



**TOWNSHIP OF WILMOT
COUNCIL MEETING AGENDA
MONDAY, AUGUST 31, 2015**

**REGULAR COUNCIL MEETING
COUNCIL CHAMBERS
7:00 P.M.**

- 1. MOTION TO CONVENE INTO CLOSED SESSION**
- 2. MOTION TO RECONVENE IN OPEN SESSION**
- 3. MOMENT OF SILENCE**
- 4. ADDITIONS TO THE AGENDA**
- 5. DISCLOSURE OF PECUNIARY INTEREST UNDER THE MUNICIPAL CONFLICT OF INTEREST ACT**
- 6. MINUTES OF PREVIOUS MEETINGS**
 - 6.1 Council Meeting Minutes July 20, 2015
Special Council Meeting Minutes August 5, 2015**

Recommendation

THAT the minutes of the following meeting be adopted as presented:

**Council Meeting July 20, 2015, and
Special Council Meeting August 5, 2015.**

7. PUBLIC MEETINGS

- 7.1 REPORT NO. DS 2015-29
Official Plan Amendment Application 01/13
Zone Change Application 08/13
Labreche Patterson & Associates Inc. / Westcap Development Inc.
296, 302 and 308 Snyder's Road East / Brubacher Street, Baden**

Recommendation

THAT Council:

- 1. adopt Official Plan Amendment No. 8 to the Township of Wilmot Official Plan to change the designation of a portion of the subject lands from Light Industrial to Urban Residential;**
- 2. approve Zone Change Application 08/13 by Labreche Patterson & Associates Inc. / Westcap Development Inc., affecting Part of Lots 13 and 14, Concession North of Snyder's**

Road to place a portion of the property abutting Brubacher Street within Zone 4a (Residential Row), subject to the following:

- a) the maximum number of dwelling units shall be 12,
- b) a minimum of 3 off-street parking spaces shall be provided per dwelling unit,
- c) the minimum side yard setback shall be 2.5m
- d) the lands be subject to the (H) symbol indicating that development cannot proceed until such time as a Record of Site Condition is acknowledged by the Ministry of the Environment;

and,

- 3. approve Zone Change Application 08/13 by Labreche Patterson & Associates Inc. / Westcap Development Inc., affecting Part of Lots 13 and 14, Concession North of Snyder's Road to place a portion of the property abutting Snyder's Road East within Zone 4a (Residential Row) and Zone 11 (Open Space), subject to the following:
 - a) the maximum number of dwelling units shall be 20,
 - b) the maximum height of a dwelling unit shall be one storey,
 - c) a "Residential Building – Semi-Detached" shall be a permitted use,
 - d) a minimum of 3 off-street parking spaces shall be provided per dwelling unit,
 - e) the minimum front yard setback shall be 5.0m,
 - f) the lands be subject to the (H) symbol indicating that development cannot proceed until such time as a Record of Site Condition is acknowledged by the Ministry of the Environment.

7.2 REPORT NO. DS 2015-30
Zone Change Application 08/15
exp Services / 1920270 Ontario Inc.
Part of Lot 15, Concession South of Snyder's Road
Foundry Street / Gingerich Road / Brewery Street Baden

Recommendation

THAT Council approve Zone Change Application 08/15 by exp Services / 1920270 Ontario Inc., affecting Part of Lot 15, Concession South of Snyder's Road, to place the lands within Zone 10a (Light Industrial) subject to the following:

- a) outdoor storage is prohibited,
- b) the following additional uses be permitted:
 - 1. a commercial establishment where services are rendered
 - 2. light fabricating, assembly and manufacturing where there is low probability of fugitive emissions
 - 3. contractor, building supplies dealer
 - 4. offices
 - 5. clinic or laboratory
 - 6. gym or dance studio
 - 7. accessory uses including:
 - i. gas bar
 - ii. convenience retail accessory to a gas bar
 - iii. one take-out restaurant accessory to a gas bar, not including a drive-thru.

8. PRESENTATIONS/DELEGATIONS

8.1 Ben Broughton, Wilmot Agricultural Society

**8.2 Kathy Mostardi and/or Dorothy Wilson, Nith Valley Eco Boosters
Blue Dot Movement**

Recommendation

WHEREAS the Township of Wilmot supports in principle, the Blue Dot Movement's recommendation relating to the rights of citizens to live in a safe and healthy environment as follows;

WHEREAS the Township of Wilmot has historically strived to maintain within its jurisdiction, a healthy environment for all citizens through its many plans, policies, programs and practices in conformity with its Strategic Plan, Official Plan and by-laws;

AND WHEREAS the Township understands that people are part of the environment, and that a healthy environment is inextricably linked to human health and the social and economic well-being of our community;

AND WHEREAS the Township within its jurisdictional mandate supports in principle the right of all people to live in a healthy environment, including:

- (a) the right to breathe clean air;**
- (b) the right to drink clean water;**
- (c) the right to consume safe food;**
- (d) the right to access nature;**
- (e) the right to know about pollutants and contaminants released into the local environment;**
and,
- (f) the right to participate in decision-making that will affect the environment.**

THEREFORE BE IT RESOLVED:

- (a) THAT the Mayor, on behalf of Township Council, be directed to forward this resolution to the Prime Minister of Canada with the request that the right of all citizens to live in a healthy environment be enshrined in appropriate federal legislation and the Canadian Charter of Rights and Freedoms;**
- (b) THAT the Mayor, on behalf of Township Council, be directed to forward this resolution to the Premier of Ontario with the request that the right of all citizens to live in a healthy environment be enshrined in appropriate provincial legislation including the Ontario Environmental Bill of Rights;**
- (c) THAT a copy of this resolution be forwarded the Kitchener-Conestoga Riding MP and MPP representatives; and,**
- (d) THAT a copy of this resolution be sent to the Federation of Canadian Municipalities and the Association of Municipalities of Ontario.**

9. REPORTS**9.1 CAO****9.1.1 REPORT NO. CAO 2015-03
Updated 2015 Municipal Work Program****Recommendation**

THAT the updated 2015 Municipal Work Program, as per the report dated August 31, 2015, prepared by the Chief Administrative Officer, be endorsed.

9.2 CLERKS**9.2.1 REPORT NO. CL2015-20
St. Agatha Drain 2015
Acknowledgement of Revised Drainage Engineer's Report****Recommendation**

1. THAT the Revised Drainage Engineer's Report dated August 6, 2015, prepared by J. Kuntze of K. Smart & Associates Inc. for the St. Agatha Drain 2015, serving the following drainage works:

- 1. improved drainage outlet for the low area in the south part of the Kraehling Farms Inc property; SE part of Lot 6, Concession NER;**
- 2. improved drainage outlet for Notre Dame Drive north of Erb's Road;**
- 3. improved drainage outlet for the low area in the southwest part of the Dietrich property in the E 1/2 Lot 4, Con NER;**
- 4. improved drainage outlet for the low area in the northwest part of the Haid property in the SE part of Lot 5, Con NER;**
- 5. improved drainage outlet for the low area on the RJS Farms Ltd. property on the south side of Erb's Road in the northeast part of Lot 5, Concession SER;**

be received and further,

2. THAT the Open House and Special Council Meeting to Consider the Report be held Tuesday, September 21st, 2015 at 6:00 p.m. at the St. Agatha Community Centre.

**9.2.2 REPORT NO. CL2015-21
Proposed 2016 Council Meeting Schedule****Recommendation**

THAT the following schedule for Regular Council Meetings be adopted:

January 11, 2016

February 8, 2016

March 7, 2016

April 4, 2016

March 21, 2016

April 18, 2016

May 2, 2016
May 16, 2016

June 6, 2016
June 20, 2016

July 18, 2016

August 22, 2016

September 12, 2016
September 26, 2016

October 3, 2016
October 24, 2016

November 7, 2016
November 21, 2016

December 5, 2016.

9.3 FINANCE

9.3.1 REPORT NO. FIN 2015-27 Ontario Community Infrastructure Fund (OCIF) Intake Two

Recommendation

THAT the Township submit an application to the Ontario Community Infrastructure Fund Intake Two for funding towards the Main Street Reconstruction Project.

9.4 PUBLIC WORKS – no reports

9.5 DEVELOPMENT SERVICES

9.5.1 REPORT NO. DS 2015-32 Approval of a Billboard Sign Rick Held 417 Waterloo Street, New Hamburg

Recommendation

THAT Staff be authorized to issue a Billboard Sign Permit subject to the following:

- 1. That, approval apply only to the existing portable sign and proposed advertising face;**
- 2. That, at such time as the existing portable sign is removed or proposed to be replaced, such replacement shall be subject to a new license and the sign shall be in the form of a permanent sign, in compliance with the Township Sign By-law and subject to a subsequent license approval by Council;**
- 3. That, prior to the issuance of a permit, the applicant shall pay a license fee of \$166.67 (representing the remaining 4 months of the annual \$500 fee);**
- 4. That, the applicant shall provide staff with a request for Council to renew the permit no later than Monday November 30, 2015 accompanied by the annual license fee of \$500.**

9.6 FACILITIES AND RECREATION SERVICES – no reports

9.7 FIRE – no reports

9.8 CASTLE KILBRIDE**9.8.1 REPORT NO. CK2015-05
Ontario Heritage Trust Award Nomination****Recommendation**

THAT Council support the nomination prepared by Nancy Silcox with respect to Marie Voisin as the recipient of the Lieutenant Governor's Heritage Award for Excellence in Conservation.

10. CORRESPONDENCE

- 10.1 Grand River Conservation Authority – 2014 Annual Report on Actions**
- 10.2 Grand River Conservation Authority – Grand Actions, July/August 2015**

Recommendation

THAT Correspondence Items 10.1 to 10.2 be received for information.

11. BY-LAWS

- 11.1 By-law No. 2015-45 – Official Plan Amendment Application 01/13, Labreche Patterson & Associates Inc. / Westcap Development Inc., 296, 302 and 308 Snyder's Road East / Brubacher Street, Baden**
- 11.2 By-law No. 2015-46 – Zone Change Application 08/13, Labreche Patterson & Associates Inc. / Westcap Development Inc., Brubacher Street, Baden**
- 11.3 By-law No. 2015-47 – Zone Change Application 08/13, Labreche Patterson & Associates Inc. / Westcap Development Inc., 296, 302 and 308 Snyder's Road East, Baden**
- 11.4 By-law No. 2015-48 – Zone Change Application 08/15, exp Services / 1920270 Ontario Inc., Part of Lot 15, Concession South of Snyder's Road, Foundry Street / Gingerich Road / Brewery Street, Baden**

Recommendation

THAT By-law Nos. 2015-45, 2015-46, 2015-47 and 2015-48 be read a first, second and third time and finally passed in Open Council.

12. NOTICE OF MOTIONS**13. QUESTIONS/NEW BUSINESS/ANNOUNCEMENTS****14. BUSINESS ARISING FROM CLOSED SESSION**

15. CONFIRMATORY BY-LAW

15.1 By-law No. 2015-49

Recommendation

THAT By-law No. 2015-49 to Confirm the Proceedings of Council at its Meeting held on August 31, 2015 be introduced, read a first, second, and third time and finally passed in Open Council.

16. ADJOURNMENT

Recommendation

THAT we do now adjourn to meet again at the call of the Mayor.



**TOWNSHIP OF WILMOT
COUNCIL MEETING MINUTES
MONDAY, JULY 20, 2015**

**TELEVISED
REGULAR COUNCIL MEETING
COUNCIL CHAMBERS
7:00 P.M.**

**Members Present: Mayor L. Armstrong, Councillors A. Junker, P. Roe, B. Fisher, J. Gerber,
M. Murray**

**Staff Present: Chief Administration Officer G. Whittington, Director of Clerk's Services
B. McLeod, Deputy Clerk D. Mittelholtz, Director of Public Works G. Charbonneau,
Director of Facilities and Recreation Services S. Nancekivell, Director of
Development Services H. O'Kafka, Fire Chief M. Raine, Director of Finance R. Tse,
Supervisor of Revenue A. Romney, Assistant Curator S. Gropp, Manager of
Accounting P. Kelly**

1. MOTION TO CONVENE INTO CLOSED SESSION

2. MOTION TO RECONVENE IN OPEN SESSION

3. MOMENT OF SILENCE

4. ADDITIONS TO THE AGENDA

**5. DISCLOSURE OF PECUNIARY INTEREST UNDER THE MUNICIPAL CONFLICT OF INTEREST
ACT**

None disclosed.

6. MINUTES OF PREVIOUS MEETINGS

6.1 Council Meeting Minutes June 22, 2015

Resolution No. 2015-145

Moved by: J. Gerber

Seconded by: A. Junker

THAT the minutes of the following meeting be adopted as presented:

Council Meeting June 22, 2015.

CARRIED, AS AMENDED.

Councillor P. Roe noted that he was not present at the June 22, 2015 meeting and that the Minutes be amended accordingly.

7. PUBLIC MEETINGS

- 7.1 REPORT NO. DS 2015-27**
Zone Change Application 11/15
Walter Veugen
Part of Lot 7, Concession 3, Block A
Part 1, Plan 58R-18457
20 Kurt Place, New Dundee

Resolution No. 2015-146

Moved by: A. Junker

Seconded by: B. Fisher

THAT report DS 2015-27 be received for information.

CARRIED.

Mayor Armstrong declared the public meeting open and stated that Council would hear all interested parties who wished to speak. He indicated that if the decision of Council is appealed to the Ontario Municipal Board, the Board has the power to dismiss an appeal if individuals do not speak at the public meeting or make written submissions before the by-law is passed.

Mayor Armstrong stated that persons attending as delegations at this meeting are required to leave their names and addresses which will become part of the public record and advised that this information may be posted on the Township's official website.

The Director of Development Services highlighted the report.

Mayor L. Armstrong asked if there were questions of a technical nature from Council. There were none.

Mayor Armstrong asked if the applicant wished to address Council. The applicant did not address Council.

Mayor L. Armstrong asked twice if anyone else wished to address Council, and in the absence of any comments, declared the public meeting to be closed.

8. PRESENTATIONS/DELEGATIONS

- 8.1 Danny Beckner**
New Hamburg Full Throttle Donation to the Wilmot Fire Department

On behalf of New Hamburg Full Throttle, Mr. Beckner advised Council of the successful event held on June 13, 2015. The event saw 115 motorcycles participate and \$5,300 raised for the Wilmot Fire Department.

Mayor L. Armstrong and the Fire Chief accepted the generous donation and thanked all the organizers, volunteers and participants for their efforts.

8.2 Nigel and Cheryl Gordijk Wilmot Terry Fox Run

Mrs. Gordijk introduced herself and Mr. Gordijk as the organizers for the Wilmot Terry Fox Run. She summarized for Council the many accomplishments Terry Fox was able to achieve in a short time. She highlighted Terry's Marathon of Hope and the enduring legacy of the Terry Fox Foundation.

Mr. Gordijk advised Council of Wilmot's history with the run which began in 1996. He stated that the New Hamburg Terry Fox Run has been held annually since 2005 and has changed its name this year to the Wilmot Terry Fox Run to better illustrate the Township wide participation. He confirmed the date for the 2015 Run as Sunday, September 20 which coincides with Terry Fox Day, the second Sunday after Labour Day. Mr. Gordijk concluded their presentation by noting that registrations and donations can be completed online and thanking local volunteers, businesses and the community at large for their support.

Councillor J. Gerber thanked Mr. and Mrs Gordijk for their hard work on this event and expressed his personal support of the event name change.

8.3 Don Wagner Moparfest Event Update

Mr. Wagner provided Council with a history of the Moparfest Event dating back to 1979 when it began with the Old Chrysler Club. He expressed their intention to keep it as an annual event where community organizations and youth foundations benefit from the funds raised. The six founding organizations for the event remain involved and are always in need of new members to keep the organizations going. Moparfest needs approximately 400 volunteers for the weekend event. He advised Council of the new attractions being brought to Moparfest for 2015 which include a Chrysler sponsored Canadian Race Team from the 1960's and vehicles from the classic TV series The Beverley Hillbillies. Mr. Wagner concluded his presentation by requesting that Council consider alternatives to the gravel track in the Fairgrounds which would be more friendly to automobiles.

Mayor L. Armstrong thanked Mr. Wagner for his presentation and noted the difficulty community organizations have in attracting new members. He advised that staff is trying to work with the organizations to find ways at addressing this need.

8.4 Al Strong Baden Corn Fest Update

Mr. Strong introduced himself and the Baden Corn Fest mascot, Cornelius T. Cobb. He extended an invitation to all in attendance and to the viewers to come to the 2015 Baden Corn Fest taking place on August 8. The festival is a celebration of agricultural heritage and has something for everyone to do. He highlighted the various events occurring during the day and noted the new partnership with Foodland Ontario which augments the existing support generously given by many community organizations.

Mayor L. Armstrong added that the Baden Corn Fest can largely be credited to the efforts of the Baden Community Association.

Councillor B. Fisher thanked Mr. Strong for his presentation and advised Council that Mr. Strong will be acting as the MC for the event. He also thanked all of the organizations for their efforts.

Mr. Strong summarized the event as a way for all members of the community to come together.

8.5 Stephanie Sobek-Swant, Executive Director rare Charitable Research Reserve

Ms. Sobek-Swant introduced herself and the rare Charitable Research Reserve as a resource in the Region for conservation, research and education of natural areas. Rare is a 900 acre land trust in the Township of North Dumfries that hosts approximately 50,000 visitors per year on the 8 kilometers of trails that showcase the vibrant ecosystem. She provided to Council an overview of their strategic plan and their efforts for conservation, research and education. She highlighted for Council the Every Child Outdoors program which provides training to the next generation about the ecosystem and what they can do now to help the environment and as adults working in this field.

Mayor L. Armstrong thanked Ms. Sobek-Swant for her presentation and expressed his support for programs that have children outdoors and being active in their environment.

8.6 Prema Anjaria Castle Kilbride Advisory Committee Update

Mrs. Anjaria thanked Council for having her provide an update on behalf of the Castle Kilbride Advisory Committee. She advised Council as to the success of the Maids Tea and Tour this year which involved 153 guests and the first of two Princess Tea and Tours for the summer which has quickly become a favourite event for the young guests. She noted to Council two exhibits currently in the Castle; the Lotions and Potions Exhibit and the Keep the Date Exhibit. She concluded the update by confirming the performers for this year's Summer Concert Series which takes place on the Castle front lawn every Thursday during the summer at 7:00 pm.

9. REPORTS

9.1 CAO – no reports

9.2 CLERKS

9.2.1 REPORT NO. CL2015-18 Noise By-law Exemption Request Adrienne Gingerich 3385 Bleams Road, New Hamburg

Resolution No. 2015-147

Moved by: M. Murray

Seconded by: P. Roe

THAT an exemption to the Noise By-law as requested by Adrienne Gingerich at 3385 Bleams Road in New Hamburg for the purpose of her wedding commencing Saturday, August 22, 2015 at approximately 5:00 p.m. to 12:00 midnight, be granted.

CARRIED.

The Deputy Clerk highlighted the report.

**9.2.2 REPORT NO. CL2015-19
By-law Enforcement
Quarterly Activity Report
April to June 2015**

Resolution No. 2015-148

Moved by: A. Junker

Seconded by: M. Murray

THAT the Enforcement Activity Report for April 1, 2015 to June 30, 2015 be received for information purposes.

CARRIED.

9.3 FINANCE

**9.3.1 REPORT NO. FIN 2015-23
Statement of Operations as of June 30, 2015 (un-audited)**

Resolution No. 2015-149

Moved by: M. Murray

Seconded by: A. Junker

THAT the Statement of Operations as of June 30, 2015, as prepared by the Manager of Accounting, be received for information purposes.

CARRIED.

The Manager of Accounting highlighted the report.

In response to Councillor B. Fisher, the Manager of Accounting clarified that the amount indicated for insurance does include the annual insurance premium, that the amount shown for the election represents an annual payment to Datafix and that the payments received for the ambulance bay ended in April.

**9.3.2 REPORT NO. FIN 2015-24
Capital Program Review as of June 30, 2015 (un-audited)**

Resolution No. 2015-150

Moved by: P. Roe

Seconded by: B. Fisher

THAT the Capital Program Review as of June 30, 2015, as prepared by the Manager of Accounting, be received for information purposes.

CARRIED.

The Manager of Accounting highlighted the report.

Councillor B. Fisher commented that he was pleased to see the work for the multi-use lanes starting. He also inquired as to the type of vehicle the Fire Department purchased. The Fire Chief confirmed the new vehicle is a four door Nissan pick-up truck.

Councillor A. Junker expressed to staff his appreciation for these detailed financial reports as an indication of the Township's dedication towards transparency and sound business practices.

The CAO clarified for Councillor J. Gerber that the Grandstand Mural project had two potential options for funding. He noted that Heritage Wilmot will be providing Council with a suggested plan for how to proceed with this project.

**9.3.3 REPORT NO. FIN 2015-25
Amended Water and Wastewater By-law**

Resolution No. 2015-151

Moved by: A. Junker

Seconded by: M. Murray

THAT By-law 2015-10 be amended to include Mannheim and Shingletown residents.

CARRIED.

The Supervisor of Revenue highlighted the report.

The Supervisor of Revenue advised Councillor B. Fisher that the four exempted properties noted in the by-law are within the boundary of the Kitchener Water and Waste Water System.

In response to Councillor M. Murray's inquiry as to the effect on the water bills for noted residents, the Supervisor of Revenue summarized the differences in the variable rate structure for Wilmot versus the fixed rate structure for Kitchener by stating that water bills for Mannheim residents could result in an average increase of approximately \$7.00 per water bill.

**9.3.4 REPORT NO. FIN 2015-26
Wilmot Township Water & Wastewater Financial Plan**

Resolution No. 2015-152

Moved by: J. Gerber

Seconded by: B. Fisher

THAT report FIN 2015-26 regarding the Wilmot Township Water and Wastewater Financial Plan, prepared by the Supervisor of Revenue, be approved.

CARRIED.

The Supervisor of Revenue highlighted the report.

9.4 PUBLIC WORKS**9.4.1 REPORT NO. PW-2015-16
Public Works Activity Report
April - June****Resolution No. 2015-153****Moved by: P. Roe****Seconded by: M. Murray**

THAT the Public Works Department Activity Reports for the months of April, May and June 2015 be received for information.

CARRIED.

The Director of Public Works clarified for Councillor B. Fisher that the contractor hired with regards to blocked culverts involved the use of an excavator which is not part of the Township fleet of equipment.

9.5 DEVELOPMENT SERVICES**9.5.1 REPORT NO. DS 2015-26
Quarterly Building Statistics Summary****Resolution No. 2015-154****Moved by: M. Murray****Seconded by: J. Gerber**

THAT the 2nd Quarter 2015 Building Statistics Summary be received for information.

CARRIED.

The Director of Development Services noted for Council the addition of statistics to the quarterly report pertaining to the septic inspection program.

9.6 FACILITIES AND RECREATION SERVICES**9.6.1 REPORT NO. PRD 2015-04
Facilities & Recreation Services Quarterly Activity Reports****Resolution No. 2015-155****Moved by: J. Gerber****Seconded by: B. Fisher**

THAT the Facilities & Recreation Services Activity Reports for the second quarter of 2015 be received for information.

CARRIED.

Councillor B. Fisher gave recognition to the staff at the Wilmot Recreation Complex for assisting medical personnel when visitors to the Complex were in need of medical attention.

**9.6.2 REPORT NO. PRD 2015-05
RFP 2015-25 Engineered Design, Supply & Installation of a
Back-up Power Supply for the Wilmot Recreation Complex**

Resolution No. 2015-156

Moved by: B. Fisher

Seconded by: A. Junker

THAT Wagler Electric be awarded the contract to design, supply and install a permanent back-up power supply for the Wilmot Recreation Complex, as per their proposal dated June 26, 2015 for the upset fee of \$275,505.02, net of the HST rebate.

CARRIED.

The Director of Facilities and Recreation Services highlighted the report.

Councillor A. Junker expressed his appreciation at this project moving forward.

9.7 FIRE

**9.7.1 REPORT NO. FD 2015-08
Quarterly Activity Report**

Resolution No. 2015-157

Moved by: P. Roe

Seconded by: B. Fisher

THAT the Fire Department Activity Report for the second quarter of 2015 be received for information purposes.

CARRIED.

**9.7.2 REPORT NO. FD 2015-07
Community Alerting Network (CAN) System**

Resolution No. 2015-158

Moved by: A. Junker

Seconded by: B. Fisher

THAT the Township of Wilmot enter into a working partnership with the Township of Woolwich for use and maintenance of a Community Alerting Network (CAN) System using Aizan Technologies.

CARRIED.

The Fire Chief advised Council that he will be working with the Township of Woolwich on a media release for this joint venture.

9.8 CASTLE KILBRIDE**9.8.1 REPORT NO. CK2015-04
Quarterly Activity Report – April, May & June 2015****Resolution No. 2015-159****Moved by: P. Roe****Seconded by: A. Junker**

THAT the Castle Kilbride Activity Report for the months of April, May & June be accepted for information purposes.

CARRIED.

The Assistant Curator highlighted the report.

Mayor L. Armstrong congratulated Castle staff for the excellent work they have been doing, including the successful Summer Concert Series and sold out events.

10. CORRESPONDENCE

- 10.1 Grand River Conservation Authority – GRCA Current, July 2015**
- 10.2 Grand River Conservation Authority – General Membership Meeting Minutes, May 22, 2015**
- 10.3 Heritage Wilmot Advisory Committee – Meeting Minutes, April 1 and May 6, 2015**
- 10.4 Castle Kilbride Advisory Committee – Meeting Minutes, April 15 and May 13, 2015**

Resolution No. 2015-160**Moved by: B. Fisher****Seconded by: A. Junker**

THAT Correspondence Items 10.1 to 10.4 be received for information.

CARRIED.**11. BY-LAWS**

- 11.1 By-law No. 2015-41 – Amendment to the Water and Wastewater Rates**

Resolution No. 2015-161**Moved by: M. Murray****Seconded by: B. Fisher**

THAT By-law No. 2015-41 be read a first, second and third time and finally passed in Open Council.

CARRIED.

12. NOTICE OF MOTIONS

13. QUESTIONS/NEW BUSINESS/ANNOUNCEMENTS

13.1 2015 Annual Association of Municipalities of Ontario Conference

Resolution No. 2015-162

Moved by: A. Junker

Seconded by: B. Fisher

THAT Mayor Les Armstrong attend the AMO Conference in Niagara Falls from August 16th to 19th, 2015.

CARRIED.

14. BUSINESS ARISING FROM CLOSED SESSION

15. CONFIRMATORY BY-LAW

15.1 By-law No. 2015-42

Resolution No. 2015-163

Moved by: M. Murray

Seconded by: P. Roe

THAT By-law No. 2015-42 to Confirm the Proceedings of Council at its Meeting held on July 20, 2015 be introduced, read a first, second, and third time and finally passed in Open Council.

CARRIED.

16. ADJOURNMENT (8:34 P.M.)

Resolution No. 2015-164

Moved by: B. Fisher

Seconded by: M. Murray

THAT we do now adjourn to meet again at the call of the Mayor.

CARRIED.

Mayor

Clerk



**TOWNSHIP OF WILMOT
SPECIAL COUNCIL MEETING MINUTES
WEDNESDAY, AUGUST 5, 2015**

**SPECIAL COUNCIL MEETING
COUNCIL CHAMBERS
6:15 P.M.**

Members Present: Mayor L. Armstrong, Councillors P. Roe, B. Fisher, J. Gerber,
M. Murray

Regrets: Councillor A. Junker

Staff Present: Chief Administration Officer G. Whittington, Director of Clerk's Services
B. McLeod, Director of Facilities and Recreation Services S. Nancekivell, Director
of Finance, R. Tse, Planner/EDO A. Martin

1. MOTION TO CONVENE INTO CLOSED SESSION

2. MOTION TO RECONVENE IN OPEN SESSION

3. MOMENT OF SILENCE

**4. DISCLOSURE OF PECUNIARY INTEREST UNDER THE MUNICIPAL CONFLICT OF INTEREST
ACT**

None disclosed.

5. DEVELOPMENT SERVICES

- 5.1 REPORT NO. DS 2015-28
Zone Change Application 11/15
Walter Veugen
Part of Lot 7, Concession 3, Block A
Part 1, Plan 58R-18457
20 Kurt Place, New Dundee**

Resolution No. 2015-165

Moved by: B. Fisher

Seconded by: P. Roe

THAT Zone Change Application 11/15 made by Walter Veugen, affecting Part of Lot 7, Concession 3, Block A, being Part 1, Plan 58R-18457, be approved to rezone the subject lands from Zone 5 (Commercial) to Zone 2 (Residential).

CARRIED.

The Planner/EDO highlighted the report.

There were no questions or concerns of Council.

6.2 FACILITIES AND RECREATION SERVICES

6.2.1 REPORT NO. PRD 2015-06 RFP 2015-28 Consultant Services for the WRC/Schmidt Woods Multi-Purpose Trail Design

Resolution No. 2015-166

Moved by: J. Gerber

Seconded by: P. Roe

THAT Seferian Design Group be awarded the contract to complete a preferred multi-purpose trail design for the WRC/Schmidt Woods property as per their proposal dated July 15, 2015 for the upset fee of \$26,442.34, net of the HST rebate, including disbursements.

CARRIED.

Councillor J. Gerber commented that the trail project is fantastic and he looks forward to its undertaking.

6.2.2 REPORT NO. PRD 2015-07 WRC Phase 1 Flat Roof Repairs

Resolution No. 2015-167

Moved by: M. Murray

Seconded by: P. Roe

THAT Flynn Canada Ltd. be awarded the contract for the partial flat roof repair/replacement project at the Wilmot Recreation Complex, in accordance with Roofing Project Specification No. 10-07-013-001 as per their tender bid dated July 21, 2015 for the fee of \$84,995.04 net of the HST rebate, AND FURTHER,

THAT the work be funded from the facilities reserve.

CARRIED.

The Director of Facilities & Recreation Services highlighted the report.

7. BY-LAWS

- 7.1 By-law No. 2015-43 – Zone Change Application 11/15, Walter Veugen, Part of Lot 7, Concession 3, Block A, Part 1, Plan 58R-18457, 20 Kurt Place, New Dundee**

Resolution No. 2015-168

Moved by: J. Gerber

Seconded by: M. Murray

THAT By-law No. 2015-43 be read a first, second and third time and finally passed in Open Council.

CARRIED.

8. CONFIRMATORY BY-LAW

- 8.1 By-law No. 2015-44**

Resolution No. 2015-169

Moved by: M. Murray

Seconded by: P. Roe

THAT By-law No. 2015-44 to Confirm the Proceedings of Council at its Meeting held on August 5, 2015 be introduced, read a first, second, and third time and finally passed in Open Council.

CARRIED.

9. ADJOURNMENT

Resolution No. 2015-170

Moved by: M. Murray

Seconded by: P. Roe

THAT we do now adjourn to meet again at the call of the Mayor.

CARRIED.



Township of Wilmot **REPORT**

REPORT NO. DS 2015-29

TO: Council

PREPARED BY: Andrew Martin, Planner/EDO

DATE: August 31, 2015

SUBJECT: Official Plan Amendment Application 01/13
Zone Change Application 08/13
Part of Lots 13 and 14, Concession North of Snyder's Road
Labreche Patterson & Associates Inc. / Westcap Development Inc.
296, 302 and 308 Snyder's Road East / Brubacher Street, Baden

Recommendation:

That Council:

1. adopt Official Plan Amendment No. 8 to the Township of Wilmot Official Plan to change the designation of a portion of the subject lands from Light Industrial to Urban Residential;
2. approve Zone Change Application 08/13 by Labreche Patterson & Associates Inc. / Westcap Development Inc., affecting Part of Lots 13 and 14, Concession North of Snyder's Road to place a portion of the property abutting Brubacher Street within Zone 4a (Residential Row), subject to the following:
 - a) the maximum number of dwelling units shall be 12,
 - b) a minimum of 3 off-street parking spaces shall be provided per dwelling unit,
 - c) the minimum side yard setback shall be 2.5m
 - d) the lands be subject to the (H) symbol indicating that development cannot proceed until such time as a Record of Site Condition is acknowledged by the Ministry of the Environment;

and,

3. approve Zone Change Application 08/13 by Labreche Patterson & Associates Inc. / Westcap Development Inc., affecting Part of Lots 13 and 14, Concession North of Snyder's Road to place a portion of the property abutting Snyder's Road East within Zone 4a (Residential Row) and Zone 11 (Open Space), subject to the following:
 - a) the maximum number of dwelling units shall be 20,
 - b) the maximum height of a dwelling unit shall be one storey,
 - c) a "Residential Building – Semi-Detached" shall be a permitted use,
 - d) a minimum of 3 off-street parking spaces shall be provided per dwelling unit,
 - e) the minimum front yard setback shall be 5.0m,

- f) **the lands be subject to the (H) symbol indicating that development cannot proceed until such time as a Record of Site Condition is acknowledged by the Ministry of the Environment.**

Background:

Public meetings were previously held on June 2, 2013 and February 10, 2014. Notice of a third Public Meeting was given to property owners within 120 metres of the subject lands on July 7, 2015. The following is a summary of all comments received to date.

Public: No comments were received through circulation of the July 7, 2015 circulation. The following is a summary of prior comments which are attached to this report in full).

Richard and Karen Owen, 312 Snyder's Rd E.

February 10, 2014: questioning why the applicant is being allowed to raise the elevation of the property; identifying information included in the noise study with respect to the auto body operations; concerned with potential noise complaints as a result of two-storey homes; concerned with privacy, security, decreased property values, and increased traffic; inquiring how the retaining wall will be constructed without disrupting their business; questioning the future plans for the surplus undeveloped property.

June 2, 2013: requesting additional information on the retaining wall including its proximity to the property line and how the materials proposed to be used to construct the wall and fence; concerned about drainage issues as a result of the raised elevation of the property; concerned about snow accumulation between the proposed wall and the shop on their property as well as the noise and emissions being trapped on their property as a result of the proximity of the wall to their shop; requesting noise warning clauses relative to their operation, requirements for ongoing maintenance of the wall, and buffering between the proposed parking lot and their property.

Marilyn and Dave Fewster, 288 Snyder's Rd E.

February 10, 2014: requesting additional time to review submitted materials; concerns with impact on property values, privacy and security; inquiring how the retaining wall is planned to be constructed given its proximity to the property line; requesting details on retaining wall construction and privacy fencing; questioning form of ownership of the units; concerned with traffic and noise; raising inconsistencies with drawings.

June 2, 2013: concerns regarding trespassing onto their property, privacy, safety, and potential grading and runoff issues.

Student Transportation Services of Waterloo Region

February 10, 2014: concerned about the impact of construction on sidewalks and the use of a school bus stop adjacent to the development.

Jason Scozzafava, 9 Erbach Cres.

June 2, 2013: questioning the appropriateness of changing the designation to residential suggesting light industrial uses would be more appropriate; inquiring about the plans for lands proposed to be conveyed to the Township and the costs associated with its ownership; suggesting that there may be better ways to develop the property

Agencies:

GRCA: no objections to approval of OPA and ZC, but providing requirements to be addressed through site plan approval

Region of Waterloo: no objections to approval, subject to MOE acknowledgement of an RSC for the property

WRDSB: no concerns

CN: requesting the registration of an "environmental easement" with respect to existing and future potential for rail noise

Discussion:

These applications were previously considered at Public Meeting on June 3, 2013 and February 10, 2014.

The subject lands are currently designated in part Light Industrial and in part Urban Residential, Baden Urban Area by the Township Official Plan and are zoned in part Zone 8 (Commercial), in part Zone 2b (Residential), and in part Zone 1 (Agricultural).

The subject property consists of what was previously four separate properties, but has since been consolidated into one parcel.

The proposed Official Plan Amendment relates to lands fronting Snyder's Road East formerly used for the Herner Wood Products business. The designation of the lands is proposed to be changed from Light Industrial to Urban Residential. The proposed Zone Change Application applies to two areas identified on the attached location plan.

The development concept for the lands fronting Brubacher Street has been modified slightly from the concept presented on June 3, 2013 and February 10, 2014. The lands are proposed to be rezoned to Zone 4a (Residential) with site specific regulations to permit a 12 unit street fronting townhouse development as illustrated on the attached "Tributes of Baden" site plan. Development of this portion of the subject property would involve extension of municipal water and sanitary sewer services to the property as well as pedestrian connection from the proposed units along Brubacher Street to Snyder's Road East. The concept has been modified by shifting the proposed town home blocks further from Brubacher Street to accommodate additional off-street parking spaces.

The development concept for the lands fronting Snyder's Road East has been further modified from the concepts presented on June 3, 2013 and February 10, 2014. The lands are still proposed to be rezoned to Zone 4a (Residential) with site specific regulations, however the concept has been modified from the earlier proposals for 32 and 34 two storey townhome units. This application would permit 20 single storey units in the form of both townhomes and semi-detached dwellings as illustrated on the attached "Herne Woods" site plan. Consistent with prior concepts, the elevation of the property would be increased to accommodate site servicing resulting in a retaining wall along both sides of the property having a maximum height of approximately 2.4m along the east property line and 1.9m along the west property line. A wooden privacy fence is used along the east property line with a combination of a wood fence and acoustic barrier along the west property line.

Since the last public meeting, the applicants have prepared a revised noise study that has been reviewed and accepted by the Region of Waterloo. All units within the development are now one storey and the development of the site would include mitigation measures with the dwelling units (glazing, air conditioning etc.) as well as an acoustic barrier along a portion of the west property line. These measures were largely to ensure compatibility with the existing neighbouring auto

body shop (for the Snyder's Road fronting portion of the development) and the CN railway (for the Burbacher Street fronting portion of the development).

Additional modifications to the lot grading and storm water management design of the property was completed to address comments from the Grand River Conservation Authority which includes replacement of a previously proposed storm water management pond with underground retention resulting in the removal of a retaining wall previously proposed at the rear of the property.

Future use of the lands surplus to the development having been questioned through the process. The applicant has considered dedicating the lands to the Township as the parkland requirement of the future condominium application. Staff have walked through the property and can support that there is potential for trail development on the property, but have identified an existing encumbrance with a small dam. Staff have had a number of discussions with the applicant, the Grand River Conservation Authority and the Ministry of Natural Resources on how to deal with the dam and potential liability associated with its existing conditions. The applicants are presently reviewing options for repair or removal of the structure. Prior to confirming requirements for parkland dedication staff will return to Council with a detailed report outlining costs and benefits of options related to acceptance of land or cash-in-lieu. In either scenario, the lands between the Brubacher Street and Snyder's Road portions of the development have no development potential and as such are proposed to be placed within an Open Space zone as part of this application.

Next Steps

Should Council approve the application and any right to appeal the decision expire, the development would proceed to the site plan approval stage. Staff would work with the applicant to ensure that matters discussed through the zoning process as well as other applicable Township standards form part of the approved site plan. A site plan agreement would be registered on title to implement the requirements of the site plan.

At such time as the MOE acknowledges the submitted Record of Site Condition, staff would return to Council with a report proposing to lift the holding zone. Given a decision would have already been made on the application; this process does not involve a right to appeal.

Upon final approval of the site plan, payment of site plan securities and any applicable deposits, and lifting of the holding zone, the applicants would proceed to apply for building permits. During or after completion of construction, the applicants would file a draft plan of condominium application to finalize the individual ownership of units within the development.

Strategic Plan Conformity:


The approval of appropriate infilling developments and intensification maximizes the use of existing infrastructure and reduces the demand for additional greenfield lands to absorb all residential development which are both strategies in achieving the Township's goal to protect the natural environment.

Financial Considerations:

The application fees, established by the Township of Wilmot Fees and Charges By-law, were collected at the time of application.

Conclusion:

The Township Official Plan promotes a mix of housing types and densities within the Urban Residential Designation and provides that the zoning by-law be used to identify areas to support a range of housing forms. The integration of townhomes and other multiples within existing and established neighbourhoods represents compatible land use. Recognizing that both areas of development are located within primarily residential neighbourhoods, the inclusion of noise mitigation provisions, such as an acoustical wall and noise warning clauses serves to allow the development to proceed while minimizing disturbance to abutting nonresidential uses and the CN railway.

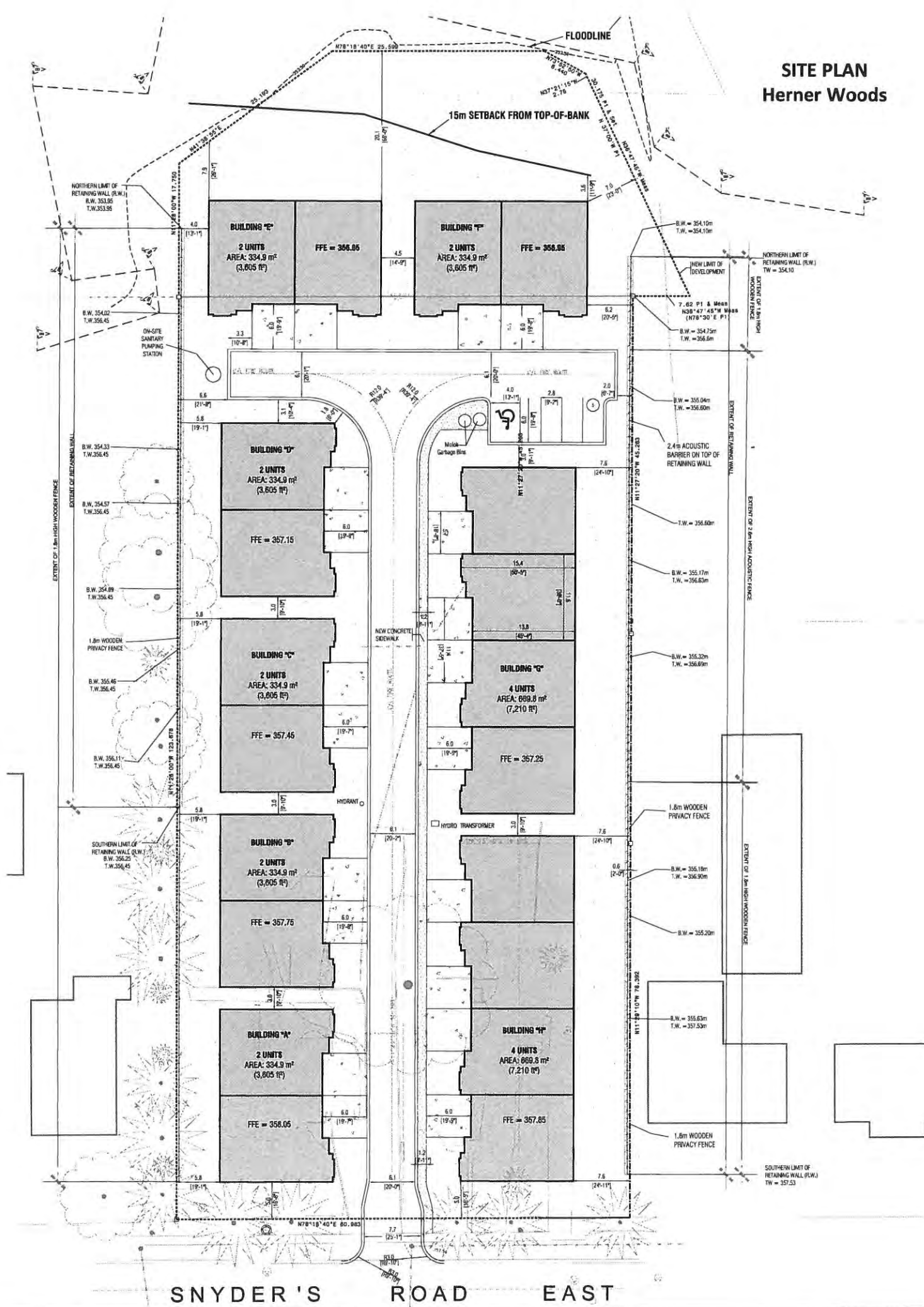


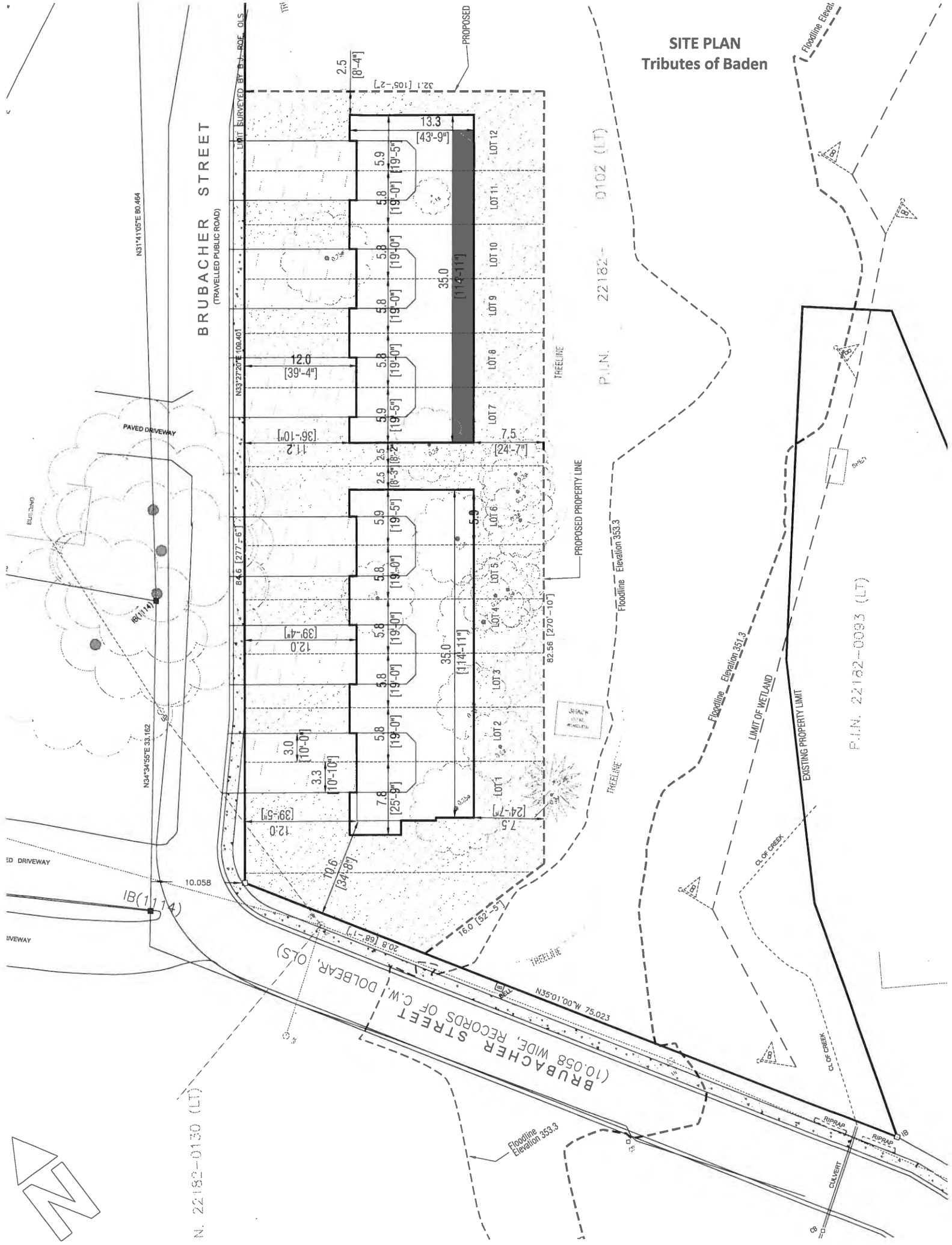
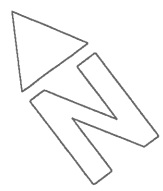
Andrew Martin, MCIP RPP
Planner/EDO

Reviewed by CAO



SITE PLAN Herner Woods





SITE PLAN
Tributes of Baden

P.I.N. 22182-0093 (LT)

N. 22182-0130 (LT)

BRUBACHER STREET
(TRAVELLED PUBLIC ROAD)

BRUBACHER STREET
(10.058 WIDE, RECORDS OF C.W. DOLBEAR, OLS)

P.I.N. 22182-0102 (LT)

Floodline
Elevation 353.3

Floodline
Elevation 357.3

Floodline
Elevation 363.3

EXISTING PROPERTY LIMIT

LIMIT OF WETLAND

CL OF CREEK

CL OF CREEK

CULVERT

RIPRAP

RIPRAP

PROPOSED PROPERTY LINE

TREELINE

PROPOSED

N31°41'05"E 80.464

N34°34'55"E 33.162

IB(1114)

PAVED DRIVEWAY

LIMIT SURVEYED BY B.J. ROE, OLS

N33°27'20"E 108.401

B4.6 [277'-6"]

10.058

IB(1114)

DRIVEWAY

INVEYWAY

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To: The Corporation of the Township of Wilmot
Development Services Department
Attn: Andrew Martin

Feb 3, 2014

**RE: Official Plan and Amendment Application 01/13
Zone Change Application 08/13
Labreche Patterson & Associates Inc./Westcap Development Inc.
296, 302 and 308 Snyder's Road East, Baden**

As stated in the original application, our property is directly adjacent to the proposed development. Since the last meeting on June 3, 2013, we feel there has been little change or action regarding our indicated points. No direct information has been provided to address our original concerns. Notification was provided in mid-January (correspondence dated January 10, 2014) of the proposed revisions. WestCap Development Inc. had over 6 months to prepare revisions and amendments with the advantage of employing subject matter experts. Lay people and loyal Baden residents were given only 3 weeks to review development plans to vet out any points that may have (or not) been addressed in a series of drawings and plans which were in excess of 100 pages. With this in mind, the meeting on Feb 10th, 2014 should encompass an update and information session and NO decision reached to allow residents adequate time to review and respond.

Our original concerns from May/June 2013 remain:

"In the proposed plan as provided by the Township, there is no barrier to restrict access to our property from the new development [now retaining wall and board on board fencing], which has a high potential to affect the enjoyment of our property. Specifically, our concerns are regarding the potential effects of increasing the population density by replacing a single business with 14 individual units. Without an appropriate barrier, there is now a fourteen-fold increase in potential for direct access to our property. Additionally, we have concerns over several other potential mechanical impacts of the development including grading and runoff, privacy, and safety to our property. All of these items have the potential to negatively impact the usage, enjoyment, and value of our property if not properly addressed prior to the approval of the zoning change and construction of the development."

In addition to and expanding on some original concerns, with all points specifically relating to the property at 288 Snyder's Road East:

- Effect on our property value (we will be a property with over 14 units directly adjacent to our property)
- Effective of our enjoyment of our property, privacy and security will diminish with 14 adjacent properties (are these 2-story or single story dwellings?). Are there other single residential properties in Baden adjacent to 14 neighbouring families?
- An existing swimming pool is not indicated on the drawings. Our enjoyment will be compromised by the additional activities on the adjacent properties. Noise levels will increase. During the

proposed construction, measures must be taken to ensure our pool and property remain usable and protected? Contamination from construction (dirt and debris) may be a constant threat increasing maintenance costs and affecting personal enjoyment.

- What are the access requirements for the construction of the proposed retaining wall? It appears to be extremely close to the property line.
- The Environmental Impact Study reference page 10, Section 4.1.2 Vegetation Loss states “the neighbouring homeowner has authorized removal of the hedgerow trees immediately west of the development site”. This is accurate for the trees removed, however, the provision was the stumps would be ground down or removed and they would be replaced with our acceptance of an alternative (trees, visual block). Trees are referenced in the development drawings but there are no details and are non-specific.
- What is the composition and visual proposal of the retaining wall? This must be aesthetically pleasing since it will span two thirds of the east property line. What is the maintenance plan for the board on board fencing to eliminate 14 different fence elements in the future?? This type of fence has the tendency to severely degrade both visually and structurally (warping, splitting, weathering).
- Block A does not indicate any form of fencing. The retaining wall begins at Block B. Please clarify.
- Blocks A and B appear to be single story dwellings on drawing 6. Please clarify.
- The effect of runoff with the addition of the retaining wall must not alter the use of the property. Will the retaining wall affect the water flow or create pooling potentially reducing usable land?

General concerns:

- Will these units be available to purchase and subsequently be rented out adding to additional turnover and inconsistent upkeep of each of the units or are there policies in place to prevent this type of ownership?
- Will Blocks C/D at the rear of the property be priced at a premium due to their location (fewer neighbours, less traffic)?
- Traffic will increase along Snyder’s Road bringing congestion and additional noise.

In the limited time available to review the posted documentation, there appears to be inconsistencies and omissions not limited to the following:

- Landscaping details (artistic license or actual plans)
- Inconsistency in fence height references on drawings (Drawing 2 vs. Drawing 8)
- Conflicting number of units
- Reference to building type for Blocks A&B

Marilyn & Dave Fewster
288 Snyder’s Rd. East
Baden, Ontario

Richard & Karen Owen

312 Snyders Road East
Baden, Ontario N3A 2V7

Township of Wilmot
60 Snyders Road West
Baden, ON N3A 1A1

30 January 2014

Attn: Planning Commission

Dear Sir,

Re: Official Plan amendment Application 01/13
Zone Change Application 08/13
Labreche Patterson & Associates Inc./ Westcap Development Inc.
296,302,308 Snyder's Road East

We have reviewed the request for an amendment to the Official Plan and an amendment to the Zoning By-law by Labreche Patterson & Associates Inc./ Westcap Development Inc., hereafter to be referred to as the applicant, for the property identified as 296,302,308 Snyder's Road East.

The applicant is now proposing to build a complex of 34 two storey units on the above identified property.

We are property owners bordering the east of the proposed development. As such we would like our concerns entered into record in respect of this application.

The applicant is proposing to build a retaining wall along the property line between our property and the new development. The engineered drawings seem to have some discrepancies as the exact height of said retaining wall. The applicant is proposing to elevate their property above the current land grade and provide drainage swales, catchbasins, and an on-site storm sewer system in accordance with the Stormwater Management Report provided by the applicant for water management on their development. This translates to open ditches full of weeds and mosquitoes. We ask council why it is even being considered that the applicant be allowed to raise elevation of the neighbouring land?

The construction of a retaining wall along the entire length of our property will surely reduce the value of our property significantly.

We note that the applicant has now entered a revised "Environmental Noise Impact Study" signed by Frank Westway of MOE Qualified and Certified Acoustical Consultant. We are deeply concerned with the fact that this study is full of misinformation. We caution counsel that the

misinformation contained in the revised "Environmental Noise Impact Study" about hours of business operation and location of noise levels might be of concern to counsel in the future. The applicant's study claims a discussion took place on September 5, 2013, no discussion ever took place and no study has been done as a result of noise from our property since the study prepared on April 8, 2013. Our business hours are not as stated in the applicant's study. The equipment as mentioned in the "Environmental Noise Impact Study" is always operated at the rear of the shop and never in the front of the shop as the study claims. Also, the hours of use and frequency of use of this equipment are mis-stated, as the equipment in question is used for a number of hours at a time and sometimes for a number of consecutive days. Counsel is being mislead! We will not respond to noise complaints for the general use of our industrial tools and equipment. We have previously requested a warning clause which is closer worded to the Type C clause currently used by the railways. Clause Type C states that there may be alterations to or expansions of the facilities in the future. It also includes a statement that says the owners will not be responsible for any complaint or claims arising from the use of such facility.

We have been assured by Andrew Martin of the Planning Department that the industrial zoning on our property will not be effected by the applicant's development. We fully intend, when the time comes, to sell our property as an industrial zoned parcel of land.

The new development plan contains a board on board fence to be constructed on top of the retaining wall to act as a noise barrier. With the construction of two storey buildings along the entire side of our property we ask counsel how this is going to stop noise from entering the second storey bedrooms?

We can only assume the applicant be responsible for maintenance of the proposed retaining wall and board on board fence along the property line. The applicant has not made clear their intended plan for the units located on the development. Are the units to be maintained as a condominium complex, privately owned, or rental property?

With the construction of a multi-family complex consisting of two storey units we now have concern for privacy and security. We would like counsel to reconsider the construction of this type of housing at this location. Baden is a community consisting mostly of single family dwellings with a few multi-family homes scattered through the town.

We note that the applicant no longer includes any soft scape surrounding their proposed development. Where did the soft scape go and why is it not there? Is it because the applicant has now replaced soft scape with concrete retaining walls and board on board fencing? I ask how can that be in any way appealing?

The applicant has done research and provides pages and pages of information on how we will affect the proposed multi-family complex but, not once has the applicant mentioned how this same multi-family complex will affect the existing neighbours. Both neighbours bordering the applicant's property have resided in their homes for more than 30 years. We will have increased traffic flow, increased strain on our services, decreased property values, and increased security and privacy issues with a potential for 15 immediate neighbours bordering our property.

We would like to be informed as to when the applicant is planning to begin construction on the

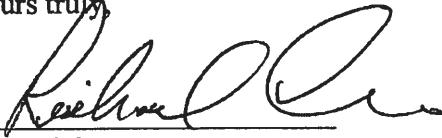
retaining wall. The location of the wall directly on the property line will disrupt our business.

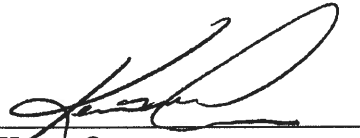
The applicant has not addressed the issue of the remaining lands that are to remain undeveloped. We can only assume the applicant still plans to convey this land to the Township of Wilmot for passive recreational purposes. I suggest to council that the reason for the applicant's "generous" donation is to evade having to pay tax on said land.

The applicant has not addressed the many concerns from the June 3rd meeting. We now wonder if any of the concerns will ever be addressed. Could counsel please provide answers to the constituents?

We ask counsel if this development, as proposed by the applicant, is really suited for the location? Could we not come up with something more suitable and beneficial to the existing community?

Yours truly,


Richard Owen


Karen Owen

enclosed:

Our letter of concerns dated May 27, 2013 (copy)

Richard & Karen Owen

312 Snyders Road East
Baden, Ontario N3A 2V7

Township of Wilmot
60 Snyders Road West
Baden, ON N3A 1A1

27 May 2013

Attn: Planning Commission

Dear Sir,

Re: Official Plan amendment Application 01/13
Zone Change Application 08/13
Labreche Patterson & Associates Inc./ Westcap Development Inc.
296,302,308 Snyder's Road East

We have reviewed the request for an amendment to the Official Plan and an amendment to the Zoning By-law by Labreche Patterson & Associates Inc./ Westcap Development Inc., hereafter to be referred to as the applicant, for the property identified as 296,302,308 Snyder's Road East.

The applicant is proposing to build a 32 unit complex on the above identified property.

As the property owners located immediately to the east of the proposed development, we would like to raise some concerns.

It is our understanding that the applicant is requesting to build a retaining wall with a maximum height of 1.3 m topped with an acoustic wall with a maximum height of 3.1 m along the property line on the west side of our property. However, they have been unclear about exactly how far away from the property line they are proposing to build the retaining wall or what materials they will be using to build the wall and the acoustic barrier. It is a concern to have the retaining wall built within a very close distance to the property line.

We note that the applicant has provided a Stormwater Management Report for the water on their development. We are concerned that the raised grade of the neighbouring property will create water drainage issues. We note that water currently drains from south to north but we would also

like to point out that water pools at the lowest point. The applicant is proposing to elevate their property a significant amount above the current land grade.

The applicant has not made it clear what they intend to do about water drainage along the lower grade of the proposed wall. We request that Council ask the applicant to address this issue.

We are requesting a study, to be paid for by the applicant, to determine possible problems with the change of the water table, water drainage, and water flow on the surrounding property prior to approval of the land grade change and construction of the proposed retaining wall.

Our property has an existing 35x100 foot building that is 18 feet high. The open space between the building and the proposed wall faces north with the house on to the south. The area between the existing building and the property line is 39-40 feet. We are concerned that if a wall and acoustic barrier of the proposed height is constructed close to the party line, this area would become a corridor during winter storm season leaving snow no place to go but to pile up in our yard.

It is our understanding that the proposed wall is to be constructed as part of a noise barrier for people purchasing or renting the homes the applicant is proposing to build. We also note that the applicant has made no effort to concern themselves about the effect their barrier will have on the noise levels on our property.

During business hours transport vehicles generally come and go from our property. In it's current condition noise of the running vehicles, such as highway tractors, is allow to flow over the open space. We are concerned that the effect of the proposed wall and the existing building will amplify noise in the area located at the back of our house.

With vehicles coming and leaving the shop behind our house we are also concerned with the emissions that will pool in the fairly enclosed space located directly behind our house. In the current state these emissions are blown around and dissipate in the atmosphere. If the applicant is allowed to construct the proposed wall along the side of our property these emissions will then be trapped behind our house.

The Noise Feasability Study suggests putting warning clauses concerning noise levels in the deeds of purchase for the new homeowners. We would like Council to make such clauses mandatory concerning the noise levels from our industrially zone property. We are requesting that a clause similar to that of Type C from the standard warning clause from CN railway be included in the purchase or rental agreement for the homes in zones D,E,F.

Clause Type C states that there may be alterations to or expansions of the facilities in the future. It also includes a statement that says the owners will not be responsible for any complaint or claims arising from the use of such facility.

We note that the applicant has not mentioned that they will be responsible for maintenance of the proposed wall. We would like Council to make them responsible for the maintenance and up



keep of the proposed wall and acoustic sound barrier and to provide a reasonable time line for any such maintenance to take place.

We also wish to address the appearance of the proposed wall, we note that the people purchasing the new homes located in the proposed development will not see very much of the retaining wall itself. However, the proposed wall will be very much visible from our property. We are requesting that Council make the recommendation that any such wall to be constructed must have aesthetic properties. To this extent we recommend that the proposed wall be constructed of either stamped concrete or arbor stone. We also request that the acoustic wall be constructed of equally aesthetic materials.

In the current plan the applicant has proposed to locate a visitor parking area on the east side of development with access off the Snyder's Road entrance. We are requesting that Council make the recommendation that the applicant build a fence of reasonable height and plant vegetation, that they maintain, between the Visitor's Parking area and our property line to soften the appearance of said parking area.

We are also concerned that the Proposed Site Plan is somewhat unclear as to exactly what is being proposed by the applicant. We would like Council to recommend that the applicant provide a clearer understanding of what they are proposing to build and that we are allowed to make comment on same before approval by council.

Yours truly,


Richard Owen
Karen Owen

Andrew Martin

From: Andrew Martin
Sent: Thursday, November 07, 2013 9:12 AM
To: tom_suliman@stswr.ca
Cc: Alastair Duncan
Subject: RE: Development on Snyder's Rd E in Baden

Tom,

This development is in the preliminary stages and has not received development approval at this time. The applicant is still reviewing development options for the site and we expect to receive a revised concept for public review in the near future. As the development has not been approved I cannot estimate if or when the site will actually develop. I will note your concerns in the file so they can be addressed at the appropriate time.

Andrew Martin, MCIP RPP
Planner/EDO
Township of Wilmot
519.634.8444x245
www.wilmot.ca
Twitter: @WilmotTownship

-----Original Message-----

From: Tom Suliman [mailto:tom_suliman@stswr.ca]
Sent: November-06-13 1:42 PM
To: Alastair Duncan
Subject: Development on Snyder's Rd E in Baden

Hello Alastair,

I was wondering if you could provide me with some information or direct me to someone I can contact regarding a development project at 296-302 Snyder's Rd E in Baden. I have a school bus stop on the corner of Snyder's Rd and Forler St (which is adjacent to this development). The parents of the students are concerned about the future construction in the area and the impact it will have on their bus stop.

Would it be possible to get a rough estimate on when construction is set to begin and on what impact the project will have to the sidewalks in the area?

Thanks,

Tom Suliman
Transportation Technician
Student Transportation Services of Waterloo Region
4275 King St. E. Unit 130
Kitchener, Ontario N2P 2E9
Phone # (519) 650-4934 ext. 228
Fax # (519) 650-2979
E-mail: tom_suliman@stswr.ca

Richard & Karen Owen

312 Snyders Road East
Baden, Ontario N3A 2V7

Township of Wilmot
60 Snyders Road West
Baden, ON N3A 1A1

27 May 2013

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Yours truly,


Richard Owen
Karen Owen

To: The Corporation of the Township of Wilmot
Development Services Department
Attn: Andrew Martin

May 27, 2013

**RE: Official Plan and Amendment Application 01/13
Zone Change Application 08/13
Lebreche Patterson & Associates Inc./WestCap Development Inc.
296, 302 and 308 Snyder's Road East Baden**

As the property owner of 288 Snyder's Rd East directly adjacent to the Herner Woods development, it is our desire that the rezoning have minimal impact on our enjoyment, safety, privacy, and no devaluing of our property.

Prior to the rezoning plan, the Herner family business and residence consisted of a single home dwelling and adjacent to our property, a single level business structure. Their business operated during set hours and was street facing, all of which restricted public traffic to our property and maintained a high degree of privacy.

In the proposed plan as provided by the Township, there is no barrier to restrict access to our property from the new development, which has a high potential to affect the enjoyment of our property. Specifically, our concerns are regarding the potential effects of increasing the population density by replacing a single business with 14 individual units. Without an appropriate barrier, there is now a fourteen-fold increase in potential for direct access to our property. Additionally, we have concerns over several other potential mechanical impacts of the development including grading and runoff, privacy, and safety to our property. All of these items have the potential to negatively impact the usage, enjoyment, and value of our property if not properly addressed prior to the approval of the zoning change and construction of the development.

We look forward to further information regarding the plans for the development including details as to how they resolve our specific concerns noted above. It is paramount that these concerns be addressed to ensure that the value and enjoyment of our property be retained and protected, as well as those residential properties on the Herner Wood development that directly abuts 288 Snyder's Rd. E.

Marilyn & Dave Fewster
288 Snyder's Rd. E
Baden, Ontario

Andrew Martin

From: L SCOZZAFAVA [scozz@rogers.com]
Sent: Tuesday, May 28, 2013 11:35 PM
To: Andrew Martin
Cc: scozz
Subject: COMMENTS: Official Plan Amendment 01/13 Zone Change Application 08/13

COMMENTS related to

Official Plan Amendment 01/13 Zone Change Application 08/13

Labreche Patterson & Associates Inc. / Westcap
Development Inc.

296, 303, and 308 Snyder's Road East /
Brubacher Street, Baden

Hello

I am a resident of Baden and live at 9 Erbach crescent near a portion of the proposed development.

I am concerned about the rezoning of the light industrial area 296, 302 & 308 Snyder's Road East mainly.

I also believe that the 35 Brubacher Street which includes the wetlands should be viewed as a separate proposal.

Some questions that come to mind are as follows:

What's the reasoning for changing light industrial to residential – seems like a development push for both so why rezone when other developments are going in as part of approved rezoning for residential in Baden?

What about surrounding light industrial (automotive and paint spray) and impacts to them related to potential change of use/processes in the future?

What other options are there which will also be in line with Township of Wilmot official plan. Here are some that I would rather see:

A family who lives in town and wants to have a small industrial business on the side? - constructing a multi unit light industrial building.

A family run light industrial business, with a nice house on the double lot.

What direction is town going? What direction do we want it to go?

I have concerns related to the wetlands (GRCA) and railway issues for "conveyed land"

"Remainder of Lands

The remaining lands at 35 Brubacher Street will remain undeveloped and are intended to be conveyed to the

Township of Wilmot for passive recreational purposes."

I don't believe I have access from Snyder's Road as I didn't notice it on the plan. Is there a path or easement proposed? What is passive recreational purposes?

What are the costs for developing and maintaining a passive recreational area?

-Can the township benefit more from these development proposals if this will proceed? After all this is a plan that maximizes the profit of the developers. They are requesting to change zones and not even be in compliance with the zone. I think they can do more.

-What does the plan look like if they built within the proposed zone change.

- Can we work with them to come up with something that is more beneficial to the township?

This is not an exhaustive list of the concerns or questions that come to light when reviewing the extensive documentation that comes along with a proposal of this nature. Personal impact of traffic patterns are foreseen for example.

In short, I believe this scenario should be thoroughly reviewed as to me, portions of the proposal do not appear to benefit the township and would not warrant an official plan amendment and zone change. Recreational development of a wetlands area can be costly and liability concerns with township recreational lands along a railroad should be considered.

Please contact me if you have any questions.

Thank you
Jason Scozzafava



Township of Wilmot **REPORT**

REPORT NO. DS 2015-30

TO: Council

PREPARED BY: Andrew Martin, Planner/EDO

DATE: August 31, 2015

SUBJECT: Zone Change Application 08/15
exp Services / 1920270 Ontario Inc.
Part of Lot 15, Concession South of Snyder's Road
Foundry Street / Gingerich Road / Brewery Street, Baden

Recommendation:

That Council approve Zone Change Application 08/15 by exp Services / 1920270 Ontario Inc., affecting Part of Lot 15, Concession South of Snyder's Road, to place the lands within Zone 10a (Light Industrial) subject to the following:

- a) outdoor storage is prohibited,
- b) the following additional uses be permitted:
 - 1. a commercial establishment where services are rendered
 - 2. light fabricating, assembly and manufacturing where there is low probability of fugitive emissions
 - 3. contractor, building supplies dealer
 - 4. offices
 - 5. clinic or laboratory
 - 6. gym or dance studio
 - 7. accessory uses including:
 - i. gas bar
 - ii. convenience retail accessory to a gas bar
 - iii. one take-out restaurant accessory to a gas bar, not including a drive-thru.

Background:

The first Public Meeting was held on May 11, 2015. Notice of a second Public Meeting was given to property owners within 120 metres of the subject lands on August 4, 2015. The following is a summary of comments received to date.

Public: (Summarized below and attached in full)

Sandy Preikschas, 1050 Brewery Street: object to application – Baden doesn't need another gas bar or convenience store; development would detract from rural setting; sound and light pollution; keep lands as residential or agricultural; traffic congestion and pedestrian safety concerns

Jenna Beck, 72 Village Green Way: not a local person applying, but rather a developer looking to make money; leave lands as undeveloped farm land; too much development resulting in loss of small town feel; there are enough gas stations and convenience stores

Trina and Jason Elrick, 223 Brewery Street: loss of small town appeal; don't need another gas bar or convenience store; impact on local stores

Don and Joanne Schwartentruber, 1036 Brewery Street: concerns about potential future development; negative impact on property value; developer out to make money and not with interests of community in mind; traffic impact on Brewery Street and Silver Springs Drive; not zone the area of the property that isn't currently proposed for development

Lindsay Zador: Don't need another convenience store or gas bar; better suited for a grocery store; lack of trails in the area

Parul Trivedi: Concerned about environmental impact; traffic concerns; questioning the need for another gas station; don't need further industrialization of Baden

John and Kim Jantzi, owner of Baden Auto Spa: gas station will impact existing core businesses; town cannot support another gas station, coffee shop, convenience store, or car wash

Kent and Sue Foster, 1037 Foundry Street: compatibility issues with light industrial and residential; noise concerns; traffic concerns; negative impacts on neighbourhood character; out of town developer without concern on community impact

Petition from Baden businesses: not opposed to light industrial, but are against retail and day-to-day commercial uses; development would encourage use of cars vs. walking to existing downtown area; negative impact on existing businesses

Clayton Knarr, 1413 Gingerich Road: concerned about drainage from development impacting his property

Rick and Nancy Pereira, 85 Village Green Way: keep zoning light industrial with no commercial to take away from downtown core; development encourages use of cars as there is no sidewalk; clinic or laboratory is not compatible with light industrial use; another gas station is not needed; office space should be light industrial office space only.

Sheila Hannon, Systems Plus, 1457 Gingerich Road: concerns with traffic at Gingerich/Foundry intersection and questioning need for another gas bar.

Agencies:

Region of Waterloo: no objections to approval of zoning; all requirements can be addressed at site plan approval stage

GRCA: no objections to approval of zoning; all requirements can be addressed at site plan approval stage

Discussion:

The subject lands are designated Light Industrial in the Township Official Plan, and are presently zoned Zone 1 (Agricultural) within the Township Zoning By-law. This application proposes to place the subject lands in a light industrial zone (Zone 10a) to implement the Official Plan Designation. The list of proposed uses has been further refined from the original submission. The application now proposes the following:

1. uses already permitted in Z10a (any repair, storage, distribution or transportation operation, with conditions, and accessory retail sales up to 25% of the floor area, but the exclusion of outdoor storage)
2. a commercial establishment where services are rendered
3. light fabricating, assembly and manufacturing where there is low probability of fugitive emissions
4. contractor, building supplies dealer
5. offices
6. clinic or laboratory
7. gym or dance studio
8. accessory uses including:
 - a) gas bar
 - b) convenience retail accessory to a gas bar
 - c) take-out restaurant accessory to a gas bar

A number of supporting documents were filed with the application including a Planning Justification Report, Archaeological Assessment, Transportation Impact Study, Preliminary Storm Water Management Report, and a Functional Servicing Report. These documents were made available online for public review. The Region of Waterloo and the Grand River Conservation Authority have completed review of these documents and have indicated they have no objections to approval of the zone change. Final approval of access and storm water management related comments will be required to be addressed through a subsequent site plan approval process.

Several comments and concerns were raised from residents and Baden business owners. These concerns can be summarized into two categories: appropriateness of proposed uses and pedestrian and vehicle access.

Appropriateness of proposed uses

The subject property has been designated Light Industrial by the current Township Official Plan since 2003 and Urban Area by its predecessor. The Light Industrial designation sets out that that permitted light industrial uses include office uses and small-scale, self-contained industrial uses that produce and/or store a product where there is low probability of fugitive emissions. The designation further sets out that commercial uses are permitted that do not include retail outlets which provide for day-to-day retail shopping needs normally found in the Core Area.

It is not the intent of the Official Plan or Zoning By-law to regulate competition between businesses, but rather to ensure that land uses are appropriate in the area proposed. The appropriateness of light industrial uses of the property was already contemplated when the property's present designation was adopted. Staff support that the uses proposed by this

application fall completely within the scope of uses anticipated by the Light Industrial designation. The construction of the proposed gas bar and accessory convenience retail and take-out restaurant could only occur on the property after primary light industrial buildings have been constructed on the property thus ensuring that these uses occur as part of a mixed use of the property and at an appropriate scale.

Pedestrian and vehicle access

The application has been revised to remove some pedestrian oriented commercial activities present in the first submission. As proposed, accessory uses to a gas bar including a take-out style restaurant and convenience retail are oriented towards customers already accessing the site with a motor vehicle. From this standpoint staff support that the primary use of the property is geared towards vehicle access and immediate pedestrian connections to the site are not critical. That said, staff certainly support that providing pedestrian connections to all properties is important and through a subsequent site plan approval process will work with the developer to look at pedestrian connections to the site and/or sidewalks along all frontages of the property.

The applicant has submitted a Transportation Impact Study that has been reviewed by the Region of Waterloo. The Region has indicated that final access approval and any required mitigation measures will be dealt with at the site plan approval stage. The Region has also indicated that traffic signals at the intersection of Foundry Street and Gingerich Road are planned as early as 2016. Township staff have requested that pedestrian signals be included as part of the intersection design in consideration of future sidewalks or boulevard trails along Foundry Street and Gingerich Road.

Next Steps

Should Council approve the application and any right to appeal the decision expire, the development would proceed to the site plan approval stage. Staff would work with the applicant to ensure that matters discussed through the zoning process as well as other applicable Township standards form part of the approved site plan including, but not limited to adequate buffering between residential and non-residential uses, and the inclusion of pedestrian connections to the property and/or sidewalks along all frontages of the property. Final comments on the site plan from the Region of Waterloo and Grand River Conservation Authority would be integrated into the approval. A site plan agreement would be registered on title to implement the requirements of the site plan prior to the issuance of a building permit.

Strategic Plan Conformity:

Holding public meetings to gain input on planning matters promotes an engaged community and facilitating development on existing serviced and designated lands protects our natural environment by using our resources responsibly.

Financial Considerations:

The application fees, established by the Township of Wilmot Fees and Charges By-law, were collected at the time of application.

Conclusion:

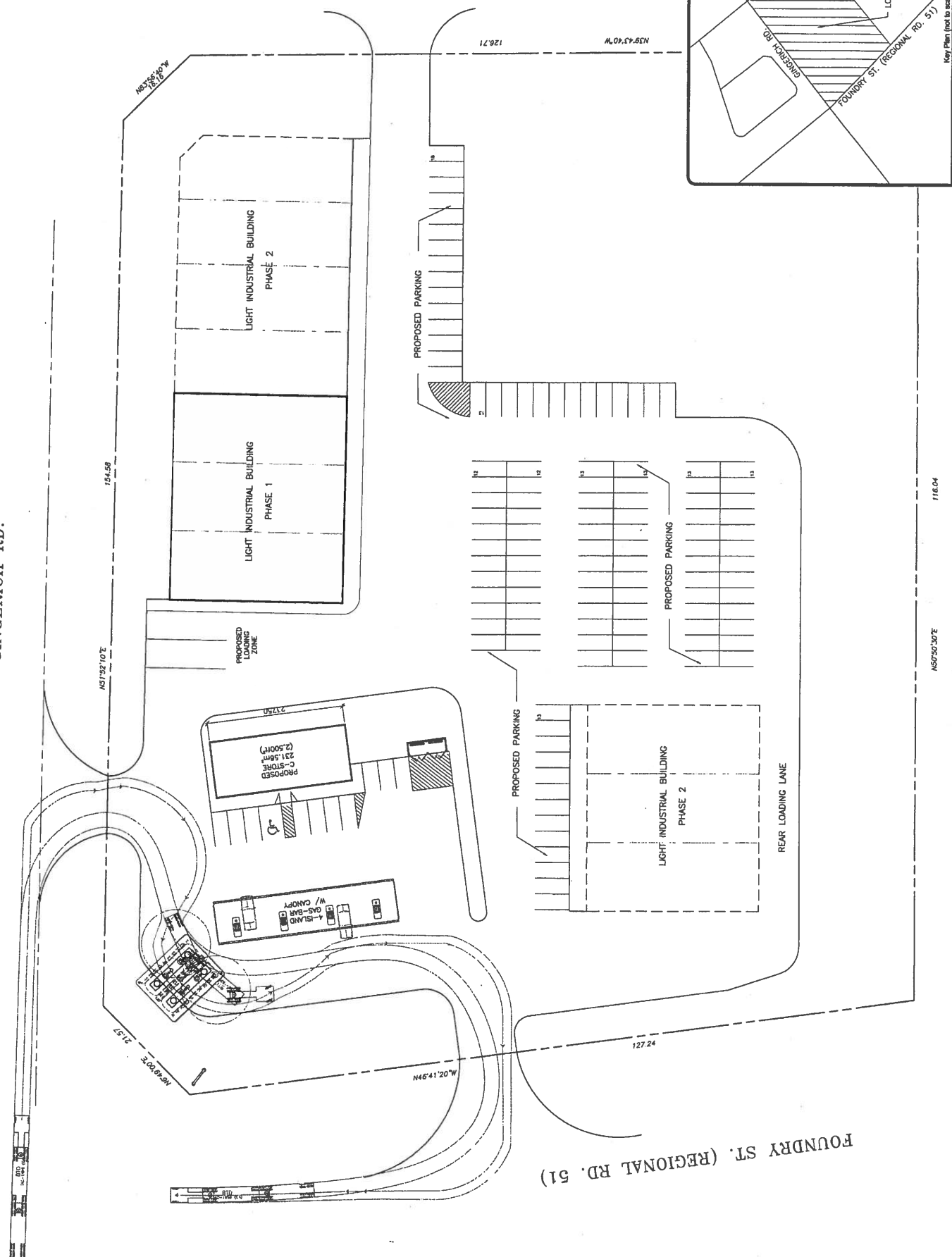
This application implements the existing Official Plan designation of the property by permitting land uses appropriate for the location of the site and in conformity with the Official Plan. The subsequent site plan approval process will ensure that the site is developed appropriately while including adequate buffering to butting properties, pedestrian facilities, and any other matters that may be required by the Region of Waterloo and Grand River Conservation Authority.



Andrew Martin, MCIP RPP
Planner/EDO

Reviewed by CAO

GINGERICH RD.



Andrew Martin

From: Sandy Preikschas <preikschas@sympatico.ca>
Sent: Sunday, May 03, 2015 7:00 PM
To: Andrew Martin
Subject: Zone Change Application 08/15

RE: exp Services / 1920270 Ontario Inc. Part of Lot 15, Concession South of Snyder's Road Foundry Street / Gingerich Road / Brewery Street, Baden

Dear Mr. Martin,

Further to your letter dated April 10, 2015, please be advised that I object to the proposed zone change application for the above lot for the following reasons and suggestions:

1. Baden does not need another gas bar as there are already has 3 local gas bars being 1. Erb's for their use 2. DH Jutzi cardlock (for personal and businesses) and 3. Mac's gas bar. There are also additional gas bars within five to ten kilometers in Petersburg, and three locations in New Hamburg.
2. Baden does not need another convenience store as there are already has 2 convenience stores to serve the community. Neighbouring New Hamburg has more not including two grocery stores for our convenience. These stores hardly need more competition. In fact the competition of Macs is already impacting on the Mars store.
3. Adding a gas bar and convenience store, not to mention the other proposed buildings, will take away from our quiet rural setting. If this is built then I foresee even more transport trucks detouring off of the highway and taking away our tranquility and adding to pollution.
4. Erb's already pollutes our small town with the sound of their trucks and the glow from their parking lot industrial lights at night. We do not need more of the same.
5. I suggest to maintain our small town atmosphere, keep industrial developments to the west side of Foundry Street and maintain the east side to be residential and agricultural.
6. There is already a lot of traffic congestion at Gingerich and Foundry. Sure a traffic light would help at that intersection, but so could a traffic circle. Something should be done with respect to this at that intersection regardless of the decision of this zoning application. Many people already avoid the intersection and detour off on Silver Springs and Brewery which in itself is a hazard for pedestrians as there are no sidewalks.
7. The following is a Facebook feed on "Baden Community Connections" that also shows a number of other resident's opinions. Some are favourable but most are not.

FROM NOTIFICATIONS

Amanda Lynn

April 18 at 9:00pm

Admin, please remove if necessary. I am re-posting a proposed development (mention in another stream) regarding a gas bar/convenience kiosk, as I am curious about other people's opinions. Myself, being a neighbouring property owner to the proposed site, am not exactly keen of industrializing our currently 'natural

backyard'. I often see many people using Gingerich Rd by means of running, biking, walking and snowmobiling. I fear that this development may remove the ability for people to continue enjoying this area of town. Please share your opinions, as I would like to know how my neighbours' feel about this situation.

<http://www.wilmot.ca/departments-development-details.php...>

Current Development Applications

Planning:Areas of Development in the TownshipPlanning FeesPlanning Application FormsA Citizens Guide to Land Use PlanningIndustrial LandsSmall Business CentreTownship Official PlanTownship Zoning By-law
wilmot.ca

[Like](#) · [Comment](#) · [Share](#)

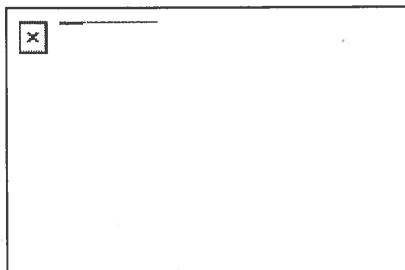
- [2 people](#) like this.
- [Gros Bisous](#) Following.

[April 18 at 9:22pm](#) · [Like](#)

- [Toni Lynne C](#) What is going in there?

[April 18 at 9:23pm](#) · [Like](#)

- [Sandy Cooper Preikschas](#) This image is from the "Conceptual Site Plan" from the planning website above. The proposal is for a gas bar, convenience store and three more light industrial buildings.



[April 18 at 9:30pm](#) · [Like](#) · [1](#)

- [Abbie Kuenzig](#) following

[April 18 at 9:30pm](#) · [Like](#)

- [Stacey Fletcher](#) Personally I love our quiet community and would prefer not to have industrial buildings encroach on our little town. We are so close to banks, grocery stores and the city amenities we don't need further big business development. The current atmosphere is what drew us to Baden and we hope that doesn't change anytime soon.

[April 18 at 9:31pm](#) · [Unlike](#) · [9](#)

- Katy Holst I feel like this will perhaps keep snowmobile traffic and other "passing through" traffic out of the heart of town if they are just stopping to get gas. It would keep things a bit safer as the parking lot at macs can get pretty congested at times, especially since all the units in the plaza are full and doing well. While I get what people are saying, you can't always resist change. 15 years ago Baden looked nothing like it did now. If all the residents at that time had resisted proposed changes then approximately 1/2 of our population wouldn't live here, my family included. I remember when we were living in New Hamburg and some Badenites were very against Tim Hortons going in. Now I'm sure none of us could imagine the town without it. I really hope this issue doesn't become a Not In My Backyard one because so many times it ends up being a non issue down the road

April 18 at 9:56pm · Like · 8

- Chris Watamanuk It's probably inevitable Baden continues to grow. for most residents it's out of the way and Macs is always packed and slow so competition would be good. I wouldn't like it if I lived over that way though.

April 18 at 9:56pm · Like

- Ann Martin I think we are fine with what we have. We already have a gas bar and two convenience stores, why do we need another? It would be nice to have a bank but other than that, keep it the way it is. We love Baden the way it is now! We don't want to ever move back to the city and we don't want the city encroaching on us!

April 18 at 10:35pm · Unlike · 4

- Nancy Proulx Being as MACS milk is a corporate company , I wish more people would lean towards buying at the MARS store, the people that own this store are so nice and go out of their way to try and keep customers happy, the owner works from opening to close to try and make a living, please people take the time to help the INDEPENDANT businesses in this town instead of the BIG guys that dont care about you in the least , if the MARS store started to get the extra business he could flourish that store with so much potential but as it is he cant even afford to hire anyone to work evenings , they have really CLEANED up that place , not like when the old owners didnt. I so wish I could give this couple everything to be a success, just something for people to ponder , as I stated in another post , HELP the small businesses feed their families , ty for reading

April 18 at 11:07pm · Unlike · 17

- Sandy Cooper Preikschas I would prefer to keep the commercial buildings nearer Snyder's Road (as our main street). I don't feel we need another gas bar in Baden. I fear this will also create more traffic on Brewery Street (extension) which is a relatively quiet 'subdivision'. Actually a traffic light at Gingerich and Foundry may be the only positive in this situation with respect to traffic flows. I was hoping the sale of this land would lead to more residential properties not commerical or industrial.

April 18 at 11:13pm · Edited · Like

- Nancy Proulx I agree we already have two gas bars we dont need another one

April 18 at 11:12pm · Like

- [Nancy Proulx](#) when is the meeting for this proposal?

[April 18 at 11:21pm](#) · [Like](#)

- [Sandy Cooper Preikschas](#) May 11th. I think I read that they want opinions expressed by May 5th? Check out the website link that Amanda provided in the post.

[April 18 at 11:22pm](#) · [Like](#)

- [Victoria Dost](#) I think it's a great idea and will create some jobs. I don't even go near the Mac's/Tim Hortons plaza on certain times of the day. It is a zoo over there and a new plaza will help with congestion. Change is inevitable and Baden is growing whether we like it or not. If the change will bring in tax revenue to Baden, then the township will most likely allow just like everything else including all the housing that has been and is currently being built in Baden. I'm also looking forward to the city bus that will start coming to Baden in January 2016. This will also be great for anyone who doesn't drive to get back and forth to the city for jobs, shopping or appointments.

[April 19 at 7:24am](#) · [Unlike](#) · [5](#)

- [Toni Lynne C](#) What did everyone do before the macs was open?

[April 19 at 7:28am](#) · [Like](#) · [3](#)

- [Nancy Proulx](#) they all use to go to MARS

[April 19 at 9:12am](#) · [Like](#) · [2](#)

- [Amanda Green](#) I think it's sad, this was such a great community when we moved here 8 years ago.... Now, it's expanding so fast, the schools aren't even big enough to handle capacity and the roads are constantly busy. It's inevitable that Baden will grow with more industry.... Another reason why we are moving

[April 19 at 12:37pm](#) · [Like](#)

- [Abbie Kuenzig](#) I think right now baden has a good mix of the quiet country life as well as a few modern conveniences. I really don't think we need another gas station, however some family friendly options would be lovely.

[April 19 at 12:46pm](#) · [Edited](#) · [Like](#) · [4](#)

- [Joanne Schwartzentruber](#) I'm completely biased, seeing as our property is adjacent to this field, but I would love to see it stay as a field. However, I understand, that more than likely this won't happen, change will come. With that said I hope everyone with questions or comments about this re-zoning takes the opportunity to bring them to council and, if possible, be there at the May 11th meeting.

[April 19 at 3:10pm](#) · [Like](#) · [6](#)

- [Melanie Purcell](#) I don't think we need it period. No biased opinion at all. Why do we need another gas station? We don't need to be over run with stuff.

April 19 at 3:20pm · Like · 1

- Nancy Proulx I think Baden needs to focus on things for people IN TOWN , stay at home mothers and such or people with no vehicle could benefit more from this town having things we need, a bank, a grocery store, things of that nature to keep the small businesses ALIVE , not another store or gas bar that will be in compitition with the ones we already have, this kills towns and this town is already starving

April 19 at 3:40pm · Unlike · 8

- Abbie Kuenzig I fully agree with nancy!

April 19 at 3:45pm · Like

- Nancy Proulx when we moved here in 1983 this town had a bank , a grocery store, a gas station, and a post office, now all we have is an over tax paidd castle that is used for township purposes that our taxes paid for then they made more profit selling all the land around it for more houses and our taxes still went up and so did our water rates , the kids still dont have a decent park to play in and we removed on public school because it was said to be too small and they built another one that ended up being just as small so then they had to build another public school, once again our taxes increased.The township has become richer and the people who had a business or tried to make a go at a business have all but left.

April 19 at 4:52pm · Edited · Like · 3

- Nancy Proulx Sandy Cooper Preikschas you should copy this and take it to the meeting

April 19 at 5:04pm · Like

- Abbie Kuenzig I agree

April 19 at 5:06pm · Like

- Jennifer Lorraine I would like to see more of a focus on using what is already here, than building more. I feel as though our township is geared more toward building up, rather than taking care of the people who are already here. We (and many others) moved here for the small town feel, close to all amenities; and now we're being shoved aside by commercial greed. Land is valuable too. It's okay for a field to be unused, and just green.

April 19 at 9:05pm · Like

- Nancy Pereira I live near this development proposal and I don't want to see it. Please fill out an application before may 5 as we can all talk about it here but we need to voice our opinion to the township with valid reasons ie traffic, taking away from current business etc. I want the small town feeling too. That is why we moved here.

April 19 at 10:12pm · Like · 3

- Sue Foster We have serious concerns about this development and the intentions of the people behind it. All too often individuals from places like Toronto buy up property in small towns to turn a quick buck, with no consideration of the existing communities they impact, including the community as a whole. We encourage fellow Badenites to come out on May 11 and have their say.

8 hrs · Like · 3

- Lindsay Zador Following.

6 hrs · Like

- Trina Michelle Ruth-Elrick I am located at the end of brewery near gingerich..and i really feel that this would not be good use of the land. To keep with the small town feel...how about a little breakfast diner?!

1 hr · Like · 1

Thank you for your time. Could you please send me the agenda for the meeting on the 11th as I may not be available.

Sincerely,

**Sandy Preikschas
519-634-8544**

Andrew Martin

From: jbx2@sympatico.ca
Sent: Sunday, May 03, 2015 10:56 PM
To: Andrew Martin
Subject: foundry & gingerich

Andrew,

I am writing to voice my opinion on the matter of the undeveloped land at the corner of Foundry & Gingerich. While I understand that Baden will continue to grow, my concerns are that:

- a) I have a feeling that this isn't a "local" person who is hoping to add to the town's character, but rather a developer looking to make a quick buck
- b) it's okay to have some undeveloped farm land, and just green land, around Baden. Most of us moved here for the country feel
- c) this town is becoming overly populated, and underused. We have a lot of space in town that should be 'developed' to promote activity and community ie. completed walking paths, a town square, ball diamonds that kids can use whenever they feel the need to get out and play, etc.
- d) our town is on the verge of becoming an extension of Kitchener, and not a cozy little town
- e) within a 10 minute drive, there are numerous gas stations, c-stores etc. More are not necessary.

Thanks,
Jenna Beck
72 Village Green Way

Andrew Martin

From: Trina Elrick <trinaelrick223@gmail.com>
Sent: Monday, May 04, 2015 8:32 PM
To: Andrew Martin
Subject: Proposed development:gingerich and foundry

To whom it may concern,

My name is Trina Elrick and I live at 223 Brewery street baden..near gingerich and foundry where this proposed gas bar development is supposed to occur. We have moved to baden 7 years ago..especially to the old side of baden..for the small town appeal. Already we now have townhouses across from us and now this development happening at the end of our street! It would be nice if this does have to develop to see a nice breakfast diner take over..something with a teddys bakery kind of feel. We do not need however another gas bar that will push business out of our existing one! We already have 2 convenience stores! This is a 'small' town!! Lets keep it feeling like one...and not let commercial businesses steal from our local store keepers! I hope that this email and the towns peoples opinions are taken into serious consideration when reviewing this matter.

Concerned neighbour

Trina and Jason Elrick

Andrew Martin

From: Joanne Schwartzentruber <jdschwartzentruber@hotmail.com>
Sent: Monday, May 04, 2015 9:06 PM
To: Andrew Martin
Subject: Comments re: Zone Change Application Foundry/Gingerich/Brewery

Mr. Martin,

We have been residents of 1036 Brewery Street for the past 17 years and chose our property because we are close to town and yet still have farm fields to look over. We are writing to voice our concerns and questions regarding the zone change application for Part of Lot 15, Concession South of Snyder's Road.

After reviewing the proposed site plan, we have concerns as to what could be developed in the future adjacent to our property and the negative impact it could have on our property value. We understand that the developer has invested money into this property, but with that said we also have invested money into our property and plan on staying here and raising our children. We are concerned regarding the intention of the developer, where he may not have this communities best interests in mind, instead he focus may be making the most of his investment. After looking over the development application we are aware of the noise study, traffic study, etc., but find it concerning that no study is needed to determine the impact on the lives of the neighbours and community.

At this point Brewery St. Extension remains a relatively quiet street. We realize a traffic study was performed, but did it take into account increased traffic flow to Foundry via Brewery/Silver Springs and vice versa?

After speaking with you, we understand that once the property is rezoned there is no recourse by us as to changes in the proposed site plan. Is it possible to maintain the green space on the proposed site plan or exclude this area from the zone change application?

We understand small towns do not stay small forever, because growth is needed to sustain the future; however, this development may not be the best fit for this location. Thank you for considering our concerns.

Sincerely,

Don and Joanne Schwartzentruber
1036 Brewery Street
Baden, ON
519-634-1092

Andrew Martin

From: Township of Wilmot
Sent: Tuesday, May 05, 2015 9:33 AM
To: Andrew Martin
Subject: FW: ZCA-08-15 - Foundry Street / Gingerich Road / Brewery Street, Baden

Wilmot Webmail | Township of Wilmot

60 Snyder's Road West, Baden, ON N3A 1A1 | P. 519. 634.8444 | F. 519.634.5522 | Toll. 800.469.5576 | TTY. 519.634.5037

www.wilmot.ca | Follow us on Twitter [@WilmotTownship](https://twitter.com/WilmotTownship)

From: Lindsay Zador [mailto:linds186@hotmail.com]
Sent: Tuesday, May 05, 2015 4:33 AM
To: Township of Wilmot
Subject: ZCA-08-15 - Foundry Street / Gingerich Road / Brewery Street, Baden

To whom it may concern,

Please forward this email to the person who is involved in hearing concerns regarding zoning changes for ZCA-08-15.

I have been made aware that there is a proposed gas bar and convenience kiosk for the corner of Foundry St, Gingerich Rd and Brewery St.

Given that Baden already has two convenience stores and a gas bar, this land may be put to better use by providing this community with something it is lacking. For example a grocery store and bank or trail system. Although there are 2 grocery stores in New Hamburg, neither one has all of the items one may need. There have been a number of occasions where I will go to one grocery store, they don't have the item I am looking for, so I go to the next grocery store, they still don't have the item, and so I end up settling on a different product. This could be as simple as a brand of toilet bowl cleaner, gluten free flour mix, or a frozen fajita vegetable mix. I'm sure you can agree that these are not completely obscure items. There is also nowhere that I'm aware of where you can get photos developed here. By putting in a larger full service grocery store, for example Zehrs you could alleviate these shortcomings. Also if there is still evidence that supports a second gas bar, there are some Zehrs gas bars. By having a store like Zehrs you could also put in a PC bank location, which would provide people access to another bank machine in town.

Choosing to put in a third convenience store is not logical. All three essentially carry all of the same products and don't offer benefits of going into one versus the other. The only thing that affects which one I go to is geography and where I'm closer to at the time both convenience stores lack products. Thinking of what this community is lacking and meeting that, would be more beneficial than putting in an additional overpriced convenience store.

One other shortcoming would be a trail area (Similar to the one at Huron park or Bechtel park). Although we have green space here, nothing has been developed to allow the people in this area to enjoy a nice nature path system. The green space/ park at the corner of Foundry/ Wilmot center road is not conducive to anything. No trail, very small, and no covered area.

I urge you to please consider other options for the proposed land, as the last thing this community needs is another overpriced product lacking "convenience store".

Thank you for your time,
Lindsay Zador

Sent from my BlackBerry 10 smartphone on the Koodo network.

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Andrew Martin

From: Parul Trivedi <parultrivedi@gmail.com>
Sent: Tuesday, May 05, 2015 10:42 AM
To: Andrew Martin
Subject: Concerns regarding zone change ZCA-08-15

Hello,

I am a current resident of Baden and I recently learned about some changes coming to our town. I have some concerns regarding the zone change ZCA-08-15 and would like to ask some questions.

My first concern is what are the environmental impacts of building another gas bar? What are the health implications for those who live in the area?

I am also wondering what the traffic implications will be with having a gas bar so close to a highway exit. We fear that a lot of traffic from 7 would be diverted to Baden when the gas station is built. This would get worse when the highway is extended to Stratford.

What is the reasoning behind changing the zone? We already have a gas station, other gas stations are already closely available within a 2-3 minute drive.(New Hamburg next to McDonalds, or Snyder's Rd and Notre Dame Dr.) Is there actually a need for it?

Most people who chose to live in Baden do so because it is a quiet town with a lot of nature. I believe that there are a good number who do not want nor need the town to become more industrialized. We live very close to Kitchener which is easily accessible, what are the reasoning behind these changes?

Will there be a vote where the residents can express their opinion regarding this change?

Andrew Martin

From: John Jantzi <jjantzi@netflash.net>
Sent: Tuesday, May 05, 2015 10:53 AM
To: Andrew Martin
Subject: Zone change

Hi Andrew

Here is my written response.

Thanks

Att. Wilmot Township Council

In response to the planned zone change proposal application 08/15 I would like to voice my objection to the changes necessary to allow a gas station, convenience store and car wash. I believe that having a gas station in this location will rob the downtown core of a lot of business as commuters will not come into the downtown to get their gas, coffee, snack, meal or wash their car. I do not believe that the town of Baden can support an extra gas station, coffee shop or convenience store in this location. I also believe that it cannot support a second car wash.

In the 10 years since we have owned the carwash in Baden we have seen the downtown grow and prosper with the arrival of a strip mall with a gas station, Subway, Mac's, Tim Hortons and other businesses. We do not wish to see it become vacant again. We hope that you will maintain the existing light industrial use that is currently on this property and allow the downtown to continue to thrive.

Sincerely

John and Kim Jantzi

FOSTER

1037 Foundry Street, Baden, ON, N3A 3R4

Kent & Sue Foster
1037 Foundry Street
Baden, ON

May 4, 2015

Development Services Department
Andrew Martin
Township of Wilmot
60 Snyder's Road West
Baden, ON N3A 1A1

Dear Sir,

We are proud to be residents of Wilmot Township, Baden at 1037 Foundry for the past twenty years. We have chosen to live in a small rural town, with corn field as our neighbours. We wish to voice our concerns and questions regarding the proposed Zone Change application 08/15 affecting the property adjacent to our home at Part of Lot 15, Concession South of Snyder's Road, Baden.

As indicated the proposed zoning change would permit a range of Light Industrial uses including but not limited to a gas station and a convenience store. It goes without saying; a Light Industrial Zone change located directly adjacent to any residential area has the potential to impose problematic activities such as lighting, parking, loading and access, traffic, garbage, recycling, outdoor storage and hazardous facilities among others. The following are some serious concerns we have regarding these changes and how they directly impact the cultural, and environmental benefits we currently enjoy living in Baden.

Noise: A Light Industrial Zone, i.e. proposed gas station and store will have significantly more noise than we currently experience. The proposed roof top air conditioning units will be disturbingly close to our house. The gas station and store will no doubt generate industrial lighting noise and glare from commercial signage, not to mention parking lot lighting. This issue alone will obliterate the quaint country-side backdrop that greets many visitors to Baden as they approach on Foundry Street from Hwy 7&8.

Traffic: A gas station and store would present vehicle idling and significant increases in traffic flow resulting in spoiled sound and air quality, and ultimately more pollution. Loading and Unloading of trucks in a light industrial setting, while idling or not would contribute to the noise and congestion.

FOSTER

1037 Foundry Street, Baden, ON, N3A 3R4

Growth: There are considerable social and environmental consequences associated with this development that cause us concern. We have invested in our property over the years to insure it has been well looked after, including excavating the back acreage and side yard to drain into a spring-fed natural pond. As residents we worry about the eco-unfriendly changes that would affect the basic character and nature of our neighborhood and create an unfavorable place to live. The elevated grade of proposed site, and its sandy soil have the potential to impact our property if not developed with care.

Principles: Finally, and perhaps most important of all, we have strong reservations with regard to the applicant's ultimate intentions once the zoning process is complete. All too often individuals from places like Toronto buy up property in small towns to turn a quick buck, with no consideration of the existing communities they impact. We feel the close-knit Baden culture will be compromised. We have already experienced the presumptuous nature of the applicant when the applicant took the liberty of placing stakes/markings (30' in from the property line) on our property with NO permission or notification for access during the surveying assessment study periods. An act which makes us question his intentions and integrity and moreover whether once granted the impending zone change, will the proposed plan will be modified to impose further concerns and leave us with no recourse.

We understand growth and change in our community are inevitable, however we urge the Development Service Department to take into consideration the concerns of those who will be directly impacted, those who live here and are invested in this community. We trust this process will consider claims from all Baden property owners to ensure that Wilmot Township can be a community that we are proud to call home.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kent & Sue Foster', written in a cursive style.

Kent & Sue Foster
1037 Foundry Street
Baden, ON N3A 3R4
Home: 519-634-5888
Cell: 519-574-5749

We, the undersigned, do not mind the proposed development at the corner of Foundry and Gingerich St to be zoned light industrial. However, we do not want to see the extensive retail of day to day commercial that is also requested in the zone change.

Specifically, the uses we do not wish to see include Animal Hospital, Bakery, Laboratory, Medical Offices, Office, Gas Bar, Convenience Store/Retail Kiosk accessory to a gas bar, or Drive Through. We are against it for two main reasons:

- (1) It will encourage residents to get back into their cars to drive out of town to that area vs. walking to the main downtown area as is currently happening in town
- (2) The population of our town is still quite small and the addition of these specific types of businesses will hurt or may even result in several local businesses in the downtown core closing. (For example, it's highly unlikely our town could support a third convenience store).

| Name | Business Name | Address | Signature |
|----------------|----------------------------|----------------------------|------------|
| Nancy Pereira | Baden Dental Clinic | 26 Foundry St. Baden | N. Pereira |
| Rick Pereira | Baden Dental Clinic | 26 Foundry St Baden | R. Pereira |
| Johanna Baloo | Baden Optical | 125 Snyder's Rd Baden | J. Baloo |
| Parvez Baloo | Baden Optical | 125 Snyder's Rd E Baden | |
| Victoria Coles | LiveWell Health & Wellness | 18 Snyder's Rd E Baden | V. Coles |
| Sarah Scott | LiveWell Health & Wellness | 18 Snyder's Rd Baden | S. Scott |
| Neel Sheeh | Mars Convenience | 118 Snyder's Rd E. | N. Sheeh |
| Hetal Shah | Mars Convenience | 118 Snyder's Rd E | H. Shah |
| HARDIK PATEL | Mars Convenience | 118 Snyder's Rd west | H. Patel |

[illegible]

Andrew Martin

From: Sheila Hannon <smehanno@uwaterloo.ca>
Sent: Sunday, August 23, 2015 4:09 PM
To: Andrew Martin
Cc: garry@splus.ca
Subject: re Zone Change Application 08/15

Hi Andrew

Thank you for the notification re the proposed zone change in Baden.

As a nearby landowner and business, Garry Ruttan and I, the owners of Systems Plus, would like to comment since we cannot attend the public meeting.

Our main concern is traffic at that intersection. Already traffic has become much heavier and more dangerous. It is especially important for us -- as it is for our neighbor Erb Transport, that our truck traffic can move in and out safely. Similarly, we have a growing number of employees who must also go through that intersection.

The proposed commercial uses will only augment the traffic that is already heavy at that intersection, particularly at the beginning and end of the day. Gingerich has also become much more used for traffic to the Rec Centre, we notice. While we think the industrial uses are quite complementary to the area, we do question if we need another gas bar and attendant uses since these already exist not very far away.

Thanks for keeping us apprised.

Sincerely,
Sheila

Sheila Hannon
Vice-President
Systems Plus

1-800-604-3645 www.splus.ca
smehanno@uwaterloo.ca
(BBY address) smehanno@gmail.ca

August 23, 2015

To Whom It May Concern,

I have reviewed the list of potential uses of the new commercial development proposed at the corner of Gingerich and Foundry St in Baden. The developer has not really changed the overall uses but instead of listing individual uses (in the previous proposal) he has lumped the potential uses into larger categories such as;

"...office, clinic or laboratory, commercial establishment where services are rendered, gas bar, convenience retail accessory to a gas bar, and take-out restaurant accessory to a gas bar.."

We would prefer as stated in the past to keep this area of Baden to light industrial with NO commercial that would take away from the downtown core area. This proposed development with the zone changes will take away from the downtown area if there are two commercial malls on opposite sides of town. The current mall encourages people to get out of their cars to walk to support local businesses. If the proposed commercial space is allowed to go ahead, residents will more likely drive to that area and divide the town into separate core areas. They would have to drive to the area of this proposed development as it is surrounded by farmland and light industrial businesses and has no sidewalks that extend anywhere near this proposal.

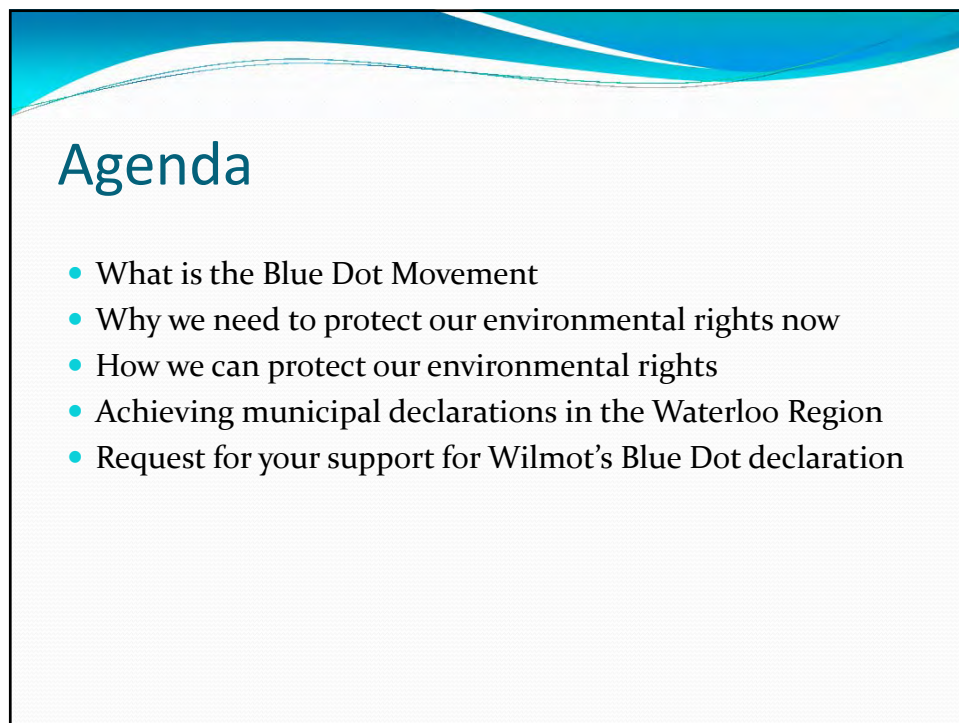
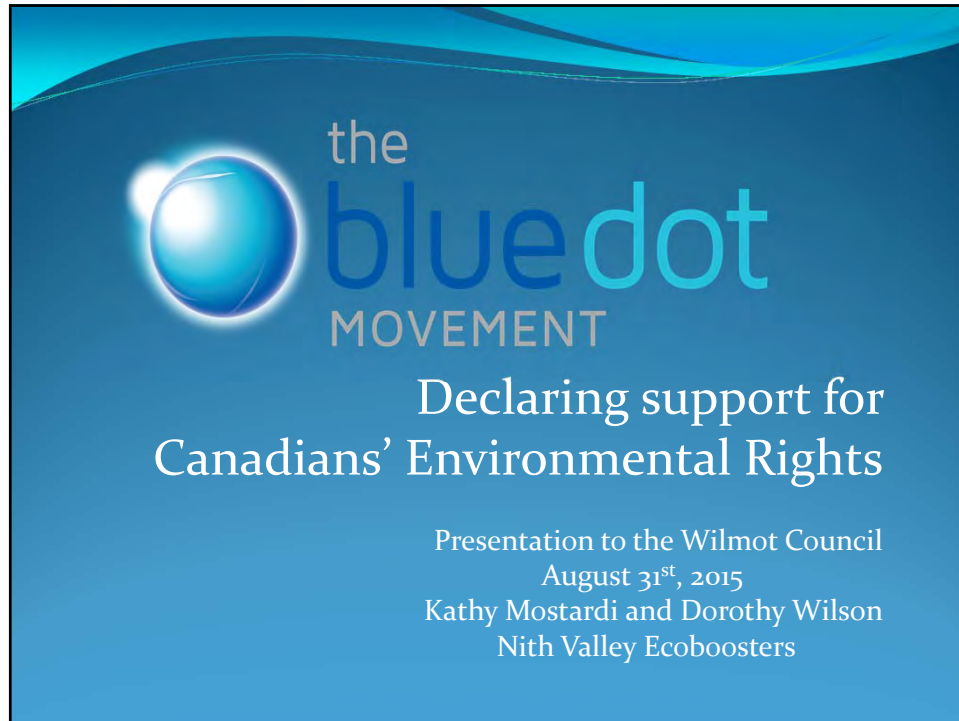
It seems odd to allow light industrial in the same mall as a clinic or laboratory. If the development is allowed to go through with a gas station, then it makes the medical/dental clinic use even more bizarre. Imagine a mall that has a metal welding shop next to a textile manufacturing office next to a boat building component operation (all light industrial uses) sandwiched in between this is a dental office or in another unit in the same development. This truly would be one of the most bizarre malls one would come across. Worst yet, it's one of the first things a person driving into Baden off the highway 7/8 would see. Having a mall with a gas station, light industrial, and a medical office makes absolutely no sense in the same development. One of the requested uses is office this needs to be clarified as light industrial office space. The picture drawn shows a gas station with three buildings that are light industrial yet the requested uses in the letter includes a variety of commercial and light industrial uses.

I do believe another gas station is a mistake as the town is too small to support three gas stations (Shell and Jutzi's gas station) plus this new proposed gas station. And the current gas station in the center of town is the main tenant in the mall. If that fails, we will have yet another location in Baden where there was once a gas station and it will be a challenge to re-develop.

To summarize, **we would strongly suggest elimination of medical clinic/lab use and define office space to light industrial office space.** Secondary, we think a gas station with a convenience store with a restaurant in this location would also be a mistake.

Thank you,

Rick and Nancy Pereira





The Blue Dot Movement

- The Blue Dot Tour in 2014
- Grassroots movement
- Starts with local communities
- Provincial action
- Amend the Canadian Charter of Rights and Freedoms



Why we need to protect our environmental rights now

- We are experiencing increasing environmental threats
- Canada ranks poorly on environmental performance
- Canada has no national safety regulations for drinking water or binding air quality standards
- Canada's response to GHG emissions needs strengthening
- **We need to act quickly to protect our environment for ourselves and future generations!**

How we can protect our environmental rights

- More than 110 nations recognize their citizens' right to live in a healthy environment.



- In over 80 per cent of those countries, those rights have led to stronger environmental laws and improved protection.

Steps to protect our environmental rights

1. Inform Canadians and get their support.
2. Have municipalities make declarations in support of the Right to a Healthy Environment.
3. Get provinces to show their support, potentially by implementing or improving provincial environmental bills of rights.
4. Get the federal government to extend the Canadian Charter to support environmental rights.



Blue Dot Support

- Across Canada
 - Over 81,000 Canadians have added their names to the Blue Dot petition.
 - Over 77 municipal governments, representing over 7 million Canadians have made Blue Dot declarations.
- In the Waterloo Region
 - About 2,100 citizens have added their names to the Blue Dot petition
 - Local municipalities



The WR Blue Dot Team

- Events
- Outreach
- Media
- Partnering – Nith Valley Ecoboosters

Achieving municipal declarations in the Waterloo Region

- The WR BD Team
 - contacted and received advice and support from environmental planning staff
 - presented to citizens' environmental advisory committees (EACs):
 - informed the local politicians

The “Made-in-Waterloo-Region” Blue Dot declaration

1. Recognizes that our municipalities have been and will continue to strive to maintain a healthy environment for their citizens
2. Declares that all people have the right to live in a healthy environment, and that such rights are best protected at the federal and provincial levels; and
3. Directs that the declaration be forwarded to: Stephen Harper and local MPs, Kathleen Wynne and local MPPs, the Federation of Canadian Municipalities and the Association of Municipalities of Ontario.



Please support
Wilmot's Blue Dot
declaration



Thank You

Add your name to the Blue Dot petition at
<http://bluedot.ca/join-us/>

Like and Follow our WR Blue Dot Facebook Page at
<https://www.facebook.com/waterloobluedot>



Township of Wilmot

REPORT

REPORT NO: CAO 2015-03

TO: Council

PREPARED BY: G. Whittington
Chief Administrative Officer

DATE: August 31, 2015

SUBJECT: Updated 2015 Municipal Work Program

Recommendation:

That the updated 2015 Municipal Work Program, as per the report dated August 31, 2015, prepared by the Chief Administrative Officer, be endorsed.

Background:

On March 9, 2014, Council approved the overall 2015 Municipal Work Program, which included each of the departments' 2015 work programs. As noted, within the previous report, the CAO will provide an updated report to Council, after 6 months, to confirm the status of the listed tasks and accomplishments. At that time, the update would provide the ability to review and initiate further tasks and new priorities of Council and staff.

As noted within the departmental work programs, various further tasks have been incorporated.

Discussion:

The status of the individual departmental work programs have been reviewed and attached to this report. Additional tasks requiring immediate attention were initiated during this time period and are acknowledged accordingly.

A majority of the wide range of tasks for the first half of year 2015 have been completed. The actions not completed are noted and revised accordingly. Staff have been undertaking the tasks outlined for the second half of 2015. The highlights include the extensive work undertaken by all staff and Council in the preparation and approval of the 2015 budget, which included the implementation of a number of municipal policies, capital budgets and departmental and corporate procedures.

As noted previously, the working relationship with Council and municipal staff has been very productive and continues to show leadership and positive attitude towards completing the tasks that are necessary to improve customer service, respond to provincial/federal initiatives and maintain a strong and vibrant local community.

The attached updated 2015 Work Program has been prepared, outlining the projects to be undertaken by each department, for the second half of 2015. The Work Program indicates only projects or major tasks and does not list the day-to-day activities of the departments.

The updated list of actions provides a continued focus towards improvements of the municipal organization and services. The list provides the ability of measuring the successful resolution of these matters and a clear understanding between both staff and Council, as to the priorities of the municipality. As noted in the work plans, there is a continued effort towards the implementation of building/roads/servicing infrastructure.

Strategic Plan Conformity:

This report is aligned with the Strategic Plan goals of being an engaged community through communication of municipal matters and most importantly, incorporating the Strategic Plan actions into the annual municipal work programs.

Financial Considerations:

The Municipal Work Program identifies the major capital projects that are within the approved 2015 budget.

Conclusion:

Upon the approval of the updated 2015 Municipal Work Program, the CAO will again provide an updated report to Council, at year-end, to confirm the status of the listed tasks and accomplishments. At that time, a new 2016 Municipal Work Program will be established, which will reflect new tasks and priorities of Council.

The Management Team will monitor the Work Program and issues raised will be acted upon at the weekly meetings.



Grant Whittington CAO

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: CAO

DATE: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | |
|----|--|-----------------------------|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | STRATEGIC PLAN | | | | | | | | |
| 1 | CTT/Regional Economic Development Corporation Implementation | Grant, Municipal CAOs | X | X | X | X | X | X | New WREDC was created and new Board selected. Working with CTT Board and staff on transfer. |
| 2 | Joint initiative, Boards of Trade, Chamber of Commerce | Grant, Harold, Rosita, Barb | X | X | X | X | X | X | In June, Mayor, Ward Councillor and CAO met with New Hamburg Board of Trade Executive Committee to discuss a wide range of tasks. |
| 3 | CAO's Waterloo Region Tourism Marketing Corporation | Grant | X | X | X | X | X | X | EOI approved for WCF Vital grants. |
| 4 | Monitor/persue senior government opportunities | Grant, Management Team | X | X | X | X | X | X | Funding approved under Canada 150 Fund. |
| 5 | Hire consultant and undertake a Facilities & Recreation Services Master Plan | Grant, Scott | X | X | X | X | X | X | Application submitted for OMCIP. |
| | CAPITAL PROGRAM | | | | | | | | |
| 6 | Updated 10 Year Capital Forecast 2015 and 2016 | Grant, Management Team | | | X | X | X | X | 2015 Complete. |
| | GENERAL | | | | | | | | |
| 7 | Budget 2015 | Grant, Management Team | | | | | | | Completed. |
| 8 | Budget 2016 | Grant, Management Team | | | X | X | X | X | |
| 9 | 2015 Work Programs and review | Grant, Management Team | | X | X | | | | Completed. |
| 10 | Employee performance reviews | Grant, Management Team | | | | X | X | X | |
| | NEW INITIATIVES | | | | | | | | |
| 11 | Leadership training for front-line managers | Grant, Lorena | | | | | | | 23 Directors and Managers attended the half day seminar by James Robbins. |
| 12 | Establish annual summer staff bar-be-que | Grant, Lorena | X | | | | | | Bar-be-que was successful, held on July 16. |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: CLERK'S SERVICES

DATE: August 31, 2015

| | Project | Person Responsible | J A S O N D | | | | | | |
|----|--|--------------------------|-------------|---|---|---|---|---|--|
| | | | J | A | S | O | N | D | |
| | STRATEGIC PLAN | | | | | | | | |
| 1 | Joint Initiatives - Boards of Trade, Chamber of Commerce | Grant/Harold/Rosita/Barb | X | X | X | X | X | X | Township continuing discussions with Boards of Trade |
| 2 | Website Design and Implementation | Website Working Group | X | X | X | X | X | X | Homepage design complete. Content writing in progress. Project to "go-live" November 2015. |
| | CAPITAL PROGRAM | | | | | | | | |
| 3 | New Dundee Mun/Cmty Events Grd Sign (Capital Project) | Barb/Scott | | | | | | | Completed |
| | GENERAL | | | | | | | | |
| 4 | Accessibility Initiatives/Actions - 2014 Municipal Election Report | Barb/Dawn | | | | | | | Completed |
| 5 | RFQ - Lease of Mun Agric Lands - West of Catherin Street, NH | Barb | | | | | | | Completed |
| 6 | Amend Dog Keeping Bylaw re Dangerous Dogs | Barb/Dawn/Derek/Kevin | | | | | X | X | Research Underway |
| 7 | 2014 Work Program Year End Review | Barb/Dawn/Derk/Kevin | | | | | | | Completed |
| 8 | 2015 Work Program | Barb/Dawn/Derek/Kevin | | | | | | | Completed |
| 9 | 2015 Work Program Mid Year Review | Barb/Dawn/Derk/Kevin | | X | | | | | August 31st |
| 10 | Community Newsletter (with interim tax bills) | Dawn | | | | | | | Completed |
| 11 | Community Newsletter (withfinal tax bills) | Dawn | | | | | | | Completed |
| 12 | Budget 2015 | Barb/Management Team | | | | | | | Budget approved in February 2015. |
| 13 | Budget 2016 | Barb/Management Team | | | X | X | X | X | Draft budget schedule approed by SMT. |
| 14 | Hire By-law Summer Student - Canada Summer Jobs | Barb/Derek/Lorena | | | | | | | Completed |
| 15 | Update Township Property Inventory | Dawn | | | | | | X | |
| 16 | Employee Performance Reviews | Barb | | | | X | X | X | |
| 17 | Re-registration of 40 Year Old Easements | Dawn | | | | | | | Completed |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: CLERK'S SERVICES

DATE: August 31, 2015

| | Project | Person Responsible | | | | | | | |
|----|---|--------------------------|---|---|---|---|---|---|---|
| | | | J | A | S | O | N | D | |
| 18 | Proposed Designation Livingston Church | Barb/Tracy/Heritage Cm | | | | | | | Completed |
| 19 | Stephen Lichti Municipal Drain | Barb/Dawn/B. Dietrich | X | X | X | X | X | X | Drain Reports to be Filed Fall 2015 |
| 20 | Gingerich Road Drain | Barb/Dawn/J. Kuntze | X | X | X | X | X | X | Project Completion Summer 2015 |
| 21 | St. Agatha Drain 2013-Kraehling Petition | Barb/Dawn/J. Kuntze | X | X | X | X | X | X | Revised/updated Report Filed August 2015 |
| 22 | Finnie Drain | Barb/Dawn/J. Kuntze | X | X | X | X | X | X | Pending Filing of Report |
| 23 | FIT Program Solar Rooftop Projects Reports | Barb | | | | | | | Ongoing Support |
| 24 | Phillips-Doehn Drain | Barb/Dawn/J. Kuntze | | | | | | | Completed |
| 25 | Don Zehr Drain Petition | Barb/Dawn/J. Kuntze | X | X | X | X | X | X | Construction to be Completed August 2015 |
| 26 | Activa-Region-Trussler Road Municipal Drain | Barb/Dawn/B. Dietrich | X | X | X | X | X | X | Appeal Filed with Drainage Tribunal |
| 27 | Wiebe Nauta Municipal Drain | Barb/Dawn/B. Dietrich | X | X | X | X | X | X | Drain Reports to be Filed Fall 2015 |
| 28 | Drain Maintenance - Various Drains | J. Kuntze | X | X | X | X | X | X | Tile and Catchbasin Repair, inspections in progress |
| 28 | Nachurs-Alpine Municipal Drain | Barb/Dawn/P. Burnside | X | X | X | X | X | X | Survey complete, preliminary design underway |
| 29 | Lottery Licensing Quarterly Reports to Ministry | Dawn | X | | | X | | | |
| 30 | Preparation of Procedural Manual Bylaw Enf/Animal Ctrl | Derek/Kevin | X | X | X | X | X | X | |
| 31 | Amend Schedules to Fire Route By-law | Barb/Michael/Derek/Kevin | X | X | X | | | | Update Underway |
| 32 | Update Traffic and Parking By-law | Barb/Dawn/Derek/Kevin | X | X | X | X | X | X | |
| 33 | Join Grand River Accessibility Advisory Committee | Barb/Dawn | | | | | | | Completed |
| 34 | Legal Process to Designate Livingston Presbyterian Church Baden | Barb/Tracy/Heritage Cm | | | | | | | Completed |
| 35 | Additional Smoking Prohibiitons - Prescribed Areas | Barb/Dawn/Vicky/Region | | | | | | | Met with Major Event Groups to Update |
| 36 | Digital Records Management System | Barb/Dawn | | | | | | X | Research Underway |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: CLERK'S SERVICES

DATE: August 31, 2015

| | Project | Person Responsible | | | | | | | | |
|----|---|-------------------------|---|---|---|---|---|---|---|--|
| | | | J | A | S | O | N | D | | |
| 37 | Refil Part Time Animal Control Services Contract | Barb/Dawn/Derek/Patrick | | | | | | | CompletedThrough KWHS Existing Contract | |
| | NEW INITIATIVES | | | | | | | | | |
| 38 | Bill 8(Pubic Sector/MPP AccountabilityTransp. Act) Research | Barb/Dawn/Area Clerks | X | X | X | X | X | X | Update at September 18th Clerks' Meeting | |
| 39 | Provincial Review of Municipal Elections Act / Clerk's Feedback | Barb/Dawn/Area Clerks | X | | | | | | Clerk's Response Forwarded to Province | |
| 40 | Provincial Review of Municipal Act - Clerk's Feedback | Barb/Dawn/Area Clerks | X | X | X | X | | | Report Forthcoming to Council Fall / 2015 | |
| 41 | RFQ Township of Wilmot Municipal Drainage Superintendent | Selection Committee | X | X | | | | | Council Approval of Award August/2015 | |
| 42 | Assignment of Part-time Animal Control - KWHS | Barb/KWHS/Finance | | | | | | | Completed | |
| 43 | Registration of Trademark - Wilmot Fire Department Logo | Barb | | | | | | | Completed | |
| 44 | Amendments to Noise By-law - Wilmot FF Event; Baden CornFest | Dawn | | | | | | | Completed | |
| 45 | Establish Township Feedback Protocol | Barb/Management Team | X | X | X | | | | Research Underway | |
| 46 | Victoria Day Event Follow Up With Committee, Region, WRPS | Barb/Derek/Kevin/Dawn | | | | | | | Meeting Held to Review Safety Initiatives | |
| 47 | Multi-Year Accessibility Plan Update | Barb/GRAAC | X | X | X | X | X | X | Initial Review by GRAAC, Council Report to Follow | |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FINANCE

DATE: August 31, 2015

| | Project | Person Responsible | | | | | | | | |
|----|--|--|---|---|---|---|---|---|---|--|
| | | | J | A | S | O | N | D | | |
| | STRATEGIC PLAN | | | | | | | | | |
| 1 | Monitor/Pursue Senior Government Funding Opportunities | Rosita, Patrick, Management Team | x | x | x | x | x | x | Funding approved under Canada 150 Fund; EOI approved for KWCF Vital Grants; Application submitted for OMCIP | |
| 2 | Website Design and Implementation | Website Working Group | x | x | x | x | x | | Homepage design complete. Content writing in progress. Projected to "go-live" in November 2015. | |
| 3 | Asset Management Plan Software Purchase/Implementation | Patrick, Rosita, Gary, Alastair, David, Sean | x | x | x | x | x | x | Contract awarded to Public Sector Digest. Staff working with consultants to compile Tangible Assets (TA) database | |
| 4 | Review Expanding Options for Electronic Payment (Parking Fines, Animal Licensing, etc) | Ashton, Patrick | x | x | x | | | | Review and implementation of eCommerce solution from USTI anticipated late summer completion | |
| 5 | Establish Green Team for Sustainable Waterloo Region Regional Carbon Initiative (RCI) | Patrick, Grant | | | | | | | Project completed. | |
| 6 | Joint Initiatives Boards of Trade, Chamber of Commerce | Rosita, Grant, Harold, Barb | x | x | x | x | x | x | Township continuing discussions with Board of Trade | |
| | CAPITAL PROGRAM | | | | | | | | | |
| 7 | Implementation of Water Meter Radio Read Program | Ashton, Sue, Utilities | x | x | x | x | x | x | Installations on-going throughout 2015. To date 2,554 locations are completed. | |
| 8 | Mannheim/Shingletown Water/Wastewater System Transition | Rosita, Ashton, Sue, Utilities | x | x | x | | | | Cross-border servicing agreement completed. Water Meter replacements scheduled for August completion. | |
| 9 | Public/Private Wi-Fi Implementation | Karl | x | x | x | | | | Project completed. | |
| 10 | Upgrade Desktops and Notebooks | Karl | x | x | x | | | | Hardware purchased. Deployments on-going throughtout summer. | |
| 11 | Network Infrastructure Replacements (Back-up Server) | Karl | x | x | x | x | | | IT staff compiling specifications for fall RFQ | |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FINANCE

DATE: August 31, 2015

| | Project | Person Responsible | | | | | | | |
|----|--|---|---|---|---|---|---|---|--|
| | | | J | A | S | O | N | D | |
| | GENERAL | | | | | | | | |
| | FINANCIAL SERVICES | | | | | | | | |
| 12 | Update Boundary Agreements for Fire Service (Wellesley/Blandford Blenheim) | Grant, Michael, Patrick | | | | | | | Project completed. |
| 13 | Budget 2015 | Rosita, Patrick, Ashton, Marzena, Management Team | | | | | | | Budget approved in February 2015. |
| 14 | 2015 Work Program | Rosita, Patrick, Ashton, Marzena, Lorena, Karl | | | | | | | Project completed. |
| 15 | Year End Financial Statements, FIR and Audit | Rosita, Patrick, Ashton | | | | | | | Project completed. |
| 16 | Establish In-House Tracking System for MPAC Assessments | Ashton | x | x | | | | | Project completed. |
| 17 | Update Electricity and Natural Gas Procurement Strategy | Rosita, Patrick, Marzena | | | | | | | Project completed. |
| 18 | Update Water Financial Plan for Council Approval | Ashton, Gary | | | | | | | Project completed. |
| 19 | Establish Policy for Fundraising Initiatives | Ashton, Rosita, Management Team | | | | | | | Draft policy under review by SMT |
| 20 | Review/Update Policy on Tangible Capital Assets | Rosita, Patrick | | | | x | x | | Policy to be updated upon completion of updated Tangible Assets inventory. |
| 21 | Review/Update/Streamline Internal Processing On-line Payments | Ashton, Patrick, Barb, Sue | | | | x | x | | Solution to be provided by TD CanadaTrust commercial banking. Implementation fall 2015. |
| 22 | Review Privacy/Confidentiality Policy for Property Tax Information | Ashton, Barb, Sue | | | x | x | | | Revenue services staff in discussions with area municipalities and OMTRA regarding policy. |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FINANCE

DATE: August 31, 2015

| | Project | Person Responsible | | | | | | | |
|----|--|---|---|---|---|---|---|---|--|
| | | | J | A | S | O | N | D | |
| 23 | Review WSIB Clearance Certificate Process/Compliance | Rosita, Patrick, Marzena | | | x | x | | | Working with accounting software provider to track compliance through AP module. |
| 24 | RFP - External Auditors | Rosita, Patrick | | | | | | | Project deferred to 2016 to co-incide with expiry of current contract. |
| 25 | Review/Update PSAB Valuations for Roads and Underground Infrastructure | Patrick, Ashton, Public Works | | | | | | | Project completed. |
| 26 | 2015 Work Program Review | Rosita, Patrick, Ashton, Marzena, Management Team | | x | | | | | Project completed. |
| 27 | 2016 Municipal Grants Program | Rosita, Patrick, Management Team | | | x | x | x | x | Program intake to begin in September. |
| 28 | Budget 2016 | Rosita, Patrick, Ashton, Marzena, Management Team | | | x | x | x | x | Draft budget schedule approved by SMT. |
| | IT SERVICES | | | | | | | | |
| 29 | Complete Inventory and Documentation of IT Infrastructure | Karl | x | x | x | x | x | x | Inventory is continually updated throughout year. |
| 30 | Blackberry Device Upgrades | Karl, Marzena | | | | | | | Project completed. |
| 31 | Review Implementation of IT Usage Policy | Karl, Lorena | | | | x | x | x | IT staff and HR Co-ordinator discussing elements of policy. |
| | HUMAN RESOURCES | | | | | | | | |
| 32 | Seasonal Recruitment | Lorena, Management | | x | x | | | | Spring/summer completed, fall in progress |
| 33 | Implement Accomodation and Return to Work Policy | Lorena, Management Team | | | | x | x | | HR Co-ordinator compiling draft policy for SMT review. |
| 34 | Wellness Sessions | Lorena | | x | | | x | | One session completed, more scheduled for August and November |
| 35 | Review Meals Allowance, Travel Expenses and Clothing Provisions | Lorena, Rosita, Patrick, Marzena | | x | | | | | Project completed. |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FINANCE

DATE: August 31, 2015

| | Project | Person Responsible | | | | | | | |
|----|--|--------------------------------------|---|---|---|---|---|---|---|
| | | | J | A | S | O | N | D | |
| 36 | Review Memorial Donations, Gifts and Long Service Recognition Policies | Lorena, Management Team | | x | | | | | Updated policies pending review by SMT. |
| 37 | Implement Online Training Environment | Lorena, Karl | | x | x | x | | | HR Co-ordinator working in collaboration with Training/Public Education Officer and IT Systems Administrator to determine appropriate solution. |
| 38 | Investigate Online Timesheets with InfoHR | Lorena, Karl | | | | | | x | Project completed. |
| | NEW INITIATIVES | | | | | | | | |
| 39 | Digitize Property Roll and Pre-Authorized Payment Plan files | Ashton, Barb, Sue | | | x | x | x | x | Process established for fall implementation. |
| 40 | Create Standardized Format for Fillable Forms (On-Line) | Ashton | | x | x | x | | | Working with WRG to establish standard template for all on-line forms/applications. |
| 41 | Kitchener Waterloo Community Foundation - Vital Grant | Rosita, Patrick, Scott, Vicky, Grant | | x | x | x | x | x | EOI approved. Formal application for funding. |
| 42 | Municipal Legislation Review Feedback | Rosita, Patrick, Ashton | x | x | | | | | Staff reviewed proposed changes to Financial components of Municipal Act. |
| 43 | Leadership Training for Front-Line Managers | Lorena, Grant | | | | | | | 23 directors and managers attended 1/2 day training session. |
| 44 | Establish Annual Summer Staff BBQ | Lorena, Grant | x | | | | | | BBQ was successfully held in July 2015. |
| 45 | Public Sector Financial Reporting Conceptual Framework | Patrick | x | x | x | | | | Participated and contributed to response from MFOA Committee for Accounting and Financial Reporting (CAFR) |
| 46 | DWQMS Audit Training | Ashton, Sue, Utilities | | | | | | | Attended 2-day course on Internal auditing for the DWQMS |
| 47 | Risk Management Training with WRMIP | Patrick, Rosita, Public Works | | | | | | | Attended 1/2 day course on the merits of Risk Management in municipal environment |
| 48 | DWQMS Internal Audit | Ashton, Sue, Utilities | | x | x | | | | Audit to commence on August 24th |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FACILITIES/RECREATION

DATE: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | Status |
|----|---|------------------------|---|---|---|---|---|---|--|
| | | | | | | | | | |
| | STRATEGIC PLAN | | | | | | | | |
| 1 | Complete installation & commissioning of the Wilmot Splash Pad | Scott/Geoff/contractor | | | | | | | complete |
| 2 | Continue to research, develop & impliment seniors/youth programs | Vicky/Lacey | x | x | x | x | x | x | on-going |
| 3 | Review/prioritize trail segments (TMP) with the Trails Interdepartmental Working Group (TIWG) for capital planning purposes | FRS/PW/DS | x | x | x | x | x | x | Canada 150 CIP funding application approved for WRC/Schmidt Woods Trail system |
| 4 | Complete installation of barrier-free washroom at the NH Library | Bruce/P&F staff | | | | | | | complete |
| 5 | Assist with Healthy Communities Week | Vicky/staff | | | | | | | complete |
| 6 | Hire consultant to undertake a Facilities & Recreation Services Master Plan | Scott | | x | x | x | x | x | |
| 7 | Wilmot Reforestation Program - Parks (S & F) | Scott | | | | x | x | | |
| | CAPITAL PROGRAM | | | | | | | | |
| | 60 Snyder's Road West | | | | | | | | |
| 8 | Carpet replacement at Administration Complex | Geoff/contractor | x | x | x | | | | |
| 9 | Atrium galss repairs at Administration Complex | Geoff/contractor | x | x | x | | | | |
| | Parks & Facilities Operations | | | | | | | | |
| 10 | Tender/purchase parks stake truck | Geoff/P&F staff | | | | | | | complete |
| | St.Agatha Parks & Facilities | | | | | | | | |
| 11 | CC - roof drainage repairs | Bruce/contractor | x | x | x | x | | | |
| 12 | Sararas Park playground replacement | Geoff/contactor | | x | x | | | | quotations received, September installation |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FACILITIES/RECREATION

DATE: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | Status |
|----|--------------------------------|------------------------|---|---|---|---|---|---|----------|
| | | | | | | | | | |
| | Petersburg Park | | | | | | | | |
| 13 | Parking lot expansion | Scott/Geoff/contractor | | | | | | | complete |
| | New Hamburg Arena/CC | | | | | | | | |
| 14 | Replace banquet tables at NHCC | Geoff/supplier | x | x | x | | | | complete |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FACILITIES/RECREATION

DATE: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | Status |
|----|---|-------------------------|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | Baden Parks & Facilities | | | | | | | | |
| 15 | Replace D#2 lighting | Scott/Geoff/contractor | | x | x | | | | lighting complete; awaiting restoration works |
| | New Dundee Parks & Facilities | | | | | | | | |
| 16 | NDCC washroom upgrades | Geoff/suppliers | x | x | x | x | | | quotes being received for various items |
| | New Hamburg Parks & Facilities | | | | | | | | |
| 17 | Norm Hill Park material storage bunkers | Geoff/contractor | | | x | x | x | | |
| 18 | Replace D#1 lighting | Scott/Geoff/contractor | | x | x | | | | lighting complete; awaiting restoration works |
| 19 | Norm Hill Park lower lot grading/drainage | Scott/Geoff/contractor | | | | | | | complete |
| | Wilmot Recreation Complex | | | | | | | | |
| 20 | Hire consultant to undertake WRC/Schmidt Woods Trail design | TIWG | x | x | x | x | x | x | Seferian Design Group hired (PRD 2015-06) |
| 21 | Hire contractor to design/install back-up power generator | Scott | x | x | x | x | x | | Wagler Electric hired (PRD 2015-05) |
| 22 | Complete maintenance repairs (pool changerooms) at aquatic centre | Geoff/contractors | | | x | | | | work scheduled for September |
| 23 | Purchase /install pool pump controller | Geoff/Bruce | | | | | | | complete |
| | GENERAL | | | | | | | | |
| | Recreation Administration and Community Programs | | | | | | | | |
| 24 | 2015 Operating & Capital Budget | Scott/CAO/FIN/FRS staff | | | | | | | complete; Budget approved Feb/15 |
| 25 | Community Recreation Guide (spring/summer & fall/winter) | Crystal/Angela/staff | x | x | | | | | complete |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FACILITIES/RECREATION

DATE: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | Status |
|----|---|--------------------------------------|---|---|---|---|---|---|---|
| | | | | | | | | | |
| 26 | Assist with the Splash Pad Grand Opening | All FRS staff | | | | | | | complete |
| 27 | 2015 student grant applications | Vicky | | | | | | | complete |
| 28 | Complete outstanding Fire Safety Plans (NH Arena/CC, Admin. Complex) | Scott/contractor | x | x | x | x | | | |
| 29 | Complete annual performance reviews for F/T staff | Scott/Managers | | | | | x | x | |
| 30 | Continue the development of a departmental operating policies manual | Scott/Managers | x | x | x | x | x | x | on-going |
| 31 | 2016 Budget | Scott/CAO/FIN/FRS staff | | | | x | x | x | |
| 32 | Update 10-year capital forecast | Scott/FIN/Managers | | | | x | x | x | |
| 33 | 2015 Work Program update | Scott/Managers | x | x | | | x | x | mid-year update complete |
| 34 | Hire/train summer students | Scott/Managers | | | | | | | complete |
| 35 | Review resource requirements for capital program and trail network implementation | Scott | | | | x | x | | |
| | NEW INITIATIVES | | | | | | | | |
| 36 | Kitchener-Waterloo Community Foundation - Vital Grant | Rosita, Patrick, Scott, Vicky, Grant | | x | x | x | x | x | EOI approved. Formal application for funding. |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: PUBLIC WORKS

DATE: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | |
|----|---|-------------------------|---|---|---|---|---|---|--|
| | | | | | | | | | |
| | STRATEGIC PLAN | | | | | | | | |
| 1 | Review/prioritize trail segments (Trails Master Plan) with the Trails Interdepartmental Working Group (TIWG) for capital planning purposes. | FRS/PW/DS | x | x | x | x | x | x | Canada 150 CIP funding application approved for WRC/Schmidt trail system |
| 2 | Wilmot Reforestation Program - Public Works | Alastair | | | x | x | x | | |
| | CAPITAL PROGRAM | | | | | | | | |
| 3 | Hot Mix Asphalt Program | Alastair/Dave | x | | | | | | Complete |
| 4 | Tar & Chip Program | Alastair/Dave | x | | | | | | Complete |
| 5 | Bridge Appraisal Program | Gary/Dave | x | x | | | | | |
| 6 | Sidewalk Program | Alastair | x | x | x | | | | Tender awared PW-2015-15 |
| 7 | Grant & Williams Street Reconstruction | Gary/Dave/Sean/Alastair | x | x | x | | | | Complete |
| 8 | Main Street Reconstruction - Engineering | Gary/Dave/Alastair | x | x | x | x | x | x | Consultant hired PW-2014-08 |
| 9 | King Street Reconstruction - Engineering | Alastair/Dave | x | x | x | x | x | x | Consultant hired PW-2015-08 |
| 10 | Replace Single Axle Truck (Roads) | Alastair/Dave | | | | | | | Tender awarded PW-2015-04 |
| 11 | Replace Pickup Truck (Roads) | Alastair/Dave | x | | | | | | Delivery due in 3rd quarter |
| 12 | Steel Beam Guiderails - Pinehill Road | Gary/Dave | x | | | | | | Complete |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: PUBLIC WORKS

DATE: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | |
|----|---|---|---|---|---|---|---|---|--|
| | | | | | | | | | |
| | BUDGET | | | | | | | | |
| 13 | 2015 Budget | Gary/Dave/Sean/Alastair Management Team | | | | | | | Budget approved February 2015 |
| 14 | 2016 Budget | Gary/Dave/Sean/Alastair Management Team | | x | x | x | x | x | |
| 15 | Update 10-Year Capital Budget Forecast | Gary/Dave/Sean/Alastair Management Team | | x | x | x | x | x | |
| | ROADS | | | | | | | | |
| 16 | Winter Sand Stockpile | Dave | | | | x | x | | |
| 17 | Prepare Roads for 2016 Hard Surfacing Programs | Dave | x | x | x | x | | | |
| 18 | Gravel Resurfacing Program | Alastair/Dave | x | | | | | | Complete |
| 19 | SWM Facilities - Inspections/Maintenance/Repairs | Dave | x | | | | | | Complete in 4th quarter |
| | UTILITIES | | | | | | | | |
| 20 | Marvin Street Sanitary Pump Station Upgrades | Sean | | x | x | | | | |
| 21 | Mannheim/Shingletown Water & Sanitary System Assumption | Public Works & Finance | x | x | | | | | Cross-border servicing agreement completed. Water meter replacements scheduled for August completion |
| 22 | Water Meter Upgrades | Sean | x | x | x | x | x | x | |
| | GENERAL | | | | | | | | |
| 23 | 2015 Work Program and Review | Gary | x | | | | x | x | |
| 24 | Employee Performance Review | Gary/Dave/Sean | | | | x | x | | |
| 25 | Update Municipal Database | Alastair | | | | x | x | x | |
| | NEW INITIATIVES | | | | | | | | |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: PUBLIC WORKS

DATE: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | |
|----|---------------------|--------------------|---|---|---|---|---|---|--|
| | | | | | | | | | |
| 26 | Road Sign Inventory | Dave | x | | | | | | Initiated a program to inspect and inventory all road signs. 50% of rural roads completed in 2015. |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FIRE

Date: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | |
|----|--|------------------------|---|---|---|---|---|---|---|
| | STRATEGIC PLAN | | | | | | | | |
| 1 | Fire Agreement Discussions (Wilmot/Waterloo/Wellesley) | Michael | x | x | x | x | x | x | Wellesley complete, Waterloo Discussion |
| 2 | Review By-Law to Establish a Fire Department | Michael | x | x | x | x | x | x | Document review in process |
| 3 | Aizan Emergency Communications Discussion/Implementation | Michael | x | x | x | x | x | x | Agreement Approved Training Starting |
| 4 | Emergency Management Training Event | Michael Gary M | x | x | x | x | x | x | Event is in Development |
| | CAPITAL PROGRAM | | | | | | | | |
| 5 | Baden Station Infrastructure Improvement | Michael | x | x | x | x | x | x | In Process |
| 6 | Baden Station Rear Pavement | Michael | | | x | x | x | x | In Process |
| 7 | Diesel Exhaust Extraction System New Dundee | Michael | x | x | x | x | x | | In Process |
| 8 | Structural Assessment New Hamburg Station | Michael | x | x | x | x | x | x | Analysis On going |
| 9 | Pumper 3 New Hamburg | Michael Fire Mgmt Team | x | x | x | x | x | x | In Process |
| 10 | SCBA Upgrades | Michael | x | | | | | | Complete |
| 11 | Protective Gear New Recruits | Michael Gary M | x | | | | | | Complete |
| 12 | Emergency Back Up Power NH Fire Station | Michael / Scott | x | x | x | x | x | x | In Process |
| 13 | Emergency Back Up Power Baden Fire Station | Michael / Scott | x | x | x | x | x | x | In Process |
| 14 | Pick Up Truck Purchase | Michael | x | x | | | | | Complete |
| 15 | New Dundee Tanker Lift | Michael | x | x | | | | | Complete |
| 16 | Baden Tanker 6 Hose Bed Cover | Michael | x | | | | | | Complete |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: FIRE

Date: August 31, 2015

| | Project | Person Responsible | J A S O N D | | | | | | | |
|----|---|-------------------------|-------------|---|---|---|---|---|-----------------------------|--|
| | | | J | A | S | O | N | D | | |
| 17 | New Hamburg Tent Rental | Michael | x | x | | | | | Complete | |
| 18 | Focible Entry Tools | Michael | x | x | | | | | Complete | |
| 19 | Ventilation Saw New Hamburg | Michael | x | x | | | | | Complete | |
| 20 | Truck Reflective Striping - Baden & New Hamburg | Michael/Fire Mgmt. Team | x | x | | | | | Project 50% Complete | |
| | GENERAL | | | | | | | | | |
| 21 | Recruit Firefighter Training | Gary M | x | x | x | x | | | Training Ongoing to October | |
| 22 | Live Fire Training | Gary M | x | x | x | x | | | Training Ongoing to October | |
| 23 | Firefighter Survival Training | Gary M | x | | | | | | Training Complete | |
| 24 | Vulnerable Occupancies Compliance | Dale | x | x | x | x | | | Compliance Achieved | |
| 25 | Carbon Monoxide Detector Program | Dale | x | x | x | x | x | x | Program is Ongoing | |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: DEVELOPMENT SERVICES

DATE: August 31, 2015

| | Project | Person Responsible | J | A | S | O | N | D | |
|----|---|------------------------------|---|---|---|---|---|---|------------------------|
| | | | | | | | | | |
| | STRATEGIC PLAN | | | | | | | | |
| 1 | Work with NHBOT re: Signage to promote NH Heritage District | Tracy, Harold | X | X | X | X | X | X | |
| 2 | Joint Initiatives, Boards of Trade, Chambers of Commerce | Grant, Harold, Rosita, Barb | X | X | X | X | X | X | |
| 3 | Indepartmental Working Group (TIWG) for capital planning purposes | FRS/PW/DS | X | X | X | X | X | X | |
| | CAPITAL PROGRAM | | | | | | | | |
| 4 | Budget 2015 | Harold, Management Team | | | | | | | Budget Approved Feb/15 |
| 5 | Budget 2016 | Harold, Management Team | | | X | X | X | X | |
| 6 | Updated 10 year Capital Forecast | Harold, Management Team | | | X | X | X | X | |
| | GENERAL | | | | | | | | |
| 7 | 2015 Work Program | Harold | | | | | | | Complete |
| 8 | Township Official Plan Review (Conformity) | Harold, Andrew | X | X | X | X | X | X | Initiated and Ongoing |
| 9 | Township Official Plan Review (Rationalization) | Harold, Andrew | X | X | X | X | X | X | Initiated and Ongoing |
| 10 | Source Water Protection Implementation | Harold | X | X | X | X | X | X | Ongoing |
| 11 | Septic Reinspection Program Implementation | Harold, Terry, Basia, Andrew | X | X | X | X | X | X | Initiated and Ongoing |
| 12 | Website Refresh Terms of Reference / RFP | All Departments | X | X | X | X | X | X | Complete |
| 13 | New Hamburg Core Area Parking Review | Harold, Andrew | X | X | X | | | | Initiated and Ongoing |
| 14 | 2015 Work Program Review | Harold | | X | | | | | Complete |
| 15 | Employee Performance Reviews | Harold | | | | X | X | X | Complete |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: CASTLE KILBRIDE

DATE: August 31, 2015

| | Project | Person Responsible | J A S O N D | | | | | | | |
|----|---|------------------------|-------------|---|---|---|---|---|--|--|
| | | | J | A | S | O | N | D | | |
| | STRATEGIC PLAN | | | | | | | | | |
| 1 | Expand summer concert series at Castle Kilbride | Tracy, Sherri | | | | | | | | Completed |
| 2 | Introduce new exhibits at Castle Kilbride that appeal to all ages | Sherri, Tracy | | | | | | | | Completed |
| 3 | Research and introduce new Christmas event at Castle Kilbride | CK Staff & Committee | | | x | x | x | | | |
| 4 | Reorganize and promote Township archives and artifact collections | Tracy, Sherri | x | x | x | x | x | x | | |
| 5 | Promote Castle Kilbride and Wilmot Twp as a tourist destination | Tracy, Sherri | x | x | x | x | x | x | | |
| 6 | Update Non-Designated Register of Heritage Properties | Tracy, Heritage Wilmot | x | x | x | x | x | x | | |
| 7 | Designate a Wilmot Township property | Tracy, Heritage Wilmot | | | | | | | | Completed; Designated Livingston Presbyterian Church on June 7, 2015 |
| 8 | Promote historical walking tours | Tracy, Heritage Wilmot | | x | x | | | | | Featured at Cornfest and Doors Open |
| 9 | Submit grant application for NH Grandstand mural project | Tracy, HW Chairperson | | | | | | | | Completed |
| 10 | Research municipal Arts and Cultural plans | CK Staff | | | | x | x | x | | |
| | CAPITAL PROGRAM | | | | | | | | | |
| 11 | Coordinate grandstand mural project | Tracy, Heritage Wilmot | x | x | x | x | | | | Presentation to Council in September |
| | GENERAL | | | | | | | | | |
| | CASTLE KILBRIDE | | | | | | | | | |
| 12 | Write federal/provincial grants for summer youth employment | Tracy | | | | | | | | Completed |
| 13 | Research and establish 2015 event and exhibit schedules | Sherri | | | | | | | | Completed |
| 14 | Plan for Canada's Sesquicentennial with regional Museum Network | Tracy, Sherri | | | | | | | | Completed |
| 15 | Research, develop and install spring/summer exhibits | Tracy, Sherri, CK | | | | | | | | Completed |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: CASTLE KILBRIDE

DATE: August 31, 2015

| | Project | Person Responsible | | | | | | | |
|----|--|----------------------|---|---|---|---|---|---|---------------------------------------|
| | | | J | A | S | O | N | D | |
| 16 | Research, plan and market summer camp programs | Tracy | | | | | | | Completed |
| 17 | Solicit colleges/universities for Internship proposals | Tracy | | | | | | | Completed |
| 18 | Enhance Castle Procedures and Volunteer Training Manuals | Tracy | | | | | | | Completed |
| 19 | Interview, hire and train summer staff for Castle/ Heritage Wilmot | Tracy | | | | | | | Completed |
| 20 | Enhance and circulate Spring curriculum programs to schools | Tracy | | | | | | | Completed |
| 21 | Write Community Museums Operation Grant (CMOG) for museum | Tracy | | | | | | | Completed |
| 22 | Prepare and deliver summer programs and events | Sherri, Tracy | | | | | | | Completed |
| 23 | Review/plan for Junior Volunteer /Community involvement Students | Sherri | | | | | | | Completed |
| 24 | Research, develop and install fall/winter exhibits | Tracy, Sherri | | | | | | | Completed |
| 25 | Plan 2016 budget | Sherri, Tracy | | x | x | x | x | x | |
| 26 | Research and plan draft 2016 special event and exhibit list | Tracy, Sherri, CK | | x | x | x | x | | |
| 27 | Prepare and deliver winter programs and events | Sherri | | | x | x | x | x | |
| | Castle Kilbride Advisory Committee | | | | | | | | |
| 28 | Plan 2015 initiatives with Chairperson from Castle Kilbride | Tracy, CK Chairman | | | | | | | Completed |
| 29 | Coordinate and present new Christmas event | CK Staff & Committee | | | x | x | x | x | |
| 30 | Complete Castle Kilbride book | CK Staff & Committee | x | x | x | x | x | x | In progress; to be completed December |
| 31 | Review Castle Kilbride Museum Policies | CK Staff & Committee | | | | | x | x | |
| | HERITAGE WILMOT | | | | | | | | |
| | Heritage Wilmot Advisory Committee | | | | | | | | |

TOWNSHIP OF WILMOT WORK PROGRAM - 2015

DEPARTMENT: CASTLE KILBRIDE

DATE: August 31, 2015

| | Project | Person Responsible | | | | | | | |
|----|---|------------------------|---|---|---|---|---|---|-----------|
| | | | J | A | S | O | N | D | |
| 32 | Plan 2015 initiatives with Chairperson from Heritage Wilmot | Tracy, HW Chairman | | | | | | | Completed |
| 33 | Plan/assist Doors Open Waterloo Region to promote Wilmot | Tracy, Heritage Wilmot | x | x | x | | | | |
| 34 | Research and plan for a Sir Adam Beck commemorative feature | Tracy, Heritage Wilmot | | | x | x | x | x | |
| 35 | Review Wilmot Walking Tours for 2016 | Tracy, Heritage Wilmot | | | | | x | x | |
| | NEW INITIATIVES | | | | | | | | |
| 36 | Assist with establishing new Castle Lecture Series | CK Staff, CK Chairman | x | x | x | | | | |
| 37 | Assist WRTMC with Attractions Ontario AGM | Tracy, Sherri | | | | | | | Completed |
| 38 | Coordinate microfilm scanning project (Metroland Partnership) | Tracy | | x | x | | | | |



Township of Wilmot **REPORT**

REPORT NO. CL2015-20

TO: Council

PREPARED BY: Barbara McLeod, Director of Clerk's Services

DATE: August 31, 2015

SUBJECT: St. Agatha Drain 2015
Acknowledgement of Revised Drainage Engineer's Report

Recommendation:

1. **THAT** the Revised Drainage Engineer's Report dated August 6, 2015, prepared by J. Kuntze of K. Smart & Associates Inc. for the St. Agatha Drain 2015, serving the following drainage works:
 1. improved drainage outlet for the low area in the south part of the Kraehling Farms Inc property; SE part of Lot 6, Concession NER;
 2. improved drainage outlet for Notre Dame Drive north of Erb's Road;
 3. improved drainage outlet for the low area in the southwest part of the Dietrich property in the E 1/2 Lot 4, Con NER;
 4. improved drainage outlet for the low area in the northwest part of the Haid property in the SE part of Lot 5, Con NER;
 5. improved drainage outlet for the low area on the RJS Farms Ltd. property on the south side of Erb's Road in the northeast part of Lot 5, Concession SER;

be received and further,
2. **THAT** the Open House and Special Council Meeting to Consider the Report be held Tuesday, September 21st, 2015 at 6:00 p.m. at the St. Agatha Community Centre.

Background:

On August 17, 2015, the *revised* Drainage Engineer's Report for the abovementioned municipal drain was filed with the Clerk. The original report (filed in April of 2013) had been initiated as a result of a petition submitted by Robert Kraehling on behalf of Kraehling Farms Inc. and others for an improved drainage outlet for part of Lot 6, Concession NER.

Prior to the Meeting to Consider the Report, an Open House was held May 28, 2013 at the St. Agatha Community Centre to give the high volume of assessed landowners the opportunity to voice their concerns/questions relating to any aspect of the report.

The meeting was well attended and the Engineer responded to the landowners and affected parties at the Open House. Subsequently, Council considered the original Report. Via resolution, Council referred the Report back to the Engineer due to additional requests for drainage outlets from the Dietrich and Haid landowners as well as from the Region of Waterloo Transportation Division. Mr. Kuntze has provided a detailed chronological summary within the Revised Engineer's Report.

Discussion:

Pursuant to the requirements of the Drainage Act, within 30 days of the filing of the Report, copies must be provided to all affected landowners and agencies, along with a Notice to advise all parties of the date when Council will meet to Consider the Report.

The Drainage Engineer will be present on August 31st to respond to any questions from Council, however the detailed review with the landowners and affected parties and presentation of the Report itself will occur at the Meeting to Consider the Report on September 21st in St. Agatha. The recommendation tonight is to receive the filed Report.

A copy of the St. Agatha Drain Engineer's Report is attached hereto.

Staff will provide a summary of associated staff reports, minutes and correspondence for Council's review well in advance of the September 21st Meeting to Consider the Report.

Strategic Plan Conformity:

By proceeding with the requirements of the Drainage Act, Council is supporting the infrastructure within the municipality. Providing an Open House will give the landowners/affected parties an additional opportunity to raise questions/concerns with the Engineer which will ensure that Council is communicating municipal matters to the public

Financial Considerations:

The estimated cost for the St. Agatha Drain is assessed to the lands and roads within the drain watershed as outlined in Schedule A in the Report. Final assessments are not levied until the drainage work is certified as complete by the engineer. The final assessments will be levied to the owners of the identified parcels at the time that the final cost is levied. The final cost of the drain may vary depending on final construction and engineering costs.

In accordance with the provisions of Section 85 of the Drainage Act, a Provincial grant not exceeding 1/3 may be available on the assessments against privately owned parcels of land which are used for agricultural purposes.

Conclusion:

It is recommended that Council receive the Revised St. Agatha Drain 2015 Report prepared by the Drainage Engineer and set the date for the Open House and Consideration Meeting.


Barbara McLeod, Director of Clerk's Services


Reviewed by CAO

ENGINEERING REPORT

for

ST AGATHA DRAIN 2015

Township of Wilmot

Region of Waterloo

August 6, 2015

File No. 08-280

K. SMART ASSOCIATES LIMITED
85 McIntyre Drive, Kitchener, ON, N2R 1H6



K. SMART ASSOCIATES LIMITED

CONSULTING ENGINEERS AND PLANNERS

85 McIntyre Drive, Kitchener, ON N2R 1H6

519-748-1199

August 6, 2015

File No. 08-280

ST AGATHA DRAIN 2015 Township of Wilmot

SUMMARY

This report is prepared pursuant to petitions under Section 4 of the Drainage Act, RSO 1990 submitted to Wilmot Township. The initial petition submitted on May 20, 2008 requested improved drainage outlet for a parcel owned by Kraehling Farms Inc in the SE part of Lot 6, Concession North of Erbs Road (Con NER).

The petition was signed by the following:

- Robert Kraehling on behalf of Kraehling Farms Inc (Roll 8-063) Pt Lot 6, Con NER
- Leonard and Marjorie Haid (Roll 8-012) Pt Lot 6, Con SER
- Leonard and Marjorie Haid (Roll 8-048) Pt Lot 5, Con NER
- Norbert and Laurie Dietrich (Roll 8-046) Pt Lot 4, Con NER

On July 14, 2008 Wilmot Township Council appointed K. Smart Associates Ltd to prepare a report on the petition received. A report dated April 5, 2013 was submitted for the above referenced petition. The 2013 report did not provide for any drain construction upstream to the west and east of the Kraehling Farms parcel (8-063) in Lot 6 on the north side of Erbs Road.

On May 15, 2013 Wilmot Township received a "petition for drainage works by road authority" under Section 4(1)(c) of the Drainage Act signed by the Director of Transportation for the Region of Waterloo. The petition requested drainage outlet for Notre Dame Drive north of Erbs Road and for Erbs Road in the area of the Ditner Award Drain. The Region of Waterloo also requested that the proposed St Agatha Drain on Notre Dame Drive south of Erbs Road be moved outside the road allowance.

On May 15, 2013 Dietrich and Haid presented a written request to the Township to withdraw their names from the original petition. It was determined that Dietrich and Haid wished to have an improved drainage outlet for their properties. They were advised that a new petition would be required to extend the East Branch in the 2013 report upstream to the east.

On May 28, 2013 the April 5, 2013 report was considered by Council. Council referred the report back to the Engineer so that the additional requests for drainage outlet could be addressed by the Engineer.

On June 3, 2013 Council accepted the Region of Waterloo petition and the petitions from Dietrich and Haid. Council directed the Engineer to include these petitions in the St Agatha Drain report.

On October 31, 2013 Robert Kraehling submitted a petition on behalf of RJS Farms Ltd (Roll 8-017-01) for improved drainage outlet for the northeast part of Lot 5, Concession South of Erbs Road. Council directed the Engineer to include the Kraehling petition in the St Agatha Drain report.

The following are the objectives of this report based on the petitions received:

1. Provide an improved drainage outlet for the low area in the south part of the Kraehling Farms Inc property (Roll 8-063). This objective will be achieved by replacing the 1913 Ditner Award Drain with a new tile drain on a new alignment to the east of the residential lots in the southeast part of St Agatha and staying on the east side of the Notre Dame Drive road allowance south of St Agatha. The outlet for the new drain will be in the same location as the existing outlet for the Ditner Award Drain. Along with the Main Drain to replace the Ditner Award Drain the new drain will also consist of three new branch drains: West Branch, East Branch and Strauss Branch. The new branch drains are required to intercept the flow from the west, east and south into the low area on the Kraehling Farms property and direct the flow into the Main Drain.
2. Provide an improved drainage outlet for Notre Dame Drive at a culvert approximately 300m north of Erbs Road in St Agatha. This objective will be achieved by incorporating and improving an existing ditch in an easement from the West Branch proposed in the 2013 report to near the north limits of the parcel identified by Roll 8-064-50 (Blaze Properties Inc) and by incorporating and improving an existing private ditch from the ditch in the easement westerly to the culvert under Notre Dame Drive. The new drain will be known as the Notre Dame Branch.
3. Provide an improved drainage outlet for the low area in the southwest part of the Dietrich property in the E1/2 Lot 4, Concession NER (Roll 8-046). This objective will be achieved by extending the East Branch tile drain proposed in the 2013 report easterly to the low area.
4. Provide an improved drainage outlet for the low area in the northwest part of the Haid property in the south part of Lot 5, Concession NER (Roll 8-048). This objective will be achieved by constructing a new tile drain southerly from the low area to an outlet in the East Branch extension noted above. The new drain will be known as the Haid Branch.
5. Provide an improved drainage outlet for the low area on the RJS Farms Ltd property (Roll 8-017-01) on the south side of Erbs Road in the northeast part of Lot 5. This objective will be achieved by constructing a new pipe drain northerly across Erbs Road to an outlet in the East Branch extension noted above. The new drain will be known as the Kraehling Branch.

All of the above will be known as the St Agatha Drain 2015.

A summary of the proposed St Agatha Drain 2015 is as follows:

Main Drain

9m long gabion basket outlet structure
805m of 750mm diameter solid plastic pipe
18m of 750mm diameter steel smooth wall pipe across Erbs Road
3-900x1200mm concrete junction boxes
2-900x1200mm concrete catchbasins

West Branch

88m of 375mm diameter solid plastic pipe
1-900x1200mm concrete catchbasin with berm
67m of swale grading along Summersfield Lane

Notre Dame Branch

595m of existing ditch/swale to be incorporated with some improvement required

East Branch

206m of 600mm diameter solid plastic pipe
272m of 525mm diameter concrete tile
472m of 250mm diameter solid corrugated plastic tubing

456m of 200mm diameter solid corrugated plastic tubing
1-900x1200mm concrete catchbasin with ditch inlet top and berm
1-900x1200mm concrete catchbasin
1-600x600mm concrete catchbasin with ditch inlet top
2-600x600mm concrete catchbasins
1-600x600mm concrete junction box
Fill low area to provide cover for tile

Strauss Branch

62m of 375mm diameter solid plastic pipe
1-900x1200mm concrete junction box
1-900x1200mm concrete catchbasin with ditch inlet top

Haid Branch

361m of 525mm diameter concrete tile
1-900x1200mm concrete catchbasin with ditch inlet top

Kraehling Branch

32m of 300mm diameter steel pipe by jacking and boring
1-600x600mm concrete catchbasin

The estimated cost of the project is \$577,450

Total length of new drain 3,443m (2,772m closed; 671m open)

The watershed served is approximately 252.4 hectares (624 acres)

Schedule A shows the assessment of the total estimated cost for the St Agatha Drain 2015

Appendix A illustrates in tabular form the calculation of the assessments outlined in Schedule A

Schedule B is the schedule for levying the cost of future maintenance on the St Agatha Drain 2015

Schedule C will be used to levy the final cost of the St Agatha Drain 2015 and indicates estimated net assessments after deducting grants and allowances where applicable

DRAINAGE HISTORY

The following is a summary of the historic drainage records for the area of St Agatha and the petitioning lands to the east of St Agatha. There is no record of a drain being constructed under the Drainage Act in the watershed area for the new drain proposed in this report.

The low area on the Kraehling Farms Inc property (Roll 8-063) was originally provided outlet by the Ditner Award Drain. This drain was constructed under the Ditches and Watercourses Act by an award prepared by C.D. Bowman dated February 19, 1913. The award drain was initiated by a requisition by I. B. Ditner owner of Lot 5, Concession North of Erbs Road. The outlet of the award drain was on the east side of Notre Dame Drive approximately 600m south of the intersection of Erbs Road and Notre Dame Drive (main intersection in St Agatha). As shown on the watershed plan with this report the drain continued west across Notre Dame Drive on a loop northwesterly and northeasterly crossing Notre Dame Drive again approximately 400m south of the main intersection. This portion of the drain was constructed with 250mm (10") diameter concrete tile. The drain continued northerly and easterly crossing Erbs Road approximately 250m east of the main intersection and then northeasterly for approximately 135m (450') to the low area north of the road. This portion of the drain was constructed with 300mm (12") diameter concrete tile. In 1913 the award drain between Notre Dame Drive and Erbs Road crossed through three lots in the southeast part of St Agatha. Currently this route of the drain passes through 6 residential lots and one farm parcel.

The Township of Wilmot has a file for a drain named the St Agatha Drain which was proposed in a report prepared under the Drainage Act by E.W. Shifflet P.Eng., Gamsby and Mannerow Ltd, dated July 5, 1972. The proposed drain was to commence at a storm sewer outlet on the west side of Notre Dame Drive approximately 300m north of the main intersection. The report stated that the existing

storm sewer continued west and south from the outlet to Erbs Road approximately 250m west of the main intersection. The status and exact location of this storm drain is unknown. The 1972 report proposed to construct a 600mm pipe drain east across Notre Dame Drive and for approximately 83m (270') east of the road. The new pipe drain was proposed to outlet into an existing surface swale that continued southwesterly to an outlet into the low area on the Kraehling Farms Inc property. Township records indicate that the drain proposed was not constructed as the 1972 report was not adopted by bylaw in accordance with the Drainage Act process.

Erbs Road from the main intersection east to the area of the Ditner Award Drain crossing has a storm drain system installed at some point in the past during road reconstruction. This storm drain system outlets into the ditch on the south side of Erbs Road in the area of the award drain crossing with no apparent outlet for this drainage. The discharge does not have a direct outlet into the Ditner Award Drain.

A similar storm drain exists on Notre Dame Drive from the main intersection south. This storm drain outlets into the Ditner Award Drain at the northerly crossing on Notre Dame Drive.

Around 2001 a condominium development known as Summersfield Lane took place on a parcel of land on the west side of the Kraehling Farms property north of Erbs Road. The main part of the development was over the surface swale route which provided outlet for the west part of St Agatha as noted in the 1972 St Agatha Drain report. To eliminate the surface flow through the new development a ditch was constructed to intercept the surface swale to the northwest of the development with the ditch continuing east and then south along the boundary of the development parcel. The ditch then outlets into the low area on the Kraehling property. An easement was created for this ditch with the easement registered to the Region of Waterloo. This easement did not continue west to the storm drain outlet on Notre Dame Drive described above. Drainage for the internal street was discharged into an infiltration system with no direct outlet to the low area on the Kraehling Farms property. However, the drainage from the access road into the area of the residential lots was directed to flow onto the Kraehling Farms Inc property.

In 2005 the Township Drainage Superintendent undertook an investigation of the Ditner Award Drain at the request of a residential lot owner on the south side of Erbs Road (Roll 8-011) who was experiencing flooding problems and at the request of the Region of Waterloo due to a lack of outlet for the ditch on the south side of Erbs Road to the east of the above referenced lot. Prior to the investigation the owner of the property south of Erbs Road (Roll 8-012) had filled in a low area on the frontage of the property between the access laneway and the above referenced residential lot. The Ditner Award Drain was located on the line between parcel 8-011 and 8-012 and a catchbasin was installed on the drain at this location so that the operation of the drain could be monitored. The tile in this location contained considerable sediment and did not appear to be functional. The tile was also located on the west side of parcel 8-011. The tile also had considerable sediment at this location. An attempt was made to flush the tile upstream and downstream of this point. Flushing downstream was not successful due to an apparent obstruction approximately 50m downstream. No flow could be established downstream. During the flushing operation it was observed that the flow in the tile tended to go northeasterly upstream? A catchbasin was also installed on the west limits of Parcel 8-011. No significant flow was observed in either catchbasin after installation. Both catchbasins are located in an area of sand subsoil with some gravel. The catchbasins have open bottoms and any water in the catchbasins appeared to infiltrate into the subsoil. During this investigation only a minor discharge was observed at the outlet of the Ditner Award Drain. Since the Ditner Award Drain could not easily be repaired and since the Ditner Award Drain has no status under the Drainage Act the Township Drainage Superintendent concluded the investigation by advising those requiring an improved outlet that a petition would be required under the Drainage Act for a new drain.

A petition signed by Kraehling Farms Inc and others was filed with the Township of Wilmot on May 20, 2008.

ON-SITE MEETINGS

Initial petition - Ditner Award Drain

An on-site meeting for the initial petition was held on November 7, 2008. All landowners along the route of the Ditner Award Drain were notified for this meeting along with the Township, the Region of Waterloo and the Grand River Conservation Authority. A summary of the discussion at the on-site meeting follows:

Kraehling Farms Inc (Roll 8-063 – pt Lot 6, Concession NER)

Robert Kraehling noted that he purchased this parcel of land in 2008 but he had been a tenant farmer on the property since 1969. In the past he has always been able to work the two low areas on his property. In recent years this has not been possible. Surface water from the ditch around the Summersfield Lane development flows into the northwest low hole and creates an erosion path on his field that at times is difficult to cross. Prior to the Summersfield Lane development Robert noted that the surface drainage from the west rarely made it to his property as it would be absorbed into the ground on the wide surface swale that existed. Robert noted that at one time he also rented the land to the west where the development took place and had no problems with cultivation of this land in the area of the surface swale.

Robert noted that he is currently getting considerable surface flow from the east part of the watershed which is also causing an eroded path across his property that is difficult to cross after a runoff event. Recent ditch work had been done on the property to the east to contain the overflow from the large pond on this property. This ditch discharges into his property.

Robert also noted that the storm drain from the Strauss Court residential area on the south side of Erbs Road discharges to the surface on his property. Flow then continues into the southeast low area.

Robert stated that years ago he was aware of the location of the inlet to the Ditner Award Drain as it was protected by a pile of rocks on the south side of the northwest low area. However, since he is no longer able to work the low areas the vegetation has overgrown the inlet area and he can no longer find it. Robert also commented that several years ago, when the Region of Waterloo was attempting to flush the storm drain and catchbasins on Erbs Road in front of the Esso gas station, the inlet to the award drain was readily visible as the flow from the flushing discharged into the low area on his property.

Robert stated that prior to filing the petition he had a contractor commence work on backfilling the southeast low area on his property in an attempt to improve the drainage in this area. He planned on using the large knoll to the southwest of the low area for fill. He was stopped from doing the backfilling by the Grand River Conservation Authority who advised that the low areas are regulated by the Conservation Authority and a permit would be required for the work proposed. Robert stopped work on the backfilling pending the outcome of the report for the new drain.

In summary Robert noted that he requires an improved outlet for the low area on his property. New branch drains will be required to control the runoff entering his property from the east, south and west. He would also like to have the southeast low area filled in.

Upstream landowners

The landowners to the east of the Kraehling property on the north side of Erbs Road that had signed the petition (Haid and Dietrich) indicated that they did not require direct drainage improvements for their properties at this time. They had signed the petition to support an outlet for the Kraehling

property since it is runoff from their properties that flows into the low area on the Kraehling property. Other owners to the east also indicated that they did not need any drainage improvements on their properties at this time.

Residential landowners

A number of the residential landowners south of Erbs Road along the route of the award drain were present at the meeting. Most of the owners were not aware of the tile drain on their property and were currently not experiencing any drainage problems. These owners were concerned about the impact of reconstructing the award drain in its current location across their landscaped properties.

Region of Waterloo

The Region of Waterloo noted that they would like more information on the new drain proposed as they need an improved outlet for Erbs Road drainage.

Grand River Conservation Authority

John Brum, Resource Planner with the Grand River Conservation Authority (GRCA) had provided comments on the proposed improvement to the Ditner Award Drain in a letter to the Township dated August 26, 2008. The letter indicated that portions of the proposed drainage area contain areas of wetland and floodplain. These areas are regulated by GRCA under Ontario Regulation 150/06 (Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation). The letter noted that a new drainage works under the Drainage Act will not require a permit under Ontario Regulation 150/06. GRCA noted that they will follow up on their mandate under the Drainage Act to review and comment on a drain report prepared under the Drainage Act. The letter noted that notice of the drain report would be forwarded by GRCA to the Federal Department of Fisheries and Oceans (DFO) for review under the Federal Fisheries Act. The letter also noted that GRCA discourages the enclosure of watercourses because such work has the potential to have a negative impact within the watercourse and downstream. A map included with the letter outlined the low area on the Kraehling property as a regulated area and outlined a surface watercourse along the route of the Ditner Award Drain south of Erbs Road. This surface watercourse did not appear to connect with the low area on the Kraehling Farms property north of Erbs Road.

Dietrich and Haid petitions

An on-site meeting for the Dietrich and Haid petitions was held on August 22, 2013. All landowners along the route of a potential East Branch extension were notified for this meeting along with the Township, the Region of Waterloo and the Grand River Conservation Authority. A summary of the discussion at the on-site meeting follows:

Norbert Dietrich (Roll 8-046 – Ept Lot 4, Concession NER)

Norbert noted that there is a depressional area in the southwest corner of the farm that has some random tile drainage which outlets into a catchbasin on the north side of Erbs Road. The outlet for this catchbasin is a steel pipe below the road ditch that drains westerly through the height of land at his property line. This steel pipe outlets into the road ditch about 100m west of the property line. The steel pipe was installed over 50 years ago by Waterloo County during a reconstruction of Erbs Road. The steel pipe drain does not provide adequate outlet for the depressional area on his property and should be replaced. The new drain needs to be deeper.

Leonard Haid (Roll 8-048 – SEpt Lot 5, Concession NER)

Len Haid noted that the ditch on the north side of Erbs Road from the east outlets into his property near the southeast corner of the property. There is a catchbasin in this location with an old tile drain that continues northwesterly across his property. This old tile drain was noted on the 1913 Ditner Award Drain plan. As shown on the watershed plan the old tile continued westerly into the Grant

property (Roll 8-053-01) and then southwesterly into the low area on the Kraehling Farms property (Roll 8-063). Len noted that the old tile drain is in poor condition across his property with numerous blowouts along the route of the drain and should be replaced along with the drain improvements for the Dietrich farm to the east.

Len stated that the petition he submitted was to get an outlet for the wet area in the northwest corner of his property. The drainage in this area is very poor since the pond was created on the Grant property to the west. Len noted that he would like a tile drain outlet for the northwest part of his farm.

J. Grant (Roll 8-054) and T. Grant (Roll 8-053-01) – SWpt Lot 5, Concession NER

Wayne Grant spoke on behalf of these properties. Wayne noted that they did not need any drainage improvements on their properties. They want to maintain their pond as is and did not want the new drain construction to interfere with the waterlevel in their pond.

J. P. Bak (Roll 8-047 – SWpt Lot 4, Centre pt Lot 5, Concession NER)

Pierre did not have any drainage outlet concerns with respect to his property.

Region of Waterloo

The Region of Waterloo noted that they did not want the existing pipe in the road allowance that provides outlet for the Dietrich farm replaced within the road allowance. They would prefer that any new tile drain required be constructed outside the road allowance.

G. Keats (Roll 8-045 - Spt Lot 4, Concession NER)

Following the on-site meeting discussion was held with Glen Keats who owned a residential property in the southeast corner of the Dietrich farm on the east side of the laneway into the Dietrich farm. Glen noted that he has a depressional area on his property which has poor drainage. Glen believes that there may have been an old tile that continued westerly from the low area to the catchbasin on the north side of Erbs Road (same catchbasin described in the Dietrich comments above). Glen noted that he would like to construct a new drain from the low area along the frontage of the Dietrich property to the catchbasin. Glen stated that he would construct this drain privately instead of petitioning for an outlet for his property. This drain was subsequently constructed.

Kraehling petition

RJS Farms Ltd (Roll 8-017-01 – Ept Lot 5, Concession NER)

An on-site meeting was held with Robert Kraehling in October 2013 to examine a low area on this property on the south side of Erbs Road. This low area is opposite the catchbasin on the north side of the road that was noted above in the Haid property comments. Robert noted that since a new drain was being proposed on the north side of the road he would like to have a new drain extend south across the road to provide a tile drain outlet for this low area. It was noted that a petition would be required to provide outlet for the low area on the south side of the road. Robert Kraehling filed this petition on October 31, 2013.

Waterloo Region petition - Erbs Road

On June 19, 2013 an on-site meeting was held with Waterloo Region staff to examine the area of Erbs Road in the location where the Ditner Award Drain crossed Erbs Road. As a result of the site examination and discussion it was determined that if the reconstruction of the Ditner Award Drain allowed for a pipe drain connection to be constructed within the road allowance the Region of Waterloo would not require this connection to become a branch to the new drain. At the meeting it was noted that concern had been raised by local landowners that the flow from the culvert across Erbs Road where the Ditner Award Drain crossed was polluted. Region staff indicated that they would investigate this issue.

Waterloo Region petition - Notre Dame Drive

An on-site meeting for the Notre Dame Drive petition was held on August 23, 2013. All landowners along the route of the existing ditch/swale along the east side of the Summersfield Lane and northwesterly to the Notre Dame Drive culvert were notified for this meeting along with the Township, the Region of Waterloo and the Grand River Conservation Authority. A summary of the discussion at the on-site meeting and following the on-site meeting with owners who did not attend the meeting follows:

Kraehling Farms Inc (Roll 8-063 – pt Lot 6, Concession NER)

Robert Kraehling noted that any construction work required to contain the flow from the northwest so that it can be directed into the new tile drain proposed was not to be constructed on his property. Robert stated that improvements would be required to the existing ditch along the west side of his property line as he has observed flow from this ditch outlet into his property well to the north of the proposed location for the new branch drain.

Summersfield Lane

A number of the lot owners on Summersfield Lane were present at the meeting. In general the owners felt the current drainage system was working though some maintenance may be required. It was noted that flooding had occurred a number of years ago when water overflowed from the ditch to the north and tried to follow the original natural flow path through the residential lots. The problem to the north has since been remedied.

R. McKenzie (Roll 8-068 – pt Lot 6, Concession NER)

Rose McKenzie noted that she was pleased that the ditch on her property was finally going to get some attention. She and her husband had petitioned for improvements to the ditch in the 1970s but no action was ever taken - refer to the 1972 St Agatha Drain report in the Drainage History section above. Rose noted that the ditch may need work downstream of her property.

J. Honek (Roll 8-069 – pt Lot 6, Concession NER)

The Honeks noted that they did not have any concern with the ditch on their property at this time.

Region of Waterloo

The Region of Waterloo noted that they want the existing ditch east from the Notre Dame Drive culvert and the ditch in the Region of Waterloo easement incorporated as a branch to the new drain proposed to replace the Ditner Award Drain. Region staff noted that they were not aware of any improvements required at the outlet of the Notre Dame Drive Road culvert or elsewhere downstream.

SITE EXAMINATION AND SURVEY

Initial petition - Ditner Award Drain

Initial site examination and survey was completed along the route of the existing Ditner Award Drain from the outlet on Notre Dame Drive upstream to the low area on the Kraehling property.

The outlet for the award drain tile on the east side of Notre Dame Drive was found to be partially buried and full of sediment. There was no sign of erosion downstream of the tile outlet. It did not appear that there was currently much flow from this outlet. It was observed that the award drain route on the west side of Notre Dame Drive is through a residential lot. It was therefore decided to investigate having the new drain continue south on the east side of Notre Dame Drive. This alternative route would also eliminate two road crossings. Initially it was proposed to construct the new pipe drain below the road ditch on the east side of Notre Dame Drive. Due to trench depth and restricted working space a trench box would have been required for installation. After further discussion with Region of Waterloo staff a route for the new drain on the east side of the east property line for the Notre Dame Drive road allowance was investigated and found to be feasible. A contractor experienced in pipe installation also noted that pipe drain installation in the farm field on

the east side of the road allowance was preferable to installation by trench box next to the travelled surface of Notre Dame Drive and the existing gasoline within the road allowance. Len Haid did not object to the pipe drain being relocated onto his property as long as it was kept as close to the property line as possible.

During the examination of the route of the drain through the residential lots between Notre Dame Drive and Erbs Road it was noted that numerous residential landscape features such as laneways, playground equipment, gardens and numerous shrubs and trees would be disrupted by the drain reconstruction. In the rear of parcel 8-011 where the 2005 investigation had been completed it was observed that the septic tile bed may be over top the route of the award drain and a large storage shed had recently been constructed over top of the drain. The invert of the existing drain was recorded in the two catchbasins that had been installed in 2005 on this property.

Along the route of the drain through the residential area there was no evidence of a watercourse carrying surface flow. The access laneway into parcel 8-003-01 appeared to be on a natural ridge of land. There is no culvert for surface drainage below the laneway and the top of the lane was approximately 1.5m higher than the average ground on either side of the laneway.

On the north side of Erbs Road the original route of the award drain appeared to go through the Esso gas station property (Roll 8-055). The owner of the gas station indicated that they had storage tanks buried in the front of their property and that they had not observed the presence of a tile drain when these tanks were installed. Since it was not possible to construct a new drain through the gas station property the route for the new drain was examined easterly along the south side of Erbs Road to the northeast corner of parcel 8-012 and then north across Erbs Road and northeasterly to the westerly part of the northwest low area on the Kraehling Farms property.

The low area on the Kraehling property was found to be two distinct areas with a ditch having been recently excavated between the two low areas. This ditch was excavated during the start of the work by Robert Kraehling to fill in the southeast low area.

Examination and profile survey was completed easterly through the low areas to the east limits of the Kraehling property where drainage from the east entered the property. Midway between the east edge of the southeast low area and the east property line an outlet for a 250mm (10") diameter tile drain from the east was observed with flow from the tile discharging into the southeast low area.

After the survey was completed a profile was prepared for the existing Ditner Award Drain route as described above.

The following observations are from this profile:

- The lowest point is in the northwest low area on the Kraehling property at elevation 383.20
The Ditner Award Drain outlet is at elevation 384.70
Approximately 125m downstream of the tile outlet the ground surface on the Haid property is at elevation 383.20
- The lowest point in the southeast low area is elevation of 383.60 though the bottom of the southeast area had been deepened by topsoil removal during the start of the backfilling work
It appeared that the original bottom of the southeast low area may have been approximately elevation 384.00
- The average ground elevation at the edge of the cropped field around the west hole is elevation 385.50 making the west hole approximately 2.3m (7.5') deep relative to the edge of the field
- The average ground elevation in the field west of the hole and at Erbs Road is elevation 388.0, 4.8m (16') higher than the bottom of the northwest hole

- The low point on Erbs Road is in front of Summersfield Lane at elevation 389.30 - 6.1m (20') higher than the bottom of the northwest low area.
- Therefore before overland flow can occur downstream from the lands north of Erbs Road water would have to pond to elevation 389.30 to overflow Erbs Road
- The access laneway on parcel 8-003-01 is at elevation 389.85 which is slightly higher than Erbs Road, therefore even if water overflowed Erbs Road ponding would occur at this access laneway and the waterlevel would have to increase a further 0.5m before overland flow could continue downstream of the laneway on parcel 8-003-01
- The award drain tile in the catchbasin on the line between parcel 8-011 and 08-12 has an invert elevation of 386.32
- Based on information in the 1913 Award the estimated invert elevation of the inlet to the award drain in the west part of the northwest low area on the Kraehling property would be elevation 386.50 which is 3.3m (11') above the lowest point in the northwest low area
- The average depth of the existing award drain between Erbs Road and the access laneway to parcel 8-003-01 is approximately 2m (6.5')
- It was noted that the tile outlet into the east hole with an invert elevation of 385.60 is approximately 0.9m (3') lower than the estimated invert elevation of the inlet to the Ditner Award Drain tile at 386.50

As a result of the above analysis it was concluded that the Ditner Award Drain was installed to provide an overflow outlet for the low area on the Kraehling property since no overland flow route existed. The 1913 Ditner Award Drain plan indicated a network of tile drains extending easterly from an outlet into the east side of the low area on the Kraehling property. It is apparent from the above analysis that these tile drains could not be connected directly to the Ditner Award Drain since the award drain was higher than the outlet of the easterly tile drains.

A site examination was also completed on the surface drainage flow path from the outlet of the Ditner Award Drain tile downstream. The surface flow path continues southerly and then westerly to a crossing of Notre Dame Drive approximately 500m south of the Ditner Award Drain outlet. Along this route there was no evidence of surface erosion due to surface flow and as a result there was no evidence of a defined surface watercourse. The culvert under Notre Dame Drive was found to be 450mm diameter. The culvert was partially buried with little evidence of any significant flow through this culvert. The survey and examination then continued southwesterly from Notre Dame Drive for an additional 675m into a wooded area in the south part of Lot 7, Concession SER. There was no evidence of surface flow or evidence of a watercourse carrying surface flow on this length of the survey and examination. When the survey downstream of the award drain was plotted in profile it was noted that there is approximately 4.5m of fall from the ground at the award drain outlet to the ground at the east end of the Notre Dame culvert. From the east end of the Notre Dame culvert to the end of the survey in the woodlot there is an additional 6m of fall.

Initial drain depth and drain route

After examination of the profile for the Ditner Award Drain route and the topographic survey around the low area on the Kraehling property it was determined that the new drain could be approximately 1m lower than the estimated elevation for the award drain. Invert elevation for the new drain at the northwest low area would be elevation 385.65. This depth will allow for a tile drain from the east watershed to be connected to the new drain. The initial grade downstream was set at 0.1%. At this grade and starting invert elevation the new drain will be 3m (10') deep through the residential area south of Erbs Road and would require a 4.5m (15') cut below the access laneway into parcel 8-003-01. It was determined that an alternate route for the new drain should be investigated as constructing the new drain along the existing route through the residential area would pose too great a disruption

to the residential lands. Restoration costs would substantially increase the cost of the drain installation.

Site examination for alternate drain route

Site examination was completed from the proposed Erbs Road crossing south through what appeared to be several low lying areas on the east part of the Haid parcel (Roll 8-012) to a low area approximately 250m south of Erbs Road and then westerly to Notre Dame Drive to match the original survey route at the northerly award drain crossing on Notre Dame Drive. This route traverses cultivated land. A profile survey was completed along this route. From this profile it was determined that the normal field depth for the 250m south from Erbs Road would be approximately 2.5m. There is a maximum cut of 4.3m (same ridge that the access laneway to parcel 8-003-01 is constructed on) but this cut can be made in the middle of a cultivated field. On the route west to Notre Dame Drive there is an additional cut of 4m but this is on a farm lane surrounded by cultivated land. The alternate route was considered to be a more practical alignment for the new drain.

Dietrich petition

In the report for the initial petition a new East Branch drain was proposed easterly across the Kraehling property from the upstream end of the new drain to replace the Ditner Award Drain. The East Branch was intended to provide outlet for the existing tile that was outletting into the east hole on the Kraehling property. Following the on-site meeting for the Dietrich and Haid petitions a route was examined to extend the East Branch upstream to the low area on the Dietrich property. A route was selected on the Grant properties to stay to the south of the existing pond. An option was surveyed to determine if the East Branch upstream of the pond could outlet into the pond but this option was determined to not be feasible without lowering the waterlevel in the pond. The route for the East Branch on the west part of the Haid property followed an existing surface drainage path. When this route was compared to the drain line shown on the 1913 Ditner Award Drain plan it appeared to be south of that line. However, a tile blowout was observed along the survey route at the west limits of the Haid property so it is likely that route selected on the west part of the Haid farm is following the old tile on the property. On the east part of the Haid farm the route for the new drain did follow the route of the old tile which was easily identified by the numerous blowouts over the old tile. The new drain route then continued easterly approximately 3m north of the north limits of the road allowance to near the center of the frontage of the Bak property. At this point the new drain route will angle away from the road property line directly into the lowest point of the depressional area on the Dietrich farm. The ground elevation for the new drain route on the Bak-Dietrich linefence was found to be the same as the ground elevation on the north side of Erbs Road. The new drain route north of the road allowance was selected as the Region of Waterloo had requested that a new drain not be constructed within the road allowance. During the site examination it was observed that it would not be practical to reconstruct the existing steel pipe drain in the road allowance as the existing drain passes between the legs of a large steel hydro line tower opposite the Bak-Dietrich linefence. From the low point on the Dietrich property the drain route was continued south to the catchbasin on the existing steel pipe drain on the north side of Erbs Road.

Haid petition

From the on-site examination it was determined that a tile outlet for the north part of the Haid property should follow a route that would go through the center of the pond on the Grant property similar to a line shown for an existing tile drain on the 1913 Ditner Award Drain plan. However, a route was surveyed from the proposed East Branch at the west limits of the Haid property northerly generally along the west limits of the Haid property. A new tile drain can be constructed on this route to provide a tile drain outlet at the north limits of the Haid property. During the site examination it was noted that a ditch had been dug on the Bak property along the north limits of the Haid property. This ditch drains westerly but has no outlet. The Haid Branch will provide an outlet for this ditch.

Kraehling petition

Survey was continued north across Erbs Road from the East Branch survey in the southeast corner of the Haid property into the low area on the south side of the road on RJS Farms Ltd property.

Waterloo Region petition - Erbs Road

As noted above the final route selected for the new drain to replace the Ditner Award Drain crosses Erbs Road approximately 80m east of the point at which the Ditner Award Drain crosses Erbs Road. A survey was completed in the ditch on the south side of Erbs Road between these two points. From this survey it was determined that a pipe drain could be constructed within the south part of the road allowance from the existing Ditner Award Drain crossing easterly to the new Main Drain crossing. The new Main Drain grade would be deep enough to provide an outlet for the Erbs Road branch. This information was presented to the Region and they indicated that a branch drain along the south side of Erbs Road did not need to be included as part of the proposed new drain in this report.

Waterloo Region petition - Notre Dame Drive

Site examination and survey was completed on the existing ditch/swale in the Region of Waterloo easement to near the north limits of the parcel identified by Roll 8-064-50. The survey and site examination then continued westerly to the Notre Dame Drive culvert following the existing overland flow path and private ditch. The existing ditch in the 6m wide easement along the east edge of the Summersfield Lane residential lots appeared functional with a bottom grade of 1.8% (1.8' fall per 100'). The ditch cross-section is a 0.5m bottom and 3:1 bank slope (3' of slope for each foot of depth). The ditch has an average depth of 0.5m (1.5') except over the first 75m of ditch where the depth decreases to zero in the area of the catchbasin proposed for the West Branch. North of the residential lots the ditch follows the edge of a woodlot in the south part of parcel 8-064-50. Along the east side of the woodlot it was noted that the ditch is overgrown with brush for a distance of approximately 18m. Across the north side of the woodlot the ditch is well defined and deep where it crosses through a height of land - ditch depth at this point is approximately 2.8m (9'). A culvert crossing was noted in the ditch just north of the bend where the ditch continues north. The culvert provides access for parcel 8-065 (St Agatha Catholic School) to parcel 8-064-50 which is used as a playground and sportsfield for the school. The 6m wide Waterloo Region easement continues to the north limit of parcel 8-064-50. However the defined ditch ends approximately 30m south of the north property line. From this point westerly for approximately 35m no defined ditch or watercourse was observed. At the Notre Dame Drive culvert there is a defined ditch that continues easterly along the south limits of the Honek property (8-069) for approximately 40m. There was good flow in this ditch with a free discharge from the road culvert. There was some woody debris in the channel that should be removed. The ditch then continues south into the McKenzie property (8-068). The fence between the two properties had trapped debris which was causing some flow backup in the channel upstream. The ditch continues through the northeast corner of the McKenzie property for approximately 21m. The ditch on this interval is rock lined which was likely required since the ditch has 4.0% grade on this interval. The ditch continues for approximately 6m east from the McKenzie property line before discharging into a depressional area in a small wooded area. At the time of the site examination and survey there was no obvious overflow from the depressional area. There was some evidence of previous overflow easterly to the ditch in the Waterloo Region easement.

AREA REQUIRING DRAINAGE & SUFFICIENCY OF PETITIONS

As a result of the on-site meeting discussion and site examination the following was determined for each petition.

Initial petition - Ditner Award Drain

The area requiring drainage was determined to be the low area on the south part of the Kraehling Farms property (Roll 8-063) in the SE part of Lot 6, Concession NER. The petition signed by Robert Kraehling on behalf of Kraehling Farms Inc. is valid under Section 4(1)(a) and 4(1)(b) as the petition represents 100% of the area requiring drainage.

Dietrich petition

The area requiring drainage was determined to the depressional area on the southwest part of the Dietrich farm (Roll 8-046) in the E part of Lot 4, Concession NER. The petition signed by the Dietrichs is valid under Section 4(1)(a) and 4(1)(b) as the petition represents 100% of the area requiring drainage.

Haid petition

The area requiring drainage was determined to the low area with no drainage outlet in the northwest part of the Haid property (Roll 8-048) in the SE part of Lot 5, Concession NER. A portion of the area requiring drainage is also located on the Bak property (Roll 8-047) on the north side of the north limits of the Haid property. The petition signed by the Haid is valid under Section 4(1)(b) as the petition represents greater than 60% of the area requiring drainage.

Kraehling petition

The area requiring drainage was determined to be the low area on the south side of Erbs Road on the RJS Farms property (Roll 8-063) in the NE part of Lot 5, Concession SER. The petition signed by Robert Kraehling on behalf of RJS Farms Inc. is valid under Section 4(1)(a) and 4(1)(b) as the petition represents 100% of the area requiring drainage.

Waterloo Region petition - Erbs Road and Notre Dame Drive

Section 4(1)(c) of the Drainage Act notes that a person having jurisdiction over a road may file a petition where a drainage works is required for such road or part thereof. As a result of site meeting discussion and site examination it has been determined that the two areas of Region of Waterloo roads described on the petition do require a drainage works to provide an outlet for road drainage. Therefore the petition signed by the Region of Waterloo Director of Transportation is valid under Section 4(1)(c) of the Drainage Act.

WATERSHED DESCRIPTION

The watershed for the proposed new drains was established by reviewing available topographic maps and on-site examination. The west part of the watershed is the entire built-up area of St Agatha except for the residential development on the extension of St Ann Drive to the north. The balance of the watershed is under cultivation for agriculture except for the Strauss Court residential area and a number of small residential lots along Erbs Road and Wilby Road.

DESIGN CONSIDERATIONS

Drain size

The low area on the Kraehling property in Lot 6, Concession NER does not have a natural overland flow route unless water would pond to elevation 389.30 at which point overflow could occur on Erbs Road. During the topographic survey around the low area on the Kraehling property it was recorded that the low point on Summersfield Lane is elevation 388.34 halfway between Erbs Road and the parking area. The average elevation of the parking area is elevation 389.20. The road elevation in front of the first two residential lots is elevation 388.78. Therefore, in the event of an extreme flood event the low point on Summersfield Lane would have 1m of standing water on the access portion and 600mm of standing water at the first two residential lots before overflow would occur on Erbs Road. When the Ditner Award Drain was working and providing an overflow outlet for the low area Robert Kraehling reported that the current extensive flooding did not occur. The current flooding gets closer and closer to flowing into the low areas on Summersfield Lane and is flooding larger

areas of Kraehling's cultivated land. On March 22, 2011 the water level in the low area was at elevation 387.74 which was within 600mm of going over Summersfield Lane.

During the site investigation the waterlevel in the low area on the Kraehling property was monitored over several months in the spring of 2009 and 2011. It was noted that when the overland flow into the low area ceases the waterlevel will drop quickly in the low area and by early summer the low area will be dry. In 2009 from March 27 to May 25 the waterlevel dropped 2.3m from elevation 385.70 to 383.42. In 2011 from March 22 to June 16 the waterlevel dropped 3.5m from elevation 387.74 to 384.2. By July 4 there was no standing water, a drop of 4.5m (15') from the March 22 level. During this time period there was no evidence of flow through the Ditner Award Drain. The drop in waterlevel is due to a high rate of infiltration into the sand/gravel subsoil in this area. The sandy subsoil through most of the watershed results in reduced runoff rates during storm events.

Therefore a conventional storm drain design is not required to provide outlet for the low area. The proposed new drain size was evaluated using the Drainage Coefficient design criteria outlined in the Drainage Guide for Ontario. The Drainage Coefficient is a measure of the amount of runoff that the drain can remove from the upstream watershed in a 24 hour period. The new pipe drains were designed for a 25mm (1") Drainage Coefficient for the west watershed and a 12.5mm (1/2") Drainage Coefficient for the east watershed.

Preliminary design calculations indicated a minimum 600mm diameter pipe for the new Main Drain to replace the Ditner Award Drain downstream of Erbs Road.

Drain materials

The following applies to the Main Drain to replace the Ditner Award Drain and to the West Branch, the Strauss Branch and the East Branch up to Station 206:

Due to the depth of the new drain a heavy duty double wall plastic pipe is recommended. Due to the sandy subsoil the new pipe will be solid with sealed joints.

To allow infiltration along the route of the drain any new catchbasins or junction boxes will be constructed with an open bottom and placed on stone bedding. The catchbasins on the award drain in 2005 were installed in this manner and it was noted that bottom of the catchbasins was always dry during no flow and during low flow most of the flow would infiltrate.

The following applies to Branch C upstream of Station 206 and the Haid Branch:

Where the grade is 0.2% or less concrete field tile are recommended.

Where the grade is 1% or greater solid corrugated plastic tubing is recommended. Where flatter grades exist upstream of a 1% or greater grade the solid corrugated plastic tubing shall be used.

All catchbasins and junction boxes shall have a base unit with a floor.

For the Kraehling Branch to be installed by jacking and boring the pipe material will be steel smooth wall pipe. The catchbasin shall have base unit with a floor.

Outlet for drain

Two options were considered for the outlet for the new drain.

Option 1 - outlet at existing award drain outlet

With an outlet invert elevation of 385.65 in the low area on the Kraehling property and with 0.1% grade downstream it would possible to outlet the new pipe drain to the ground surface at the same location and elevation as the existing Ditner Award Drain on the east side of Notre Dame Drive. In this option the new pipe drain would outlet into the north end of a 9m long gabion basket structure on the boundary between Notre Dame Drive and the Haid property (Roll 8-012). The objective of the outlet structure is to create a stilling basin that will absorb the pipe discharge and create sheet overflow on the east side of the structure to the ground surface on the Haid property. The existing

Ditner Award Drain outlet and the surface culvert across Notre Dame Drive will also discharge into the outlet structure.

Option 2 - continue downstream from existing outlet

An alternative was provided to continue a tile drain downstream from the award drain outlet location to an outlet in the wooded area 300m southwest from Notre Dame Drive. A similar outlet structure would then be required at the new outlet location. Concrete field tile can be used for this option since the drain would be installed at a normal depth of 1.5m and a smaller drain size is possible as the drain grade will vary from 0.6% to 1% which provides the smaller drain size with a flow capacity to match the upstream pipe drain capacity at 0.1% grade.

Erbs Road watermain

During the investigation for this report it was determined that the Region of Waterloo was proposing to construct a new watermain along Erbs Road to provide improved water supply for St Agatha. Due to the depth of the new pipe drain below Erbs Road there was no potential elevation conflict with the proposed watermain.

SECOND SITE MEETINGS

Initial petition - Ditner Award Drain

On August 17, 2010 a second on-site meeting was held at the Wilmot Township office for the initial petition. Notice for this meeting was sent to all landowners directly affected by the proposed drain along with the Region of Waterloo and the Conservation Authority. Many other landowners within the watershed of the drain also attended the meeting. At the meeting the results of the investigation to-date were presented along with preliminary cost estimates and assessments for the following options:

Main Drain Extension Downstream

In this option a new tile drain would continue downstream from the current Ditner Award Drain outlet to an outlet in the woodlot area 675m southwest from Notre Dame Drive using 400mm to 525mm diameter concrete field tile.

Preliminary estimated cost \$86,500

Main Drain

600mm diameter pipe drain from the existing award drain outlet to the low area on the Kraehling property following the alternate route through the east part of the Haid property.

Preliminary estimated cost \$256,000

West Branch

450mm diameter pipe drain from the Main Drain northwesterly to the ditch on the Summersfield Lane property with a ditch inlet catchbasin to direct ditch flow into the pipe drain.

Preliminary estimated cost \$16,500

East Branch

450mm and 400mm diameter pipe drain from the Main Drain east to the east limits of the Kraehling property with a catchbasin to direct flow from the east watershed into the pipe drain. For this branch drain to be constructed it was noted that east part of the low area will need to be backfilled. The cost of backfilling the low area was not included in the cost estimate. The cost for backfilling the hole would be assessed to the Kraehling property. The backfilling work should not be done until the Main Drain tile outlet is constructed to provide an overflow outlet. The option also included a Strauss Branch which would be a 375mm diameter pipe drain from the East Branch south to the culvert that provides outlet for the storm drain on Strauss Court.

Preliminary estimated cost \$37,000

Following the second site meeting further discussion was held with Leonard Haid the owner of the property downstream of the outlet of the Ditner Award Drain. Mr. Haid indicated that he did not wish to have a tile drain constructed downstream across his property.

As a result of follow-up site examination it was determined that a swale was required along the east side of Summersfield Lane from the West Branch south to direct runoff from the road surface to the West Branch drain.

As noted in the on-site meeting summary the Region of Waterloo was also looking for an improved outlet for the Erbs Road storm drain system. Following the second site meeting a draft report was provided to the Region of Waterloo for further input on completing the Erbs Road crossing and the requirements for connecting the Erbs Road storm drain. The Region of Waterloo expressed interest in an improved outlet for the Erbs Road storm drain and having the existing easement drain around Summersfield Lane incorporated as part of the St Agatha Drain. It was noted to the Region that a petition from the Region would be required to make the above requests part of the St Agatha Drain. As noted in the Summary section at the beginning of the report this petition was submitted on May 15, 2013 after the report on the initial petition had been filed with the Township.

Dietrich and Haid Petitions

On June 24, 2014 a second on-site meeting was held for the Dietrich and Haid petitions. Notice for this meeting was sent to all assessed landowners directly affected by the proposed drain along with the Region of Waterloo and the Conservation Authority. At the meeting the results of the investigation to-date were presented along with preliminary cost estimates and assessments for the following Branch drains:

East Branch

Continuation of the East Branch from the Kraehling property upstream to the Dietrich property following the route described above under site examination and survey to be 525mm diameter concrete tile down to 200mm diameter solid corrugated plastic tubing at the upstream end.

Preliminary estimated cost \$76,000

Haid Branch

525mm diameter concrete tile from the East Branch north along the west limits of the Haid property to the north limits of the property.

Preliminary estimated cost \$28,870

Kraehling Branch

300mm diameter steel smooth wall pipe installed by jacking and boring across Erbs Road.

Preliminary estimated cost \$14,955

The owners present at the meeting were in general agreement with the new drains proposed.

ENVIRONMENTAL CONSIDERATIONS

GRCA Comments 2008

Watercourse enclosure

The August 26, 2008 GRCA letter identified a watercourse along the approximate route of the Ditner Award Drain south of Erbs Road along with a regulated area along this watercourse. The letter notes that GRCA discourages the enclosure of watercourses and lists a number of negative impacts that result from the enclosure of a watercourse.

Response

As noted in the Ditner Award Drain site examination and survey section starting on page 8, no evidence of a surface watercourse was found along the route identified by GRCA. It is also noted above that the majority of the new drain proposed does not follow the watercourse identified on the map with the August 2008 letter. Therefore the proposed new drain cannot be considered as an enclosure of a watercourse and the negative impacts listed in the letter are not applicable to the proposed St Agatha Drain.

Wetland and floodplain area

The August 26 letter notes that the low area on the Kraehling property is identified as a regulated wetland and floodplain area.

Response

It is recognized that the low area on the Kraehling property is a natural depressional area that collects runoff from the watershed area that drains to the low area. There does not appear to be an overland flow route from this low area as noted previously. The new drain will provide an overflow outlet for the northwest low area. When the capacity of the new pipe drain is exceeded watershed runoff will continue to flow into the northwest low area. The proposed new drain is not deep enough to completely drain the northwest low area and as such will not fully remove the water detention and infiltration capability of the entire low area. The loss of storage area resulting from backfilling the southeasterly low area will be compensated for by the overflow outlet provided by the new drain.

The August 26, 2008 GRCA letter requested an opportunity to review the proposed new drain when additional design and construction details were available. Following the second site meeting on the initial petition a draft report was submitted to GRCA in October 2011 to obtain further input on addressing any concerns from the Conservation Authority.

GRCA Comments 2012

The Conservation Authority provided further comment in a letter dated February 17, 2012.

St Agatha Wetland Complex

In this letter the Conservation Authority noted that the wetland area (area requiring drainage) on the Kraehling property is approximately 0.8ha and is part of the St Agatha Wetland Complex, a locally significant wetland, which consists of 14 individual wetland areas with a total area of approximately 16ha. The Conservation Authority expressed concern over the alteration to the low area on the Kraehling property as a result of the proposed new drain. The Conservation Authority suggested that an environmental impact study should be undertaken to address the wetland impact concerns raised.

Response

As outlined above, that the proposed new drain will not drain the northwest low area, only provide an overflow outlet for the area. The recommended new drain does require that the southeast low area be backfilled to provide cover for the tile on the East Branch. The area to be backfilled represents approximately 2% of the St Agatha Drain Wetland Complex. The Branch drains proposed are to deal with surface drainage problems on the cultivated portions of the Kraehling property outside of the defined wetland area and as such are not directly related to the defined wetland area.

The Conservation Authority did not request an environmental impact study in accordance with Section 6 of the Drainage Act when the original petition was submitted to the Conservation Authority in 2008.

Floodplain Impacts

The Conservation Authority continued to express concern about flooding impact by the proposed backfilling of the southeast low area on the Kraehling property.

Response

Hydrologic and hydraulic modelling was undertaken for the two low areas on the Kraehling property. The model was first run based on existing conditions with the only outflow being infiltration to provide a baseline for comparison. The model was then run with the southeast hole filled to elevation 386.90 and with the outflow provided by the new 750mm diameter pipe drain. The proposed condition did not create an increase in flood levels in the low areas on the Kraehling property. Storage in the southeast low area is not totally lost since berms are proposed at the upstream ends of the East and West Branches to hold back surface flow on the upstream property until the capacity of the new pipe drain is exceeded. At this point overflow will be into the storage

available in the northwest low area. As noted above, the provision of an overflow outlet for the northwest low area on the Kraehling property helps to eliminate the potential for flooding on the Summersfield Lane residential area and other properties in the area since no overland flow route exists for this low area.

Drainage Considerations

The February 2012 letter suggested that consideration be given to promoting infiltration along the route of the drain through the use of perforated pipe.

Response

The use of perforated pipe in land drainage is intended for the infiltration of water **into** the pipe. No significant exfiltration will occur on a perforated pipe drain under gravity flow conditions which is the design criteria for the proposed St Agatha Drain. Infiltration conditions are proposed for all catchbasins along the route of the drain and infiltration will continue at and downstream of the St Agatha Drain outlet.

GRCA Comments 2013

The Conservation Authority provided further comment in a letter dated May 28, 2013.

The letter did acknowledge that the proposed new drain would not impact a surface watercourse downstream of Erbs Road. The letter continued to express concern on the wetland/floodplain impact on the Kraehling property on the north side of Erbs Road. The letter contained the following conclusion: *"The proposed drainage works does not meet GRCA policies for development within a wetland and/or floodplain. We would recommend that other alternatives be pursued in the design of the drainage works that does not involve the removal of a wetland area and backfilling of a floodplain area."*

Response

The GRCA concern for the proposed St Agatha Drain appears to center on the work proposed on the East Branch and the fill being placed in the southeast low area on Kraehling property to permit the construction of the East Branch. GRCA has indicated that alternatives should be considered in the design of the drainage works. The GRCA letter did not offer any suggested alternatives.

The only possible alternative to meet the requirements set out in the GRCA letter would be to outlet the 525mm diameter East Branch tile into the southeast low area on the Kraehling property.

Section 15 of the Drainage Act states: *Subject to Section 32, every drainage works constructed under this Act shall be continued to a sufficient outlet.*

The definitions in Section 1 of the Drainage Act state: *sufficient outlet means a point at which water can be discharged safely so that it will do no damage to lands and roads.*

The petitioner on the initial petition has indicated that the current discharge of surface flow and tile drainage flow into his property is causing damage to his property. The petitioner is not willing to accept the outlet of the Branch C tile on his property.

Therefore the above alternative outlet for Branch C cannot be considered under the Drainage Act since such an outlet would not address the requirements for sufficient outlet under the Drainage Act. In order to meet the requirements of the Drainage Act the Branch C drain must be constructed in accordance with the recommendations outlined below.

FINAL DESIGN CONSIDERATIONS

Following the second site meeting and further field investigation on the drain proposed for the initial petition further design analysis was completed.

West Branch

- Design grade set at 1.3%
- 25mm Drainage Coefficient for the 49ha watershed requires a 375mm diameter pipe drain

East Branch

- Design grade at 0.125% in order to provide outlet for extension of the East Branch upstream of the Kraehling property
- 12.5mm Drainage Coefficient for the 165ha watershed requires a 600mm diameter drain

Main Drain

- The combined flow from the East & West Branch drains then requires a 750mm diameter pipe drain at 0.125% grade
- To provide increased capacity in the 750mm diameter pipe drain after crossing Erbs Road the grade is increased to 0.165% from Erbs Road to Notre Dame Drive and then 0.2% grade along Notre Dame Drive
- The invert elevation at the junction of the East and West Branches was lowered to 385.40
- The 750mm pipe will outlet inside the gabion basket outlet structure instead of over the top of the outlet structure
- During peak flow the outlet will be partially submerged in the outlet structure

RECOMMENDED WORK

As a result of the discussion at the site meetings, the on-site examination and the design considerations the following work is recommended to provide an improved outlet for the areas requiring drainage in the petitions that have been submitted:

Main Drain

L. Haid (Roll No.8-012) and Notre Dame Drive (Region of Waterloo)

Station 606 to 615

- 9m long gabion basket outlet structure at the outlet of the new pipe drain on the property line between Notre Dame Drive and the Haid property
- This structure is mostly within the Notre Dame Drive road allowance and is located at the outlet of the existing Ditner Award and a surface culvert which will discharge into the outlet structure

Station 615 to 813

- 198m of 750mm diameter solid plastic pipe on and to the east of the east limits of the road allowance for Notre Dame Drive - see alignment on Drawing 5
- 900x1200mm concrete junction box for the bend in the drain route
- 900x1200mm concrete catchbasin in place of the existing catchbasin on the Ditner Award Drain on the east side of Notre Dame Drive, connect to junction box with 12m of 450mm diameter solid plastic pipe

L. Haid (Roll No.080-012)

Station 813 to 1+330

- 517m of 750mm diameter solid plastic pipe - see alignment on Drawing 2
- 900x1200mm concrete junction box for the change in drain direction to the north

Erbs Road (Region of Waterloo)

Station 1+330 to 1+348

- 900x1200mm concrete catchbasin on south side of road with 600mm diameter knockout in west wall for future connection from west and 300mm knockout in south wall
- 18m of 750mm diameter steel smooth wall pipe by jacking and boring

Kraehling Farms Inc. (Roll No.080-063)

Station 1+348 to 1+438

- 90m of 750mm diameter solid plastic pipe
- 900x1200mm concrete junction box for outlet of East and West Branches

East Branch

Kraehling Farms Inc. (Roll No.080-063)

Station 000 to 206

- Backfill low area to elevation 386.9 using on-site earth borrow
- 206m of 600mm diameter solid plastic pipe
- 900x1200mm concrete catchbasin with ditch inlet top on property line including berm along property line

J. Grant (Roll No. 8-054) & T. Grant (Roll No. 8-053-01)

Station 206 to 478

- 272m of 525mm diameter concrete tile - see Drawing 2 for alignment

L. Haid (Roll No. 8-048)

Station 478 to 950

- 900x1200mm concrete catchbasin
- 472m of 250mm diameter solid corrugated plastic tubing
- 600x600mm concrete catchbasin, remove and dispose of existing catchbasin

Station 950 to 995

- 45m of 200mm diameter solid corrugated plastic tubing - refer to notes on Drawing 13 for alignment

J. Bak (Roll No. 8-047)

Station 995 to 1+307

- 312m of 200mm diameter solid corrugated plastic tubing - refer to notes on Drawing 13 for alignment, fence removal and replacement and tree removal
- 600x600mm concrete catchbasin

N. Dietrich (Roll No. 8-046)

Station 1+307 to 1+406

- 99m of 200mm diameter solid corrugated plastic tubing
- 600x600mm concrete junction box to accommodate change in direction
- 600x600mm concrete ditch inlet catchbasin in same location as existing catchbasin

Strauss Branch

Kraehling Farms Inc. (Roll No.080-063)

Station 000 to 062

- 62m of 375mm diameter solid plastic pipe
- 900x1200mm concrete junction box for connection to East Branch
- 900x1200mm concrete catchbasin with ditch inlet top and connection to road culvert

Haid Branch

L. Haid (Roll No. 8-048)

Station 000 to 361

- 361m of 525mm diameter concrete tile
- 900x1200mm concrete catchbasin with ditch inlet top

Kraehling Branch

Erbs Road (Region of Waterloo)

Station 000 to 032

- 32m of 3000mm diameter steel smooth wall pipe installed by jacking and boring.
- 600x600mm concrete catchbasin

West Branch

Kraehling Farms Inc. (Roll No.080-063)

Station 000 to 088

- 88m of 375mm diameter solid plastic pipe

Waterloo Common Elements (Roll No.8-064-10)

Station 088 to 155

- 900x1200mm concrete catchbasin with berm constructed along property line
- 67m of swale graded along east side of Summersfield Lane and north to new catchbasin
- Swale and berm to be sodded after grading

Notre Dame Branch

Station 000 to 595

- Existing ditch/swale and culvert to be incorporated - no work required except as noted below

Station 000 to 466

- Existing 6m easement noted as parts 1-13 on 58R-1315 to remain in place
The registered easement document should be amended to transfer the ownership of the easement from the Region of Waterloo to the Township of Wilmot. The easement document should be further amended to reflect that drain within the easement is to be maintained in accordance with the Wilmot Township bylaw that adopts this report

(Roll No.8-064-10 to 20)

Station 000 to 075

- 75m of swale excavation, excavated material to be used for berm construction or hauled away, swale to be sodded

Waterloo Common Elements (Roll No.8-064-10)

Station 157 to 175

- Clear ditch cross-section of brush and fallen tree limbs, pile in woodlot on west bank

Blaze Properties Inc (Roll No.8-064-50)

Station 466 to 528

- 62m of swale excavation, level excavated material and seed swale, minor clearing required

R. McKenzie (Roll No.8-068)

Station 534 to 555

- Remove debris from channel, move rock debris to side to create 0.5m wide channel bottom
Access to be from downstream property

J. Honek (Roll No.8-069)

Station 555 to 595

- Remove debris on upstream side of fence, remove debris from channel
Need for excavation to be determined at time of construction

Construction Specifications

Further detail on the recommended work is outlined on the Drawings attached to the report. Specific construction specifications for the above recommended work is outlined on Drawing 13 and 14 and on the profile drawings. General construction specifications are outlined on Drawing 14.

Construction Scheduling

Construction cannot commence until after the statutory requirements of the Drainage Act have been satisfied and a bylaw to adopt this report is given third reading. If there are no appeals construction can usually commence after the Court of Revision, which is approximately two months after the date of this report. Appeals under the procedures in the Drainage Act could result in a later starting date as no construction can take place until all appeals are settled. Once construction commences, if the work is proceeded with continuously, it should be completed in approximately 30 working days.

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

Utilities

The only locations where underground or overhead utilities should be expected would be for work within the Erbs Road and Notre Dame Drive road allowances. During site examination and survey a gasline along the east side of Notre Dame Drive was located. This gasline should not conflict with the installation of the new drain. Due to the depth of the Main Drain below Erbs Road no utility conflict is expected. For the Kraehling Branch the new pipe is to be below the watermain. Gasline to be located at time of construction to determine if there will be a conflict.

The Contractor will be required to have all utilities located prior to construction.

If any owner is aware of underground private utilities, they should make the Engineer aware of such prior to construction.

Permits

The Conservation Authority has indicated that a permit will not be required under Ontario Regulation 150/06 (Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation).

A permit will be required from the Region of Waterloo for any work within the road allowances for Erbs Road and Notre Dame Drive.

During the preparation of this report there was no indication that any other permits would be required for the construction of the recommended drainage work.

WATERSHED PLAN

The location of the St. Agatha Drain 2015 and the affected properties are shown on Drawings 1 and 2 included with this report. The heavy solid lines indicate the locations of the proposed drain to be constructed or incorporated. The numbers adjacent to the line are station numbers which indicate in metres the distance along the drain measured from the outlet. The heavy dashed line indicates the approximate watershed boundaries for the drain and the thin dashed lines indicate sub-watershed limits. The plan also shows other existing drains, property boundaries and Township assessment roll numbers for each property.

PROFILES AND OTHER DRAWINGS

The profiles for the St Agatha Drain 2015 are on Drawings 3 and 7-10. Each profile shows the depth and grade of the proposed drain. The upper dashed line represents the existing ground level. The lower heavy solid line indicates the grade for the proposed drain. The numbers above the ground line indicate the depth in metres from ground surface to the drain grade. Drawings 4 and 5 contain construction details for the work along Notre Dame Drive at the outlet end of the drain. Drawing 6 contains detail for the drain north of Erbs Road. Drawings 11 and 12 contain cross-sections for the Notre Dame Branch. Drawings 13 and 14 contain specific and general construction specifications.

COST ESTIMATE

The cost estimate on this project consists of allowances to owners, construction cost, engineering cost and non administrative municipal cost.

The cost estimate is set out in detail in the following sections:

Allowances

Section 29 of the Drainage Act provides for payment of allowances for right of way to landowners whose land is located within the cross-section of a ditch. Allowance for right of way applies to the Notre Dame Branch and the West Branch from Station 088 to 155. An easement for drainage was established as part of the development of the Summersfield Lane residential area. The existing ditch/swale and any improvements required are within this previously established easement or right of way. Therefore on the West Branch and the Notre Dame Branch from Station 000 to 466 allowance for right of way is not required. On the Notre Dame Branch from Station 466 to 595 allowance for right of way is provided along the existing ditch. Allowance was calculated based on a 6m width and using a rate of \$10,000 per hectare.

Section 30 of the Drainage Act provides for the payment of allowances to landowners along the drain for damages caused to lands and crops by the construction of the drain. The allowance for damage to lands and crops was calculated at a rate of \$1500 per hectare for agricultural lands within the construction working area on each property.

Section 31 of the Drainage Act provides for payment of an allowance to an owner on whose property an existing drain is to be incorporated as part of the new drain. This allowance would apply to the Notre Dame Branch where the existing ditch/swale is to be incorporated as part of the St Agatha Drain. The allowance for incorporating the existing ditch/swale from Station 000 to 466 was set at \$7,000 (\$15/m). This total was divided approximately equally to the Summersfield Lane residential block and to parcel 8-064-50. The allowance to the Summersfield Lane residential block was divided equally to the 19 parcels (8-064-10 to 8-064-46) in this block - \$200 per parcel. The allowance for incorporating the existing culvert on the parcel 8-064-50 was set at \$500. The allowance for incorporating the existing ditch on parcel 8-068 and 8-069 was set at \$5/m for the length of ditch on each parcel.

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

The allowances payable to the owners entitled thereto are as follows:

| Roll No. 080 | Owner | Main Dr | West Br | Notre Dame Branch | | | East Br | Strauss Br | Haid Br | Kraehling Br | TOTAL |
|------------------|-----------------------------|------------|------------|-------------------|-------|---------|---------|---------------|---------|-----------------|-----------|
| | | 30 | 30 | 29 | 30 | 31 | 30 | 30 | 30 | 30 | |
| -008-012-00 | L. Haid | \$3,600 | | | | | | | | | \$ 3,600 |
| -008-017-01 | RJS Farms Ltd | | | | | | | | | \$ 100 | \$ 100 |
| -008-046-00 | N. Dietrich | | | | | | \$ 300 | | | | \$ 300 |
| -008-047-00 | J. Bak | | | | | | \$ 900 | | \$ 100 | | \$ 1,000 |
| -008-048-00 | L. Haid | | | | | | \$1,500 | | \$1,100 | | \$ 2,600 |
| -008-053-01 | T. Grant | | | | | | \$ 500 | | | | \$ 500 |
| -008-054-00 | J. Grant | | | | | | \$ 600 | | | | \$ 600 |
| -008-063-00 | Kraehling Farms Inc | \$ 500 | \$ 300 | | \$200 | | \$ 300 | \$ 100 | | | \$ 1,400 |
| -008-064-10 | Waterloo Common Elements | | \$ 100 | | | \$ 200 | | | | | \$ 300 |
| -008-064-12 | W. Van Der Eijk | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-14 | G. Glaubitz | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-16 | L. Hart | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-18 | J. Beitz | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-20 | B. Feeney | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-22 | J. Wahl | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-24 | J. Reid | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-26 | G. Dietrich | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-28 | A. Dietrich | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-30 | S. Harrold | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-32 | L. Kelly | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-34 | E. Erb | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-36 | M. McLean | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-38 | R. Landriault | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-40 | E. Dietrich | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-42 | A. Moses | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-44 | D. Powell | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-46 | I. Kelly | | | | | \$ 200 | | | | | \$ 200 |
| -008-064-50 | Blaze Properties Inc | | | \$400 | \$250 | \$3,700 | | | | | \$ 4,350 |
| -008-068-00 | R. McKenzie | | | \$150 | \$ 50 | \$ 100 | | | | | \$ 300 |
| -008-069-00 | J. Honek | | | \$250 | \$ 50 | \$ 200 | | | | | \$ 500 |
| TOTAL ALLOWANCES | | \$4,100 | \$ 400 | \$800 | \$550 | \$7,800 | \$4,100 | \$ 100 | \$1,200 | \$ 100 | \$ 19,150 |

Construction Cost Estimate

The estimated cost to construct the proposed drain is outlined in the following section.

The Contractor is to supply all labour, equipment and materials to construct the following:

| Interval | Work Description | Cost |
|---------------------------------|--|------------------|
| <u>Main Drain</u> | | |
| 606 to 615 | Gabion basket outlet structure | \$ 9,000 |
| 615 to 813 | 198m of 750mm diameter solid plastic pipe | 54,500 |
| 813 | 900x1200mm concrete junction box | 1,800 |
| | 900x1200mm concrete catchbasin | 2,200 |
| | 18m of 450mm diameter solid plastic pipe to connect catchbasin | 1,000 |
| 813 to 1+074 | 261m of 750mm diameter solid plastic pipe | 61,300 |
| 1+074 | 900x1200mm concrete junction box | 1,800 |
| 1+074 to 1+330 | 256m of 750mm diameter solid plastic pipe | 60,200 |
| 1+330 | 900x1200mm concrete catchbasin | 4,000 |
| 1+330 to 1+348 | 18m of 750mm dia steel smooth wall pipe by jacking and boring | 22,500 |
| 1+348 to 1+438 | 90m of 750mm diameter solid plastic pipe | 20,300 |
| 1+438 | 900x1200mm concrete junction box | 1,800 |
| | Subtotal Main Drain | \$240,400 |
| <u>West Branch</u> | | |
| 000 to 088 | 88m of 375mm diameter solid plastic pipe | \$ 4,800 |
| 088 | 900x1200mm concrete catchbasin with berm | 3,800 |
| 088 to 155 | 67m of swale along Summerfield Lane, sod restoration | 3,100 |
| | Subtotal West Branch | \$ 11,700 |
| <u>Notre Dame Branch</u> | | |
| 000 to 075 | 75m of channel excavation, sod restoration | \$ 3,400 |
| 157 to 175 | Clear brush from 18m of channel | 300 |
| 466 to 528 | 62m of swale excavation, levelling, seeding, clearing | 3,100 |
| 532 to 595 | Clear debris from 63m of channel | 1,300 |
| | Subtotal Notre Dame Branch | \$ 8,100 |
| <u>East Branch</u> | | |
| 080 to 160 | Backfill low area using on-site earth borrow | \$ 15,000 |
| 000 to 206 | 206m of 600mm diameter solid plastic pipe | 24,700 |
| 206 | 900x1200mm concrete catchbasin with berm | 3,000 |
| 206 to 478 | 272m of 525mm diameter concrete tile with joint wrap | 16,800 |
| 478 | 900x1200mm concrete catchbasin | 2,500 |
| 478 to 950 | 472m of 250mm diameter solid corrugated plastic tubing | 15,100 |
| 950 | 600x600mm concrete ditch inlet catchbasin | 2,000 |
| 950 to 1+250 | 300m of 200mm diameter solid corrugated plastic tubing | 7,500 |
| 1+123 | 600x600mm concrete catchbasin | 1,800 |
| 1+250 to 1+350 | 100m of 200 mm diameter solid corrugated plastic tubing | 3,000 |
| 1+350 to 1+406 | 56m of 200 mm diameter solid corrugated plastic tubing | 1,400 |
| 1+381 | 600x600mm concrete junction box | 1,200 |
| 1+406 | 600x600mm concrete ditch inlet catchbasin | 1,800 |
| | Subtotal East Branch | \$ 95,800 |
| <u>Strauss Branch</u> | | |
| 000 | 900x1200mm concrete junction box | \$ 1,600 |
| 000 to 062 | 62m of 375mm diameter solid plastic pipe | 3,400 |
| 062 | 900x1200mm concrete ditch inlet catchbasin | 2,000 |
| | Subtotal Strauss Branch | \$ 7,000 |
| <u>Haid Branch</u> | | |
| 000 to 361 | 361m of 525mm diameter concrete tile | \$ 18,100 |
| 361 | 900x1200mm concrete ditchinlet catchbasin | 2,000 |
| | Subtotal Haid Branch | \$ 20,100 |

| | | |
|--------------------------------|--|------------------|
| <u>Kraehling Branch</u> | | |
| 000 to 032 | 32m of 300mm diameter steel pipe by jacking and boring | \$ 9,600 |
| 032 | 600x600mm concrete catchbasin | 1,500 |
| | Subtotal Kraehling Branch | \$ 11,100 |
| | Subtotal Construction | \$394,200 |
| <u>Contingencies</u> | | |
| | 12 tile connections | 600 |
| | 60m of pipe on stone bedding in unstable subsoil | 2,400 |
| | Lump sum for miscellaneous | \$25,000 |
| | Sub Total Contingencies | \$ 28,000 |
| | Sub Total Construction | \$422,200 |
| | Net HST (1.76%) | \$7,430 |
| | Total Construction Cost Estimate | \$429,630 |

Engineering Cost Estimate

Report Preparation - Initial petition

Set up file, research background information, prepare for and attend on-site meeting, site examination and survey, prepare plan and profile drawings, drain design, prepare cost estimate and assessments, prepare for and attend second site meeting, write report, complete assessment schedules, complete drawings

Total Report Preparation \$ 52,100

Geotechnical investigation for subsoil conditions \$4,500

Backhoe investigation during site examination and survey \$ 500

Meetings

Attend Council meeting to consider report \$ 1,000

Report Preparation - Additional petitions

Prepare for and attend on-site meetings, site examination and survey, prepare plan and profile drawings, drain design, prepare cost estimate and assessments, prepare for and attend second site meeting, update report, update assessment schedules, update drawings

Total Report Preparation \$ 34,900

Meetings

Attend Council meeting to consider report \$ 1,000

Attend Court of Revision \$ 1,000

Construction Phase Services

Prepare tender documents and tender call, review tenders, attend pre-construction meeting, periodic construction inspection, payments, final inspection, post construction follow-up, final cost analysis, prepare and sign grant application

Total Construction Phase Services \$ 23,725

Sub Total Engineering **\$ 118,725**

Net HST Estimate (1.76%) 2,095

TOTAL ENGINEERING COST ESTIMATE **\$ 120,820**

The cost for report preparation is usually not altered at the conclusion of a project unless the report is referred back or the report is appealed to the Drainage Tribunal which would result in additional costs. The amount shown for meetings is an estimate. Final cost will be based on the actual time required for meetings. The estimate shown for construction phase services is based on past experience and assumes good construction conditions and a Contractor who completes the

construction in an efficient manner. The final cost for the construction phase will vary as per the actual time spent during and following drain construction.

Non-Administration Cost Estimate

Section 73 of the Drainage Act directs that the administrative cost incurred by the municipality in carrying out the Drainage Act process shall not form part of the final cost of the drain. However, Section 73(1) outlines that the following non-administrative costs incurred by the municipality can be included in the cost of the drain:

cost of any application, reference or appeal and the cost of temporary financing

The non-administration cost estimate is included to cover items listed in Section 73 of the Drainage Act as eligible drain costs.

Applications and references

An estimate is provided for permits that may be required for construction of the drain.

Appeals

The estimate does not include an amount for legal or engineering fees incurred by the municipality should the project be appealed beyond the Court of Revision though such costs will form part of the final drain cost if there are appeals.

Temporary Financing

The estimate does include an amount for interest charges on financing the project until it is completed. The estimate for this financing is based on a past record of interest charges and assumes that a project will be completed within one year of the report filing.

Printing and postage

The OMAFRA Agricultural Drainage Infrastructure Program policy for the 1/3 grant indicates that municipal cost for photo-copying and mailing required to carry out the required procedures under the Drainage Act can be included as a non-administrative cost on a drain. The estimate includes an amount for the above municipal costs.

| | |
|--|----------------|
| Permits | \$1,000 |
| Interest charges | 3,850 |
| Printing reports, tender documents, postage | <u>3,000</u> |
| Total Non-Administrative Cost Estimate: | \$7,850 |

Estimated Cost Summary

| | |
|-----------------------------|-------------------|
| Allowances | \$ 19,150 |
| Construction | 429,630 |
| Engineering | 120,820 |
| Administration | <u>7,850</u> |
| TOTAL ESTIMATED COST | \$ 577,450 |

ASSESSMENTS

The Drainage Act requires that the total estimated cost be assessed to the affected lands and roads under the categories of benefit (Section 22), outlet liability (Section 23), injuring liability (Section 23), special benefit (Section 24) and special assessment (Section 26). On this project assessments for Benefit, Special Benefit, Outlet Liability and Special Assessment are involved.

The method of calculating the assessments is illustrated in Appendix A which has been included with the report following Schedule A. Appendix A divides the drain into intervals. The estimated cost for each of these intervals is then determined. The first step in the assessment calculation is to apply

benefit, special benefit and special assessments, if applicable, to the affected lands and roads in each of the drain intervals. After deducting the total benefit and special assessments from the interval cost, the balance of the cost is then assessed as outlet liability on a per hectare basis to all lands and roads in the watershed. As noted, the hectares affected are adjusted prior to calculating the outlet liability. The basis for this adjustment is 1 hectare of cleared agricultural land contributing both surface and subsurface water to the drain. Areas which generate greater runoff such as residential lots and roads are increased by a factor of 1.5 to 3.0 and areas which generate lesser runoff such as woodlots and/or low areas are decreased by a factor of 0.5.

Benefit assessments were determined as follows:

Main Drain

Notre Dame Drive - Region of Waterloo

The benefit assessment to Notre Dame Drive was divided between the portion of the road north and south of Erbs Road.

For Notre Dame Drive south the benefit assessment was determined as follows:

\$10,000 - for improved direct outlet

\$20,000 - for benefit by cut-off (diversion of flow away from old award drain on west side of road)

\$20,000 - elimination of two road crossings

For Notre Dame Drive north:

\$16,000 - for improved outlet provided for drain extension to Notre Dame Drive north

Erbs Road - Region of Waterloo

The benefit assessment to Erbs Road was divided between the portion of the road east and west of Notre Dame Drive.

\$25,000 for improved direct outlet for Erbs Road east

\$10,000 for improved outlet provided for Erbs Road west

L. Haid (Roll # 8-012)

\$16,000 for improved direct outlet to two subwatershed areas

\$ 5,000 for improved drainage along the route of the drain

Kraehling Farms Inc (Roll #8-063)

\$34,000 for improved direct outlet

Other lands and roads

Lands west of Notre Dame Drive along the route of the Ditner Award Drain were assessed a benefit by cut-off ranging from \$100 to \$1,000 related to the length of the old drain on the parcel.

Lands east of Notre Dame Drive along the route of the Ditner Award Drain were also assessed a benefit by cut-off ranging from \$800 to \$950.

All parcels in the built up area of St Agatha were assessed a benefit ranging from \$150 to \$180 for improved outlet provided.

Each street in the built up area was assessed \$3,300 for improved outlet.

West Branch

Kraehling Farms Inc (Roll #8-063)

\$1,000 for improved drainage along the drain route

Summersfield Lane (Roll # 8-064 -10 to 8-064-46)

\$1,000 to the access road parcel and \$300 to each of the lots for improved direct outlet
The access road parcel (8-064-10) was assessed a special benefit of \$3,000 for the swale work along the road. If the owner of the road parcel would elect to complete the swale work with their own forces then the \$3,000 special benefit would be deleted. If the swale work remains as part of the drain construction contract the special benefit will be prorated with other final costs.

Other lands and roads

\$25 for improved outlet to all parcels in the built up area of St Agatha.
\$300 to each street in the built up area for improved outlet.
\$1,000 each to Notre Dame Drive north and Erbs Road west for improved outlet.

Notre Dame Branch

Notre Dame Drive - Region of Waterloo

\$5,000 - for improved direct outlet

Summersfield Lane (Roll # 8-064 -10 to 8-064-46)

\$300 to the access road parcel and \$300 to each of the lots for improved direct outlet

Notre Dame Assets Inc (Roll #8-064)

\$1,000 for benefit by cut-off

Blaze Properties Inc (Roll #8-064-50)

\$2,500 for improved drainage along the drain route and for crossing provided
\$2,500 for improved direct outlet

Waterloo District Catholic School Board (Roll #8-065)

\$1,000 for improved direct outlet

R. McKenzie (Roll #8-068)

\$1,025 for improved direct outlet

J. Honek (Roll #8-069)

\$1,025 for improved direct outlet

Other lands and roads

\$50 for improved outlet to all parcels in the built up area of St Agatha.
\$600 to each street in the built up area for improved outlet.

East Branch

Kraehling Farms Inc (Roll #8-063)

\$1,000 for improved direct outlet
\$6,000 for improved drainage along the drain route

A special benefit of \$12,000 was assessed for backfilling the low area along the route of the East Branch and the Strauss Branch. The special benefit is 80% of the estimated cost for the work. If the owner would elect to complete the work with their own forces the special benefit would be deleted. If the backfilling remains as part of the drain construction contract the special benefit will be prorated with other final costs.

Strauss Court (Roll # 8-014 -03 to 8-014-14)

For outlet provided for Strauss Branch
\$6,000 - Strauss Court
\$300 - each parcel on Strauss Court

Erbs Road - Region of Waterloo

\$3,000 - for improved outlet for Strauss Branch watershed area
\$8,500 - for improved direct outlet for upper East Branch watershed area

J. Grant (Roll # 8-054)

\$2,500 - for improved direct outlet
\$7,000 – for improved drainage along drain

T. Grant (Roll # 8-053-01)

\$2,500 - for improved direct outlet
\$7,000 – for improved drainage along drain

L. Haid (Roll # 8-048)

\$6,000 - for improved direct outlet
\$6,000 - for improved drainage along drain

RJS Farms Ltd. (Roll # 8-017-01)

\$1,500 - for improved direct outlet

J. Bak (Roll # 8-047)

\$4,000 - for improved direct outlet
\$6,000 - for improved drainage along drain

N. Dietrich (Roll # 8-046)

\$7,500 - for improved direct outlet

K. Asselin (Roll # 8-045)

\$300 - for improved outlet

E. Remers (Roll # 8-044)

\$100 - for improved outlet

J. Nedeljkovich (Roll # 8-043)

\$100 - for improved outlet

Strauss Branch

Kraehling Farms Inc (Roll #8-063)

\$1,000 for improved drainage along the drain route

Erbs Road - Region of Waterloo

\$2,500 - for improved direct outlet

Strauss Court (Roll # 8-014 -03 to 8-014-14)

For improved outlet provided
\$2,500 - Strauss Court
\$300 - each parcel on Strauss Court

Haid Branch

T. Grant (Roll # 8-053-01)

\$6,000 - for benefit by cutoff

L. Haid (Roll # 8-048)

\$2,000 - for improved direct outlet

\$9,000 - for improved drainage along drain route

J. Bak (Roll # 8-047)

\$2,000 - for improved direct outlet

Kraehling Branch

Erbs Road - Region of Waterloo

\$1,500 for improved direct outlet

R J S Farms (Roll # 8-017-01)

\$1,500 for improved direct outlet

Special Assessments

In accordance with Section 26 of the Drainage Act, a public utility or road authority is to be assessed a special assessment for the increased cost that results from the presence of the utility or road.

Calculation of the special assessments are outlined in the table below. The equivalent drain cost is the normal cost to construct the equivalent length of drain within the road allowance or utility right of way. When the equivalent drain cost is deducted from the normal cost, the owner of the road or utility is thus paying for the increased cost caused by the existence of the road or utility. The final special assessment will be determined after construction by inserting the actual construction and Engineering cost in the table below. The road authority or utility could elect to construct the drain within their right of way with their own forces. In this case the special assessment would be calculated by inserting zero for the cost of the work in the table below.

The following table illustrates the calculation of the Special Assessments:

| Location | Owner | Cost of Work | minus equivalent drain cost | plus Engineering cost | plus Net HST (1.76%) | Special Assessment |
|---------------------|-----------------|--------------|-----------------------------|-----------------------|----------------------|--------------------|
| Main Drain | | | | | | |
| Notre Dame Dr | Waterloo Region | 54,500 | 45,825 | 12,000 | 365 | 21,040 |
| Erbs Road | Waterloo Region | 22,500 | 4,230 | 4,000 | 390 | 22,660 |
| Kraehling Br | | | | | | |
| Erbs Road | Waterloo Region | 9,600 | 800 | 2,000 | 190 | 10,990 |

Assessment Summary

The assessments against the affected lands and roads are summarized in Schedule A. In Schedule A each parcel of land assessed has been identified by the Assessment Roll Number for the municipality at the time of the preparation of this report. The size of each parcel was established using the assessment roll information. For convenience only, each parcel is further identified by the owner's name from the last revised assessment roll.

FINAL COST

Final assessments are not levied until the work is certified complete by the engineer. The final assessments will thus be levied to the owner of the identified parcel at the time that the final cost is levied. Schedule C will be used to prorate the final cost of the drain which may vary depending on final construction and engineering costs.

GRANTS

In accordance with the provisions of Section 85 of the Drainage Act, a grant not exceeding 1/3 may be available on the assessments against privately owned parcels of land which are used for agricultural purposes. Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) policy states that lands can be designated as agricultural and thus eligible for the 1/3 grant provided the current assessment roll information for the municipality identifies that at least 85% of the assessed parcel area has the Farm Property Tax Class. Based on the assessment roll information reviewed during the preparation of this report the assessed parcels that have the Farm Property Tax Class and are thus eligible for the 1/3 grant at this time are identified with an "F" in the Concession (Con) column of Schedules A and C. Section 88 of the Drainage Act provides for the municipality to apply for this grant upon certification of completion of the drain provided for in this report. However, the Township must confirm that the Farm Property Tax Class is still in effect on the assessed parcels at the time the grant application is completed and submitted to OMAFRA. Please be advised that OMAFRA retains the final right to determine eligibility under the grant program policy, regardless of the designation herein.

Schedule C illustrates the net assessments after deducting grants from the final assessments. Please note that Schedule C assumes that all project costs will be eligible for the 1/3 grant and that the identified properties will retain the Farm Property Tax Class in the future.

The Harmonized Sales Tax (HST) will apply to most costs on this project. The municipality is eligible for a 98.24% refund on HST paid. The net 1.76% HST has been included in the cost estimate in the report.

MAINTENANCE

After completion the St Agatha Drain 2015 shall be maintained by Wilmot Township with the cost of maintenance to be assessed to lands and roads upstream of the area of maintenance prorata with the assessments in Schedule B. Schedule B is divided into columns to reflect the different drain intervals upon which maintenance work may be undertaken. These column intervals assist in identifying upstream lands and roads to be assessed for future repairs. The assessments shown are based on the cost of the drain from Appendix A. The percentages shown assist in identifying the share of future maintenance cost to be levied to a property. For example, an assessment of 30% would indicate a future maintenance assessment of \$30 on each \$100 of maintenance cost.

The West Branch column indicates that the maintenance assessments apply to the interval from Station 000 to 088. This interval shall include the catchbasin and berm at Station 088. For the interval south along the entrance road (Station 088 to 155) future maintenance cost shall be assessed 100% to parcel #8-064-10.

The Special Benefit assessment to parcel #8-063 on the East Branch does not apply for future maintenance and has been removed from the maintenance assessment in Schedule B.

Special Assessments do not apply for future maintenance. Future structural repair or replacement of the pipe drains across Erbs Road shall be assessed to the road authority.

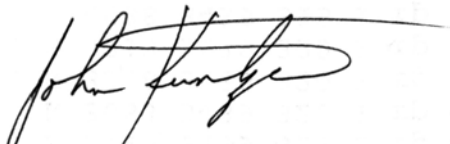
All parties affected by the St Agatha Drain 2015 are encouraged to periodically inspect the drain once constructed and report any visible or suspected problems to the Township. Repeated inspection and maintenance of the drain should allow the drain to provide a service for many years. A right-of-way along the drain route which is equal to the working area described in the specifications shall be available for any future maintenance. Where required an owner must provide an access route for the Township to undertake repairs or maintenance to the drain in the future.

In accordance with Section 85 of the Drainage Act, a grant not exceeding 1/3 may also be available in the future on the maintenance assessment against privately owned parcels of land used for agriculture if the maintenance is done on the recommendation and supervision of the Drainage Superintendent and provided that the Farm Property Tax class designation is on the property at the time of the grant application for the maintenance work.

CHANGES TO DRAIN AFTER BYLAW IS PASSED AND BEFORE COST IS LEVIED

Changes, deletions or extensions to the drain proposed in this report that are requested or required after the bylaw is passed cannot be undertaken unless the report is amended. Exceptions would be minor changes in construction in accordance with contract conditions and items listed in the contingency allowance section of the cost estimate which may exceed the quantities listed and may cause the cost to increase beyond the construction estimate. The cost of minor changes to the drain and the increased cost from the contingency items may be prorated against some or all assessments as directed by the Engineer. If any individual or group of owners require additional work on the proposed drain and are prepared to pay for such, they may make their own arrangements with the Contractor to have such work constructed. The Engineer should pre-approve such additions. The work added would not form part of the drain for the purpose of future maintenance.

All of which is respectfully submitted,
K. SMART ASSOCIATES LTD.



John Kuntze, P.Eng.



Schedule A Page 1 of 15

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**Schedule A - Schedule of Assessments
ST AGATHA DRAIN 2015 Township of Wilmot**

| | | | | Main Drain | | | | West Branch | | | | Notre Dame Branch | | | | East Branch | | | | Strauss Branch | | | | Haid Branch | | | | Kraehling Branch | | | | Grand | |
|--|-----|-------------|-------------------------|----------------|-------------|------------|-----------|-------------|-------------|------------|-----------|-------------------|-------------|------------|-----------|-------------|-------------|------------|-----------|----------------|-------------|------------|-----------|-------------|-------------|------------|-----------|------------------|-------------|------------|-----------|----------|---------|
| Con | Lot | Roll No. | Name | Parcel size ha | ha affected | Benefit \$ | Outlet \$ | Total \$ | ha affected | Benefit \$ | Outlet \$ | Total \$ | ha affected | Benefit \$ | Outlet \$ | Total \$ | ha affected | Benefit \$ | Outlet \$ | Total \$ | ha affected | Benefit \$ | Outlet \$ | Total \$ | ha affected | Benefit \$ | Outlet \$ | Total \$ | ha affected | Benefit \$ | Outlet \$ | Total \$ | |
| N.E.R. | 7 | -009-062-00 | K. Huras | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-063-00 | G. Langer | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-064-00 | M. Straus | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-064-10 | M. Lee | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-065-00 | J. Solberg | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-066-00 | A. Dubrick | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-067-00 | W. Tschirhart | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-068-00 | P. Hessler | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-069-00 | D. Neugebauer | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-070-00 | A. Anderson | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-071-00 | R. Heimpel | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-072-00 | J. Young | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-073-00 | J. Kroetsch | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-074-00 | M. Facchini | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-075-00 | D. & H. Shantz | 0.2 | 0.2 | 180 | 132 | 312 | 0.2 | 25 | 11 | 36 | 0.2 | 50 | 28 | 78 | | | | | | | | | | | | | | | | 426 | |
| N.E.R. | 7 | -009-076-00 | G. Brotharas | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-077-00 | R. Carothers | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-078-00 | M. Healey | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-079-00 | G. Dietrich | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-080-00 | D. O'Dea | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-081-00 | D. Eby | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-082-00 | J. Jacky | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-083-00 | B. & J. Stemmler | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-084-00 | D. Rola | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-085-00 | D. Roth | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-086-00 | L. Hurlbut | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-086-01 | M. Baulk | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-086-02 | Wilmot Township | 0.6 | 0.3 | 180 | 99 | 279 | 0.3 | 25 | 8 | 33 | 0.3 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-087-00 | P. Goodyear, H. Zeigler | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-088-00 | B. Bast | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-089-00 | D. Maue | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-090-00 | D. Hiemer | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-091-00 | D. Gueguen | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-092-00 | D. Purdy | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-093-00 | S. Houtsma | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-110-00 | A. Sararas | 2.3 | 1.8 | | 595 | 595 | 1.8 | | 49 | 49 | 1.8 | | 126 | 126 | | | | | | | | | | | | | | | | 770 | |
| F N.E.R. | 7 | -009-110-01 | A. Straus | 10.5 | 0.4 | | 132 | 132 | 0.4 | | 11 | 11 | 0.4 | | 28 | 28 | | | | | | | | | | | | | | | | 171 | |
| N.E.R. | 7 | -009-112-00 | W. Snyder | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-113-00 | D. Kittel | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-114-00 | B. Stemmler | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-115-00 | S. Atkinson, M. Shaw | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-116-00 | M. Okum | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-117-00 | O. Ferber | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| N.E.R. | 7 | -009-118-00 | D. Carroll | 0.2 | 0.2 | 180 | 99 | 279 | 0.2 | 25 | 8 | 33 | 0.2 | 50 | 21 | 71 | | | | | | | | | | | | | | | | 383 | |
| N.E.R. | 7 | -009-119-00 | N. Peterson | 0.1 | 0.1 | 180 | 66 | 246 | 0.1 | 25 | 5 | 30 | 0.1 | 50 | 14 | 64 | | | | | | | | | | | | | | | | 340 | |
| Total Assessments on Lands: | | | | | 241.0 | 86,740 | 84,457 | 171,197 | 44.9 | 12,625 | 1,767 | 14,392 | 38.9 | 18,600 | 3,193 | 21,793 | 160.5 | 72,800 | 39,978 | 112,778 | 1.9 | 4,300 | 957 | 5,257 | 100.6 | 19,000 | 9,503 | 28,503 | 0.9 | 1,500 | 296 | 1,796 | 355,716 |
| Notre Dame Drive | | | | | 2.5 | 66,000 | 1,767 | 67,767 | 1.6 | 1,000 | 130 | 1,130 | 1.6 | 5,000 | 333 | 5,333 | | | | | | | | | | | | | | | | 74,230 | |
| Special Assessment to Notre Dame Drive | | | | | | 21,040 | | 21,040 | | | | | | | | | | | | | | | | | | | | | | | | 21,040 | |
| Erbs Road | | | | | 5.3 | 35,000 | 5,213 | 40,213 | 1.0 | 1,000 | 90 | 1,090 | 1.0 | | 213 | 213 | 3.3 | 11,500 | 4,209 | 15,709 | 0.2 | 2,500 | 171 | 2,671 | | | | | 1.6 | 1,500 | 1,579 | 3 | |

| ESTIMATED COST | | | | Main Drain | | | | | | | | | | | | | | | | | | West Branch | | | Notre Dame Branch | | | | | | | | | | | |
|--------------------------------|----------|--------|----------|------------|----------|----------|--------------|----------|--------|----------------|----------|--------|----------------|----------|--------|----------------|----------|--------|------------|----------|--------|-------------|----------|--------|-------------------|----------|--------|------------|----------|--------|--|--|--|--|-------|--|
| | | | | INTERVALS | | | | | | | | | | | | | | | | | | Total | | | 000 to 155 | | | INTERVALS | | | | | | | Total | |
| | | | | 606 to 813 | | | 813 to 1+074 | | | 1+074 to 1+330 | | | 1+330 to 1+348 | | | 1+348 to 1+438 | | | 000 to 466 | | | | | | | | | 466 to 595 | | | | | | | | |
| Allowances | | | | 1,200 | | | | 1,200 | | | | 1,200 | | | | 500 | | | | 4,100 | | 400 | | | | 7,900 | | 1,250 | | 9,150 | | | | | | |
| Construction | | | | 74,385 | | | | 68,585 | | | | 65,430 | | | | 24,015 | | | | 261,215 | | 12,820 | | | | 4,070 | | 5,395 | | 9,465 | | | | | | |
| Engineering | | | | 26,050 | | | | 16,485 | | | | 14,960 | | | | 5,495 | | | | 69,505 | | 4,170 | | | | 6,105 | | 4,475 | | 10,580 | | | | | | |
| Non Administrative | | | | 1,395 | | | | 1,200 | | | | 1,100 | | | | 400 | | | | 4,590 | | 270 | | | | 200 | | 100 | | 300 | | | | | | |
| TOTAL COST ESTIMATE | | | | 103,030 | | | | 87,470 | | | | 82,690 | | | | 30,410 | | | | 339,410 | | 17,660 | | | | 18,275 | | 11,220 | | 29,495 | | | | | | |
| ASSESSMENTS | | | | Total ha | Runoff | Total ha | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | | | | | | |
| Roll No. | Affected | Factor | Adjusted | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | | | | | | |
| -8-002-00 E. Sooley | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 500 | | | 300 | | | | | | 800 | 19 | | | | | | | | | | | | | | | | | | | |
| -8-003-00 2029941 Ont Inc | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 500 | | | 300 | | | | | | 800 | 13 | | | | | | | | | | | | | | | | | | | |
| -8-003-01 K. Henrich | 0.5 | 1.6 | 0.8 | | 0.8 | 50 | 500 | | | 300 | | | | | | 800 | 50 | | | | | | | | | | | | | | | | | | | |
| -8-004-00 J. Simas | 0.6 | 1.0 | 0.6 | | 0.6 | 38 | 500 | | | 300 | | | | | | 800 | 38 | | | | | | | | | | | | | | | | | | | |
| -8-005-00 A. Dicknoether | 0.2 | 1.0 | 0.2 | | 0.2 | 13 | 80 | | | 70 | | | | | | 150 | 13 | | | | | | | | | | | | | | | | | | | |
| -8-006-00 D. Brundula | 0.2 | 1.0 | 0.2 | | 0.2 | 13 | 80 | | | 70 | | | | | | 150 | 13 | | | | | | | | | | | | | | | | | | | |
| -8-007-00 A. Fisher | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | | | 70 | | | | | | 150 | 13 | | | | | | | | | | | | | | | | | | | |
| -8-007-01 E. Weikmann | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | | | 70 | | | | | | 150 | 13 | | | | | | | | | | | | | | | | | | | |
| -8-008-00 B. Burns | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | | | 70 | | | | | | 150 | 19 | | | | | | | | | | | | | | | | | | | |
| -8-009-00 H. Biddiscombe | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 500 | | | 300 | | | | | | 800 | 19 | | | | | | | | | | | | | | | | | | | |
| -8-010-00 R. Dietrich | 0.2 | 1.0 | 0.2 | | 0.2 | 13 | 500 | | | 300 | | | | | | 800 | 13 | | | | | | | | | | | | | | | | | | | |
| -8-011-00 J. Pomeroy | 0.5 | 1.0 | 0.5 | | 0.5 | 31 | 500 | | | 300 | | | | | | 800 | 31 | | | | | | | | | | | | | | | | | | | |
| -8-012-00 L. Haid | 11.8 | 1.0 | 11.8 | 3,000 | 11.8 | 742 | 8,500 | 8.8 | 1,074 | 9,500 | 2.3 | 270 | | | | 21,000 | 2,086 | | | | | | | | | | | | | | | | | | | |
| -8-013-00 Faz Investments Inc | 0.4 | 2.5 | 1.0 | | 1.0 | 63 | 80 | 1.0 | 122 | 70 | 1.0 | 117 | | | | 150 | 302 | | | | | | | | | | | | | | | | | | | |
| -8-014-00 T. Schmidt | 5.6 | 1.0 | 5.6 | | 5.6 | 352 | 80 | 5.6 | 684 | 70 | 1.4 | 164 | | 1.4 | 11 | | 150 | 1,240 | | | | | | | | | | | | | | | | | | |
| -8-014-01 R. Dhaliwal | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | 80 | 0.4 | 49 | 70 | 0.4 | 47 | | | | 150 | 121 | | | | | | | | | | | | | | | | | | | |
| -8-014-02 K. Dietrich | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | | | 150 | 60 | | | | | | | | | | | | | | | | | | | |
| -8-014-03 J. Aikins | 0.3 | 2.0 | 0.6 | | 0.6 | 38 | 80 | 0.6 | 73 | 70 | 0.6 | 70 | | 0.6 | 5 | 30 | 0.6 | 12 | 180 | 198 | | | | | | | | | | | | | | | | |
| -8-014-04 D. Baumbach | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | 80 | 0.4 | 49 | 70 | 0.4 | 47 | | 0.4 | 3 | 30 | 0.4 | 8 | 180 | 132 | | | | | | | | | | | | | | | | |
| -8-014-05 R. Schmitt | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | 80 | 0.4 | 49 | 70 | 0.4 | 47 | | 0.4 | 3 | 30 | 0.4 | 8 | 180 | 132 | | | | | | | | | | | | | | | | |
| -8-014-06 J. Weiler | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | 80 | 0.4 | 49 | 70 | 0.4 | 47 | | 0.4 | 3 | 30 | 0.4 | 8 | 180 | 132 | | | | | | | | | | | | | | | | |
| -8-014-07 L. Petrunak | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.2 | 23 | | 0.2 | 2 | | 0.2 | 4 | 150 | 85 | | | | | | | | | | | | | | | | |
| -8-014-08 R. Shaw | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | | | | | | 150 | 56 | | | | | | | | | | | | | | | | | | | |
| -8-014-09 K. Gerber | 0.3 | 1.7 | 0.5 | | 0.5 | 31 | 80 | 0.5 | 61 | 70 | | | | | | 150 | 92 | | | | | | | | | | | | | | | | | | | |
| -8-014-11 B. Carter | 0.3 | 1.3 | 0.4 | | 0.4 | 25 | 80 | 0.4 | 49 | 70 | 0.4 | 47 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 127 | | | | | | | | | | | | | | | | |
| -8-014-12 G. Nicoli | 0.3 | 1.3 | 0.4 | | 0.4 | 25 | 80 | 0.4 | 49 | 70 | 0.4 | 47 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 127 | | | | | | | | | | | | | | | | |
| -8-014-13 N. Wilhelm | 0.5 | 1.2 | 0.6 | | 0.6 | 38 | 80 | 0.6 | 73 | 70 | 0.6 | 70 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 189 | | | | | | | | | | | | | | | | |
| -8-014-14 Region of Waterloo | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | | | | | | | | | | | | | | | | |
| -8-015-00 T. Schmidt | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | | 0.3 | 37 | | 0.3 | 35 | | 0.3 | 2 | | 0.3 | 6 | | 99 | | | | | | | | | | | | | | | | |
| -8-016-00 J. Droppert | 5.5 | 1.0 | 5.5 | | 5.5 | 346 | | 5.5 | 671 | | 5.5 | 645 | | 5.5 | 43 | | 5.5 | 112 | | 1,817 | | | | | | | | | | | | | | | | |
| -8-016-01 E. Hirschberger | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | | 0.4 | 49 | | 0.4 | 47 | | 0.4 | 3 | | 0.4 | 8 | | 132 | | | | | | | | | | | | | | | | |
| -8-017-00 D. Kroetsch | 0.4 | 1.0 | 0.4 | | 0.4 | 25 | | 0.4 | 49 | | 0.4 | 47 | | 0.4 | 3 | | 0.4 | 8 | | 132 | | | | | | | | | | | | | | | | |
| -8-017-01 RJS Farms Ltd | 2.1 | 1.0 | 2.1 | | 2.1 | 132 | | 2.1 | 256 | | 2.1 | 246 | | 2.1 | 16 | | 2.1 | 43 | | 693 | | | | | | | | | | | | | | | | |
| -8-043-00 J. Nedeljkovich | 0.3 | 1.0 | 0.3 | | 0.3 | 19 | | 0.3 | 37 | | 0.3 | 35 | | 0.3 | 2 | | 0.3 | 6 | | 99 | | | | | | | | | | | | | | | | |
| -8-044-00 E. Remers | 0.2 | 1.0 | 0.2 | | 0.2 | 13 | | 0.2 | 24 | | 0.2 | 23 | | 0.2 | 2 | | 0.2 | 4 | | 66 | | | | | | | | | | | | | | | | |
| -8-045-00 K. Asselin | 0.6 | 1.0 | 0.6 | | 0.6 | 38 | | 0.6 | 73 | | 0.6 | 70 | | 0.6 | 5 | | 0.6 | 12 | | 198 | | | | | | | | | | | | | | | | |
| -8-046-00 N. Dietrich | 32.5 | 1.0 | 32.5 | | 32.5 | 2,044 | | 32.5 | 3,967 | | 32.5 | 3,814 | | 32.5 | 255 | | 32.5 | 663 | | 10,743 | | | | | | | | | | | | | | | | |
| -8-047-00 J. Bak | 34.5 | 1.0 | 34.5 | | 34.5 | 2,170 | | 34.5 | 4,211 | | 34.5 | 4,048 | | 34.5 | 270 | | 34.5 | 704 | | 11,403 | | | | | | | | | | | | | | | | |
| -8-048-00 L. Haid | 13.3 | 1.0 | 13.3 | | 13.3 | 837 | | 13.3 | 1,623 | | 13.3 | 1,561 | | 13.3 | 104 | | 13.3 | 271 | | 4,396 | | | | | | | | | | | | | | | | |
| -8-049-00 M. Barney | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | | 0.4 | 49 | | 0.4 | 47 | | 0.4 | 3 | | 0.4 | 8 | | 132 | | | | | | | | | | | | | | | | |
| -8-050-00 S. Earle | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | | 0.4 | 49 | | 0.4 | 47 | | 0.4 | 3 | | 0.4 | 8 | | 132 | | | | | | | | | | | | | | | | |
| -8-051-00 S. Dietrich | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | | 0.4 | 49 | | 0.4 | 47 | | 0.4 | 3 | | 0.4 | 8 | | 132 | | | | | | | | | | | | | | | | |
| -8-051-01 T. Shantz | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | | 0.4 | 49 | | 0.4 | 47 | | 0.4 | 3 | | 0.4 | 8 | | 132 | | | | | | | | | | | | | | | | |
| -8-052-00 K. Nowak | 0.5 | 2.0 | 1.0 | | 1.0 | 63 | | 1.0 | 122 | | 1.0 | 117 | | 1.0 | 8 | | 1 | 20 | | 330 | | | | | | | | | | | | | | | | |
| -8-053-00 S. Dubrick, D. Moore | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | | 0.4 | 49 | | 0.4 | 47 | | 0.4 | 3 | | 0.4 | 8 | | 132 | | | | | | | | | | | | | | | | |
| -8-053-01 T. Grant | 16.1 | 1.0 | 16.1 | | 16.1 | 1,013 | | 16.1 | 1,965 | | 16.1 | 1,889 | | 16.1 | 126 | | 16.1 | 328 | | 5, | | | | | | | | | | | | | | | | |

| ESTIMATED COST | | | | Main Drain | | | | | | | | | | | | West Branch | | | | Notre Dame Branch | | | | | | | | | | | | | | | | |
|--------------------------------------|----------|--------|----------|------------|----------|----------|--------------|----------|--------|----------------|----------|--------|----------------|----------|--------|-------------|----------|--------|---------|-------------------|--------|---------|------------|-----------|---------|----------|------------|---------|----------|--------|---------|----------|--------|--|--------|--|
| | | | | INTERVALS | | | | | | | | | | | | Total | | | | 000 to 155 | | | | INTERVALS | | | | | | | | | | | | |
| | | | | 606 to 813 | | | 813 to 1+074 | | | 1+074 to 1+330 | | | 1+330 to 1+348 | | | | | | | 1+348 to 1+438 | | | 000 to 466 | | | | 466 to 595 | | | | Total | | | | | |
| Allowances | | | | 1,200 | | | 1,200 | | | 1,200 | | | | | | 500 | | | 4,100 | | | | 400 | | | | 7,900 | | | | 1,250 | | | | 9,150 | |
| Construction | | | | 74,385 | | | 68,585 | | | 65,430 | | | 28,800 | | | 24,015 | | | 261,215 | | | | 12,820 | | | | 4,070 | | | | 5,395 | | | | 9,465 | |
| Engineering | | | | 26,050 | | | 16,485 | | | 14,960 | | | 6,515 | | | 5,495 | | | 69,505 | | | | 4,170 | | | | 6,105 | | | | 4,475 | | | | 10,580 | |
| Non Administrative | | | | 1,395 | | | 1,200 | | | 1,100 | | | 495 | | | 400 | | | 4,590 | | | | 270 | | | | 200 | | | | 100 | | | | 300 | |
| TOTAL COST ESTIMATE | | | | 103,030 | | | 87,470 | | | 82,690 | | | 35,810 | | | 30,410 | | | 339,410 | | | | 17,660 | | | | 18,275 | | | | 11,220 | | | | 29,495 | |
| ASSESSMENTS | | | | Total ha | Runoff | Total ha | ha | | | ha | | | ha | | | ha | | | ha | | | | ha | | | | ha | | | | ha | | | | | |
| Roll No. | Affected | Factor | Adjusted | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | | | |
| -8-064-28 A. Dietrich | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | 0.2 | 8 | | | | | 300 | 8 | | | | |
| -8-064-30 S. Harrold | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | | | | | | | 300 | | | | | |
| -8-064-32 L. Kelly | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | | | | | | | 300 | | | | | |
| -8-064-34 E. Erb | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | | | | | | | 300 | | | | | |
| -8-064-36 M. McLean | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | | | | | | | 300 | | | | | |
| -8-064-38 R. Landriault | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | | | | | | | 300 | | | | | |
| -8-064-40 E. Dietrich | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | | | | | | | 300 | | | | | |
| -8-064-42 A. Moses | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | | | | | | | 300 | | | | | |
| -8-064-44 D. Powell | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | | | | | | | 300 | | | | | |
| -8-064-46 I. Kelly | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 300 | 0.3 | 8 | 300 | | | | | | | 300 | | | | | |
| -8-064-50 Blaze Properties Inc | 3.4 | 0.9 | 3.2 | | 3.2 | 201 | | 3.2 | 391 | | 3.2 | 376 | | 3.2 | 25 | | 3.2 | 65 | | 1,058 | | 3.2 | 86 | 4,000 | 3.0 | 119 | 1,000 | | | | 5,000 | 119 | | | | |
| -8-065-00 Waterloo Catholic District | 0.8 | 2.5 | 2.0 | | 2.0 | 126 | 80 | 2.0 | 244 | 70 | 2.0 | 235 | | 2.0 | 16 | 30 | 2.0 | 41 | 180 | 662 | 25 | 2.0 | 54 | 1,000 | 2.0 | 79 | | | | 1,000 | 79 | | | | | |
| -8-066-00 N. Fritz | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | | | | 25 | 8 | | | | | |
| -8-067-00 R. Wilson-Lewis | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | | | | 25 | 8 | | | | | |
| -8-068-00 R. McKenzie | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 1,000 | 0.3 | 9 | 1,025 | 21 | | | | | |
| -8-069-00 J. Honek | 1.7 | 1.5 | 2.6 | | 2.6 | 164 | 80 | 2.6 | 317 | 70 | 2.6 | 305 | | 2.6 | 20 | 30 | 2.6 | 53 | 180 | 859 | 25 | 2.6 | 70 | 25 | 2.6 | 103 | 1,000 | 1.0 | 30 | 1,025 | 133 | | | | | |
| -8-070-00 E. McCutcheon | 0.8 | 1.5 | 1.2 | | 1.2 | 75 | 80 | 1.2 | 146 | 70 | 1.2 | 141 | | 1.2 | 9 | 30 | 1.2 | 24 | 180 | 395 | 25 | 1.2 | 32 | 25 | 1.2 | 48 | 25 | 0.4 | 12 | 50 | 60 | | | | | |
| -8-071-00 D. Westfall | 7.8 | 1.0 | 7.8 | | 7.8 | 491 | | 7.8 | 952 | | 7.8 | 915 | | 7.8 | 61 | | 7.8 | 159 | | 2,578 | | 7.8 | 210 | | 7.8 | 310 | | | | | 310 | | | | | |
| -8-071-01 J. Kidd | 0.2 | 2.5 | 0.5 | | 0.5 | 31 | 80 | 0.5 | 61 | 70 | 0.5 | 59 | | 0.5 | 4 | 30 | 0.5 | 10 | 180 | 165 | 25 | 0.5 | 13 | 25 | 0.5 | 20 | 25 | 0.2 | 6 | 50 | 26 | | | | | |
| -8-071-02 S. Schaefer | 0.2 | 2.5 | 0.5 | | 0.5 | 31 | 80 | 0.5 | 61 | 70 | 0.5 | 59 | | 0.5 | 4 | 30 | 0.5 | 10 | 180 | 165 | 25 | 0.5 | 13 | 25 | 0.5 | 20 | 25 | 0.1 | 3 | 50 | 23 | | | | | |
| -8-073-00 Ron Stoesser Aluminum L | 16.1 | 1.0 | 16.1 | | 16.1 | 1,013 | | 16.1 | 1,965 | | 16.1 | 1,889 | | 16.1 | 126 | | 16.1 | 328 | | 5,321 | | | | | | | | | | | | | | | | |
| -8-073-01 J. Venclik Jr | 10.1 | 0.9 | 9.5 | | 9.5 | 598 | | 9.5 | 1,160 | | 9.5 | 1,115 | | 9.5 | 74 | | 9.5 | 194 | | 3,141 | | | | | | | | | | | | | | | | |
| -8-074-00 C. Streicher | 10.0 | 1.0 | 10.0 | | 10.0 | 629 | | 10.0 | 1,221 | | 10.0 | 1,173 | | 10.0 | 78 | | 10.0 | 204 | | 3,305 | | | | | | | | | | | | | | | | |
| -8-075-00 J. Rai | 2.9 | 0.5 | 1.5 | | 1.5 | 94 | | 1.5 | 183 | | 1.5 | 176 | | 1.5 | 12 | | 1.5 | 31 | | 496 | | | | | | | | | | | | | | | | |
| -8-086-00 R. Moser | 0.1 | 2 | 0.2 | | 0.2 | 13 | | 0.2 | 24 | | 0.2 | 23 | | 0.2 | 2 | | 0.2 | 4 | | 66 | | | | | | | | | | | | | | | | |
| -8-087-00 S. Foster | 2.4 | 1.0 | 2.4 | | 2.4 | 151 | | 2.4 | 293 | | 2.4 | 282 | | 2.4 | 19 | | 2.4 | 49 | | 794 | | | | | | | | | | | | | | | | |
| -8-088-00 C. Lobrutto | 4.8 | 1.0 | 4.8 | | 4.8 | 302 | | 4.8 | 586 | | 4.8 | 563 | | 4.8 | 38 | | 4.8 | 98 | | 1,587 | | | | | | | | | | | | | | | | |
| -8-088-01 A. Seabrook | 0.9 | 1.6 | 1.4 | | 1.4 | 88 | | 1.4 | 171 | | 1.4 | 164 | | 1.4 | 11 | | 1.4 | 29 | | 463 | | | | | | | | | | | | | | | | |
| -8-089-01 M. Smrcek | 0.5 | 1.0 | 0.5 | | 0.5 | 31 | | 0.5 | 61 | | 0.5 | 59 | | 0.5 | 4 | | 0.5 | 10 | | 165 | | | | | | | | | | | | | | | | |
| -9-012-00 S. Winkler | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | | |
| -9-013-00 B. Haid | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | 80 | 0.4 | 49 | 70 | 0.4 | 47 | | 0.4 | 3 | 30 | 0.4 | 8 | 180 | 132 | 25 | 0.4 | 11 | 25 | 0.4 | 16 | 25 | 0.4 | 12 | 50 | 28 | | | | | |
| -9-014-00 Wilmot Township | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | | |
| -9-015-00 K. Detzler | 1.8 | 1.0 | 1.8 | | 1.8 | 113 | | 1.8 | 220 | | 1.8 | 211 | | 1.8 | 14 | | 1.8 | 37 | | 595 | | 1.8 | 49 | | 1.8 | 72 | | 1.8 | 54 | | 126 | | | | | |
| -9-016-00 Kevard Holdings Inc | 1.9 | 1.0 | 1.9 | | 1.9 | 120 | | 1.9 | 232 | | 1.9 | 223 | | 1.9 | 15 | | 1.9 | 39 | | 629 | | 1.9 | 51 | | 1.9 | 76 | | 1.9 | 57 | | 133 | | | | | |
| -9-017-00 Wilmot Township | 2.7 | 1.5 | 4.1 | | 4.1 | 258 | 80 | 4.1 | 500 | 70 | 4.1 | 481 | | 4.1 | 32 | 30 | 4.1 | 84 | 180 | 1,355 | 25 | 4.1 | 111 | 25 | 4.1 | 163 | 25 | 4.1 | 124 | 50 | 287 | | | | | |
| -9-018-00 P. Reidt | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | | |
| -9-019-00 D. Foulds | 0.4 | 1.0 | 0.4 | | 0.4 | 25 | 80 | 0.4 | 49 | 70 | 0.4 | 47 | | 0.4 | 3 | 30 | 0.4 | 8 | 180 | 132 | 25 | 0.4 | 11 | 25 | 0.4 | 16 | 25 | 0.4 | 12 | 50 | 28 | | | | | |
| -9-020-00 C. Winkler, C. Leonardo | 0.1 | 3.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | | |
| -9-021-00 Larmelo Enterprises Inc. | 0.4 | 2.5 | 1.0 | | 1.0 | 63 | 80 | 1.0 | 122 | 70 | 1.0 | 117 | | 1.0 | 8 | 30 | 1.0 | 20 | 180 | 330 | 25 | 1.0 | 27 | 25 | 1.0 | 40 | 25 | 1 | 30 | 50 | 70 | | | | | |
| -9-022-00 Angie's Kitchen Ltd | 0.3 | 2.7 | 0.8 | | 0.8 | 50 | 80 | 0.8 | 98 | 70 | 0.8 | 94 | | 0.8 | 6 | 30 | 0.8 | 16 | 180 | 264 | 25 | 0.8 | 22 | 25 | 0.8 | 32 | 25 | 0.8 | 24 | 50 | 56 | | | | | |

| ESTIMATED COST | | | | Main Drain | | | | | | | | | | | | West Branch | | | | Notre Dame Branch | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|--|--|------------|--------|----------|--------------|----------|--------|----------------|----------|--------|----------------|----------|--------|-------------|----------|--------|---------|-------------------|--------|---------|----------|----------------|---------|----------|------------|---------|----------|--------|------------|----------|--------|-----|--------|--|--|--|
| | | | | INTERVALS | | | | | | | | | | | | Total | | | | 000 to 155 | | | | INTERVALS | | | | | | | | Total | | | | | | |
| | | | | 606 to 813 | | | 813 to 1+074 | | | 1+074 to 1+330 | | | 1+330 to 1+348 | | | | | | | | | | | 1+348 to 1+438 | | | 000 to 466 | | | | 466 to 595 | | | | | | | |
| Allowances | | | | 1,200 | | | 1,200 | | | 1,200 | | | | | | 500 | | | 4,100 | | | | 400 | | | | 7,900 | | | | 1,250 | | | | 9,150 | | | |
| Construction | | | | 74,385 | | | 68,585 | | | 65,430 | | | 28,800 | | | 24,015 | | | 261,215 | | | | 12,820 | | | | 4,070 | | | | 5,395 | | | | 9,465 | | | |
| Engineering | | | | 26,050 | | | 16,485 | | | 14,960 | | | 6,515 | | | 5,495 | | | 69,505 | | | | 4,170 | | | | 6,105 | | | | 4,475 | | | | 10,580 | | | |
| Non Administrative | | | | 1,395 | | | 1,200 | | | 1,100 | | | 495 | | | 400 | | | 4,590 | | | | 270 | | | | 200 | | | | 100 | | | | 300 | | | |
| TOTAL COST ESTIMATE | | | | 103,030 | | | 87,470 | | | 82,690 | | | 35,810 | | | 30,410 | | | 339,410 | | | | 17,660 | | | | 18,275 | | | | 11,220 | | | | 29,495 | | | |
| ASSESSMENTS | | | | Total ha | | Runoff | | Total ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | ha | | | | | | |
| Roll No. | | | | Affected | Factor | Adjusted | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | | | | | |
| -9-060-02 C. Stemmler | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-062-00 K. Huras | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-063-00 G. Langer | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-064-00 M. Straus | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-064-10 M. Lee | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-065-00 J. Solberg | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-066-00 A. Dubrick | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-067-00 W. Tschirhart | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-068-00 P. Hessler | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-069-00 D. Neugebauer | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-070-00 A. Anderson | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-071-00 R. Heimpel | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-072-00 J. Young | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-073-00 J. Kroetsch | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-074-00 M. Facchini | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-075-00 D. & H. Shantz | | | | 0.2 | 2.0 | 0.4 | | 0.4 | 25 | 80 | 0.4 | 49 | 70 | 0.4 | 47 | | 0.4 | 3 | 30 | 0.4 | 8 | 180 | 132 | 25 | 0.4 | 11 | 25 | 0.4 | 16 | 25 | 0.4 | 12 | 50 | 28 | | | | |
| -9-076-00 G. Brotheras | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-077-00 R. Carothers | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-078-00 M. Healey | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-079-00 G. Dietrich | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-080-00 D. O'Dea | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-081-00 D. Eby | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-082-00 J. Jacky | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-083-00 B. & J. Stemmler | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-084-00 D. Rola | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-085-00 D. Roth | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-086-00 L. Hurlbut | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-086-01 M. Baulk | | | | 0.2 | 1.5 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-086-02 Wilmot Township | | | | 0.3 | 1.0 | 0.3 | | 0.3 | 19 | 80 | 0.3 | 37 | 70 | 0.3 | 35 | | 0.3 | 2 | 30 | 0.3 | 6 | 180 | 99 | 25 | 0.3 | 8 | 25 | 0.3 | 12 | 25 | 0.3 | 9 | 50 | 21 | | | | |
| -9-087-00 P. Goodyear, H. Zeigler | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-088-00 B. Bast | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-089-00 D. Maue | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-090-00 D. Hiemer | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-091-00 D. Gueguen | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-092-00 D. Purdy | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-093-00 S. Houtsma | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | 0.2 | 2 | 30 | 0.2 | 4 | 180 | 66 | 25 | 0.2 | 5 | 25 | 0.2 | 8 | 25 | 0.2 | 6 | 50 | 14 | | | | |
| -9-110-00 A. Sararas | | | | 1.8 | 1.0 | 1.8 | | 1.8 | 113 | | 1.8 | 220 | | 1.8 | 211 | | 1.8 | 14 | | 1.8 | 37 | | 595 | | 1.8 | 49 | | 1.8 | 72 | | 1.8 | 54 | | 126 | | | | |
| -9-110-01 A. Straus | | | | 0.4 | 1.0 | 0.4 | | 0.4 | 25 | | 0.4 | 49 | | 0.4 | 47 | | 0.4 | 3 | | 0.4 | 8 | | 132 | | 0.4 | 11 | | 0.4 | 16 | | 0.4 | 12 | | 28 | | | | |
| -9-112-00 W. Snyder | | | | 0.1 | 2.0 | 0.2 | | 0.2 | 13 | 80 | 0.2 | 24 | 70 | 0.2 | 23 | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | East Branch | | | | | | | | | | | | Strauss Branch | | | Haid Branch | | | Kraehling Branch | | | Grand | | | |
|--------------------------------------|----------|--------------------|----------|-------------|----------|----------|------------|----------|--------|------------|----------|---------|--------------|----------|--------|----------------|----------|--------|-------------|----------|--------|------------------|--|--|------------|--|--|-------|
| | | | | INTERVALS | | | | | | | | | | | | Total | | | 000 to 062 | | | 000 to 361 | | | 000 to 032 | | | Total |
| | | | | 000 to 206 | | | 206 to 478 | | | 478 to 950 | | | 950 to 1+406 | | | | | | 000 to 062 | | | 000 to 361 | | | 000 to 032 | | | |
| ESTIMATED COST | | Allowances | | 300 | | 1,100 | | 1,400 | | 1,300 | | 4,100 | | 100 | | 1200 | | 100 | | 19,150 | | | | | | | | |
| | | Construction | | 46,405 | | 20,965 | | 18,620 | | 18,115 | | 104,105 | | 7,735 | | 22080 | | 12210 | | 429,630 | | | | | | | | |
| | | Engineering | | 11,600 | | 4,885 | | 4,480 | | 4,300 | | 25,265 | | 2,750 | | 5190 | | 3360 | | 120,820 | | | | | | | | |
| | | Non Administrative | | 895 | | 400 | | 300 | | 310 | | 1,905 | | 190 | | 400 | | 195 | | 7,850 | | | | | | | | |
| TOTAL COST ESTIMATE | | | | 59,200 | | 27,350 | | 24,800 | | 24,025 | | 135,375 | | 10,775 | | 28,870 | | 15,865 | | 577,450 | | | | | | | | |
| ASSESSMENTS | | | | Total ha | Runoff | Total ha | ha | | | ha | | | ha | | | ha | | | ha | | | | | | | | | |
| Roll No. | Affected | Factor | Adjusted | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | | | | | | | |
| -8-002-00 E. Sooley | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 819 | | | | | | |
| -8-003-00 2029941 Ont Inc | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 813 | | | | | | |
| -8-003-01 K. Henrich | 0.5 | 1.6 | 0.8 | | | | | | | | | | | | | | | | | | | 850 | | | | | | |
| -8-004-00 J. Simas | 0.6 | 1.0 | 0.6 | | | | | | | | | | | | | | | | | | | 838 | | | | | | |
| -8-005-00 A. Dicknoether | 0.2 | 1.0 | 0.2 | | | | | | | | | | | | | | | | | | | 163 | | | | | | |
| -8-006-00 D. Brundula | 0.2 | 1.0 | 0.2 | | | | | | | | | | | | | | | | | | | 163 | | | | | | |
| -8-007-00 A. Fisher | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 163 | | | | | | |
| -8-007-01 E. Weikmann | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 163 | | | | | | |
| -8-008-00 B. Burns | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 169 | | | | | | |
| -8-009-00 H. Biddiscombe | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 819 | | | | | | |
| -8-010-00 R. Dietrich | 0.2 | 1.0 | 0.2 | | | | | | | | | | | | | | | | | | | 813 | | | | | | |
| -8-011-00 J. Pomeroy | 0.5 | 1.0 | 0.5 | | | | | | | | | | | | | | | | | | | 831 | | | | | | |
| -8-012-00 L. Haid | 11.8 | 1.0 | 11.8 | | | | | | | | | | | | | | | | | | | 23,086 | | | | | | |
| -8-013-00 Faz Investments Inc | 0.4 | 2.5 | 1.0 | | | | | | | | | | | | | | | | | | | 452 | | | | | | |
| -8-014-00 T. Schmidt | 5.6 | 1.0 | 5.6 | | 1.4 | 181 | | | | | | | | 181 | | 0.4 | 116 | | | | | 1,687 | | | | | | |
| -8-014-01 R. Dhaliwal | 0.2 | 2.0 | 0.4 | | | | | | | | | | | | | | | | | | | 271 | | | | | | |
| -8-014-02 K. Dietrich | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 210 | | | | | | |
| -8-014-03 J. Aikins | 0.3 | 2.0 | 0.6 | 300 | 0.6 | 78 | | | | | | | | 300 | 78 | 300 | 0.6 | 174 | | | | 1,230 | | | | | | |
| -8-014-04 D. Baumbach | 0.2 | 2.0 | 0.4 | 300 | 0.4 | 52 | | | | | | | | 300 | 52 | 300 | 0.4 | 116 | | | | 1,080 | | | | | | |
| -8-014-05 R. Schmitt | 0.2 | 2.0 | 0.4 | 300 | 0.4 | 52 | | | | | | | | 300 | 52 | 300 | 0.4 | 116 | | | | 1,080 | | | | | | |
| -8-014-06 J. Weiler | 0.2 | 2.0 | 0.4 | 300 | 0.4 | 52 | | | | | | | | 300 | 52 | 300 | 0.4 | 116 | | | | 1,080 | | | | | | |
| -8-014-07 L. Petrunak | 0.2 | 1.5 | 0.3 | 300 | 0.2 | 26 | | | | | | | | 300 | 26 | 300 | 0.2 | 58 | | | | 919 | | | | | | |
| -8-014-08 R. Shaw | 0.2 | 1.5 | 0.3 | 300 | | | | | | | | | | 300 | | 300 | | | | | | 806 | | | | | | |
| -8-014-09 K. Gerber | 0.3 | 1.7 | 0.5 | 300 | | | | | | | | | | 300 | | 300 | | | | | | 842 | | | | | | |
| -8-014-11 B. Carter | 0.3 | 1.3 | 0.4 | 300 | 0.2 | 26 | | | | | | | | 300 | 26 | 300 | 0.2 | 58 | | | | 991 | | | | | | |
| -8-014-12 G. Nicoli | 0.3 | 1.3 | 0.4 | 300 | 0.2 | 26 | | | | | | | | 300 | 26 | 300 | 0.2 | 58 | | | | 991 | | | | | | |
| -8-014-13 N. Wilhelm | 0.5 | 1.2 | 0.6 | 300 | 0.3 | 39 | | | | | | | | 300 | 39 | 300 | 0.3 | 87 | | | | 1,095 | | | | | | |
| -8-014-14 Region of Waterloo | 0.1 | 2.0 | 0.2 | 300 | 0.2 | 26 | | | | | | | | 300 | 26 | 300 | 0.2 | 58 | | | | 930 | | | | | | |
| -8-015-00 T. Schmidt | 0.2 | 1.5 | 0.3 | | 0.3 | 39 | | | | | | | | | 39 | | | | | | | 138 | | | | | | |
| -8-016-00 J. Droppert | 5.5 | 1.0 | 5.5 | | 5.5 | 711 | | | | | | | | | 711 | | | | | | | 2,528 | | | | | | |
| -8-016-01 E. Hinschberger | 0.2 | 2.0 | 0.4 | | 0.4 | 52 | | | | | | | | | 52 | | | | | | | 184 | | | | | | |
| -8-017-00 D. Kroetsch | 0.4 | 1.0 | 0.4 | | 0.4 | 52 | | 0.4 | 26 | | 0.4 | 138 | | | 216 | | | | | 0.4 | 132 | 480 | | | | | | |
| -8-017-01 RJS Farms Ltd | 2.1 | 1.0 | 2.1 | | 2.1 | 271 | | 1.1 | 71 | 1,500 | 0.5 | 172 | | 1,500 | 514 | | | | 1,500 | 0.5 | 164 | 4,371 | | | | | | |
| -8-043-00 J. Nedeljkovich | 0.3 | 1.0 | 0.3 | | 0.3 | 39 | | 0.3 | 19 | | 0.3 | 103 | 100 | 0.3 | 176 | 100 | 337 | | | | | 536 | | | | | | |
| -8-044-00 E. Remers | 0.2 | 1.0 | 0.2 | | 0.2 | 26 | | 0.2 | 13 | | 0.2 | 69 | 100 | 0.2 | 118 | 100 | 226 | | | | | 392 | | | | | | |
| -8-045-00 K. Asselin | 0.6 | 1.0 | 0.6 | | 0.6 | 78 | | 0.6 | 39 | | 0.6 | 207 | 300 | 0.6 | 353 | 300 | 677 | | | | | 1,175 | | | | | | |
| -8-046-00 N. Dietrich | 32.5 | 1.0 | 32.5 | | 32.5 | 4,200 | | 32.5 | 2,096 | 1,500 | 7.4 | 2,548 | 6,000 | 7.4 | 4,349 | 7,500 | 13,193 | | | 23.4 | 2253 | 33,689 | | | | | | |
| -8-047-00 J. Bak | 34.5 | 1.0 | 34.5 | | 34.5 | 4,459 | 1,000 | 34.5 | 2,225 | 3,000 | 4.3 | 1,481 | 6,000 | | | 10,000 | 8,165 | | 2,000 | 24.9 | 2398 | 33,966 | | | | | | |
| -8-048-00 L. Haid | 13.3 | 1.0 | 13.3 | | 13.3 | 1,719 | 3,000 | 13.3 | 858 | 9,000 | 1.8 | 620 | | | | 12,000 | 3,197 | | 11,000 | 4.5 | 433 | 31,026 | | | | | | |
| -8-049-00 M. Barney | 0.2 | 2.0 | 0.4 | | 0.4 | 52 | | 0.4 | 26 | | | | | | | | 78 | | | | | 210 | | | | | | |
| -8-050-00 S. Earle | 0.2 | 2.0 | 0.4 | | 0.4 | 52 | | 0.4 | 26 | | | | | | | | 78 | | | | | 210 | | | | | | |
| -8-051-00 S. Dietrich | 0.2 | 2.0 | 0.4 | | 0.4 | 52 | | 0.4 | 26 | | | | | | | | 78 | | | | | 210 | | | | | | |
| -8-051-01 T. Shantz | 0.2 | 2.0 | 0.4 | | 0.4 | 52 | | 0.4 | 26 | | | | | | | | 78 | | | | | 210 | | | | | | |
| -8-052-00 K. Nowak | 0.5 | 2.0 | 1.0 | | 1.0 | 129 | | 1.0 | 64 | | | | | | | | 193 | | | | | 523 | | | | | | |
| -8-053-00 S. Dubrick, D. Moore | 0.2 | 2.0 | 0.4 | | 0.4 | 52 | | 0.4 | 26 | | | | | | | | 78 | | | | | 210 | | | | | | |
| -8-053-01 T. Grant | 16.1 | 1.0 | 16.1 | 2,500 | 16.1 | 2,081 | 7,000 | 2.0 | 129 | | | | | 9,500 | 2,210 | | | 6,000 | | | | 23,031 | | | | | | |
| -8-054-00 J. Grant | 2.4 | 1.0 | 2.4 | 2,500 | 2.4 | 310 | 7,000 | | | | | | | 9,500 | 310 | | | | | | | 10,604 | | | | | | |
| -8-055-00 Bri-Al Fisher Services Inc | 0.2 | 2.5 | 0.5 | | | | | | | | | | | | | | | | | | | 1,153 | | | | | | |
| -8-056-00 B. Fisher | 0.2 | 2.0 | 0.4 | | | | | | | | | | | | | | | | | | | 348 | | | | | | |
| -8-057-00 D. Perrin | 0.2 | 2.0 | 0.4 | | | | | | | | | | | | | | | | | | | 348 | | | | | | |
| -8-058-00 T. Malleck | 0.3 | 2.0 | 0.6 | | | | | | | | | | | | | | | | | | | 419 | | | | | | |
| -8-059-00 J. Reinhardt | 0.1 | 1.0 | 0.1 | | | | | | | | | | | | | | | | | | | 241 | | | | | | |
| -8-060-00 P. Bisch | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | 312 | | | | | | |
| -8-062-00 Roman Catholic Church | 0.9 | 1.6 | 1.4 | | | | | | | | | | | | | | | | | | | 667 | | | | | | |
| -8-063-00 Kraehling Farms Inc | 16.2 | 1.0 | 16.2 | 19,000 | | | | | | | | | | 19,000 | | 1,000 | | | | | | 60,487 | | | | | | |
| -8-064-00 Notre Dame Assets Inc | 2.4 | 1.5 | 3.6 | | | | | | | | | | | | | | | | | | | 2,310 | | | | | | |
| -8-064-10 Waterloo Common Eleme | 0.7 | 2.6 | 1.8 | | | | | | | | | | | | | | | | | | | 5,902 | | | | | | |
| -8-064-12 W. Van Der Eijk | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | 895 | | | | | | |
| -8-064-14 G. Glaubitz | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | 895 | | | | | | |
| -8-064-16 L. Hart | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | 895 | | | | | | |
| -8-064-18 J. Beitz | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | 895 | | | | | | |
| -8-064-20 B. Feeney | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | 895 | | | | | | |
| -8-064-22 J. Wahl | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | 895 | | | | | | |
| -8-064-24 J. Reid | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | 895 | | | | | | |
| -8-064-26 G. Dietrich | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | 895 | | | | | | |

| | | | | East Branch | | | | | | | | | | | | Strauss Branch | | | Haid Branch | | | Kraehling Branch | | | Grand | | | |
|--------------------------------------|----------|--------------------|----------|-------------|----------|----------|------------|----------|--------|------------|----------|--------|--------------|----------|--------|----------------|--------|---------|-------------|--------|---------|------------------|--------|---------|----------|--------|---------|--|
| | | | | INTERVALS | | | | | | | | | | | | | | | | | | | | | Total | | | |
| | | | | 000 to 206 | | | 206 to 478 | | | 478 to 950 | | | 950 to 1+406 | | | | | | | | | | | | Total | | | |
| ESTIMATED COST | | Allowances | | 300 | | | 1,100 | | | 1,400 | | | 1,300 | | | 4,100 | | 100 | | | 1200 | | | 100 | | | 19,150 | |
| | | Construction | | 46,405 | | | 20,965 | | | 18,620 | | | 18,115 | | | 104,105 | | 7,735 | | | 22080 | | | 12210 | | | 429,630 | |
| | | Engineering | | 11,600 | | | 4,885 | | | 4,480 | | | 4,300 | | | 25,265 | | 2,750 | | | 5190 | | | 3360 | | | 120,820 | |
| | | Non Administrative | | 895 | | | 400 | | | 300 | | | 310 | | | 1,905 | | 190 | | | 400 | | | 195 | | | 7,850 | |
| TOTAL COST ESTIMATE | | | | 59,200 | | | 27,350 | | | 24,800 | | | 24,025 | | | 135,375 | | 10,775 | | | 28,870 | | | 15,865 | | | 577,450 | |
| ASSESSMENTS | | | | Total ha | Runoff | Total ha | ha | | | ha | | | ha | | | ha | | | ha | | | ha | | | ha | | | |
| Roll No. | Affected | Factor | Adjusted | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | | |
| -8-064-28 A. Dietrich | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 895 | |
| -8-064-30 S. Harrold | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 887 | |
| -8-064-32 L. Kelly | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 887 | |
| -8-064-34 E. Erb | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 887 | |
| -8-064-36 M. McLean | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 887 | |
| -8-064-38 R. Landriault | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 887 | |
| -8-064-40 E. Dietrich | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 887 | |
| -8-064-42 A. Moses | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 887 | |
| -8-064-44 D. Powell | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 887 | |
| -8-064-46 I. Kelly | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 887 | |
| -8-064-50 Blaze Properties Inc | 3.4 | 0.9 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | 6,263 | |
| -8-065-00 Waterloo Catholic District | 0.8 | 2.5 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | 2,000 | |
| -8-066-00 N. Fritz | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 309 | |
| -8-067-00 R. Wilson-Lewis | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 309 | |
| -8-068-00 R. McKenzie | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 1,358 | |
| -8-069-00 J. Honek | 1.7 | 1.5 | 2.6 | | | | | | | | | | | | | | | | | | | | | | | | 2,292 | |
| -8-070-00 E. McCutcheon | 0.8 | 1.5 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | 742 | |
| -8-071-00 D. Westfall | 7.8 | 1.0 | 7.8 | | | | | | | | | | | | | | | | | | | | | | | | 3,098 | |
| -8-071-01 J. Kidd | 0.2 | 2.5 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | 459 | |
| -8-071-02 S. Schaefer | 0.2 | 2.5 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | 456 | |
| -8-073-00 Ron Stoesser Aluminum L | 16.1 | 1.0 | 16.1 | | 16.1 | 2,081 | | 16.1 | 1,038 | | | | | | 3,119 | | | | 16.1 | 1550 | | | | | | | 9,990 | |
| -8-073-01 J. Venclik Jr | 10.1 | 0.9 | 9.5 | | 9.5 | 1,228 | | 9.5 | 613 | | | | | | 1,841 | | | | 9.5 | 915 | | | | | | | 5,897 | |
| -8-074-00 C. Streicher | 10.0 | 1.0 | 10.0 | | 10.0 | 1,292 | | 10.0 | 645 | | | | | | 1,937 | | | | 10.0 | 963 | | | | | | | 6,205 | |
| -8-075-00 J. Rai | 2.9 | 0.5 | 1.5 | | 1.5 | 194 | | 1.5 | 97 | | | | | | 291 | | | | 1.5 | 144 | | | | | | | 931 | |
| -8-086-00 R. Moser | 0.1 | 2 | 0.2 | | 0.2 | 26 | | 0.2 | 13 | | | | | | 39 | | | | 0.2 | 19 | | | | | | | 124 | |
| -8-087-00 S. Foster | 2.4 | 1.0 | 2.4 | | 2.4 | 310 | | 2.4 | 155 | | | | | | 465 | | | | 2.4 | 231 | | | | | | | 1,490 | |
| -8-088-00 C. Lobritto | 4.8 | 1.0 | 4.8 | | 4.8 | 620 | | 4.8 | 310 | | | | | | 930 | | | | 4.8 | 462 | | | | | | | 2,979 | |
| -8-088-01 A. Seabrook | 0.9 | 1.6 | 1.4 | | 1.4 | 181 | | 1.4 | 90 | | | | | | 271 | | | | 0.9 | 87 | | | | | | | 821 | |
| -8-089-01 M. Smrcek | 0.5 | 1.0 | 0.5 | | 0.5 | 65 | | 0.5 | 32 | | | | | | 97 | | | | 0.5 | 48 | | | | | | | 310 | |
| -9-012-00 S. Winkler | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 383 | |
| -9-013-00 B. Haid | 0.2 | 2.0 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | 426 | |
| -9-014-00 Wilmot Township | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-015-00 K. Detzler | 1.8 | 1.0 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | 770 | |
| -9-016-00 Kevard Holdings Inc | 1.9 | 1.0 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | | 813 | |
| -9-017-00 Wilmot Township | 2.7 | 1.5 | 4.1 | | | | | | | | | | | | | | | | | | | | | | | | 2,008 | |
| -9-018-00 P. Reidt | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 383 | |
| -9-019-00 D. Foulds | 0.4 | 1.0 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | 426 | |
| -9-020-00 C. Winkler, C. Leonardo | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 383 | |
| -9-021-00 Larmelo Enterprises Inc. | 0.4 | 2.5 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | 682 | |
| -9-022-00 Angie's Kitchen Ltd | 0.3 | 2.7 | 0.8 | | | | | | | | | | | | | | | | | | | | | | | | 597 | |
| -9-023-00 P. Sieling | 0.2 | 2.5 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | 468 | |
| -9-024-00 J. Lindsay | 0.1 | 1.0 | 0.1 | | | | | | | | | | | | | | | | | | | | | | | | 298 | |
| -9-026-00 Roman Catholic Church | 0.4 | 1.0 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | 171 | |
| -9-027-00 H. Weiler | 1.5 | 1.0 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | 1,141 | |
| -9-032-05 W. Lindsay | | | | | | | | | | | | | | | | | | | | | | | | | | | 100 | |
| -9-033-00 J. Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | 500 | |
| -9-034-01 R. Ziegler | | | | | | | | | | | | | | | | | | | | | | | | | | | 1,000 | |
| -9-043-00 D. Scholefield | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 383 | |
| -9-045-00 M. Kennedy | 0.4 | 2.5 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | 682 | |
| -9-046-00 E. Pfenning | 0.4 | 1.5 | 0.6 | | | | | | | | | | | | | | | | | | | | | | | | 511 | |
| -9-047-00 RJPS Holdings Ltd | 0.3 | 2.0 | 0.6 | | | | | | | | | | | | | | | | | | | | | | | | 511 | |
| -9-048-00 G. Schnarr | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 383 | |
| -9-049-00 S. Hiemer | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 383 | |
| -9-050-00 J. Schlueter | 0.1 | 3.0 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 383 | |
| -9-051-00 B. & D. Piggott | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-052-00 R. Jenkins | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-053-00 N. Snider | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-054-00 H. Durrer | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-055-00 S. Hergott | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-056-00 R. Dietrich | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-057-00 M. Guthrie | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-058-00 R. Landers | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-059-00 P. Bezpaly | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-060-00 B. Webber | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | 340 | |
| -9-060-01 J. Stemmler | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | | | | | | 383 | |

| | | | | East Branch | | | | | | | | | | | | Strauss Branch | | | Haid Branch | | | Kraehling Branch | | | Grand Total | | | |
|--|----------|--------------------|----------|-------------|----------|----------|------------|----------|--------|------------|----------|---------|--------------|----------|--------|----------------|----------|--------|-------------|----------|--------|------------------|--------|--------|----------------|------------|--|--|
| | | | | INTERVALS | | | | | | | | | | | | Total | | | 000 to 062 | | | 000 to 361 | | | | 000 to 032 | | |
| | | | | 000 to 206 | | | 206 to 478 | | | 478 to 950 | | | 950 to 1+406 | | | | | | 000 to 062 | | | 000 to 361 | | | | 000 to 032 | | |
| ESTIMATED COST | | Allowances | | 300 | | 1,100 | | 1,400 | | 1,300 | | 4,100 | | 100 | | 1200 | | 100 | | 19,150 | | | | | | | | |
| | | Construction | | 46,405 | | 20,965 | | 18,620 | | 18,115 | | 104,105 | | 7,735 | | 22080 | | 12210 | | 429,630 | | | | | | | | |
| | | Engineering | | 11,600 | | 4,885 | | 4,480 | | 4,300 | | 25,265 | | 2,750 | | 5190 | | 3360 | | 120,820 | | | | | | | | |
| | | Non Administrative | | 895 | | 400 | | 300 | | 310 | | 1,905 | | 190 | | 400 | | 195 | | 7,850 | | | | | | | | |
| TOTAL COST ESTIMATE | | | | 59,200 | | 27,350 | | 24,800 | | 24,025 | | 135,375 | | 10,775 | | 28,870 | | 15,865 | | 577,450 | | | | | | | | |
| ASSESSMENTS | | | | Total ha | Runoff | Total ha | ha | | | ha | | | ha | | | ha | | | ha | | | | | | | | | |
| Roll No. | Affected | Factor | Adjusted | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | Benefit | adjusted | Outlet | | | | | | | |
| -9-060-02 C. Stemmler | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-062-00 K. Huras | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-063-00 G. Langer | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-064-00 M. Straus | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-064-10 M. Lee | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-065-00 J. Solberg | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-066-00 A. Dubrick | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-067-00 W. Tschirhart | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-068-00 P. Hessler | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-069-00 D. Neugebauer | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-070-00 A. Anderson | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-071-00 R. Heimpel | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-072-00 J. Young | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-073-00 J. Kroetsch | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-074-00 M. Facchini | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-075-00 D. & H. Shantz | 0.2 | 2.0 | 0.4 | | | | | | | | | | | | | | | | | | | 426 | | | | | | |
| -9-076-00 G. Brotheras | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-077-00 R. Carothers | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-078-00 M. Healey | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-079-00 G. Dietrich | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-080-00 D. O'Dea | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-081-00 D. Eby | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-082-00 J. Jacky | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-083-00 B. & J. Stemmler | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-084-00 D. Rola | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-085-00 D. Roth | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-086-00 L. Hurlbut | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-086-01 M. Baulk | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-086-02 Wilmot Township | 0.3 | 1.0 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-087-00 P. Goodyear, H. Zeigler | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-088-00 B. Bast | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-089-00 D. Maue | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-090-00 D. Hiemer | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-091-00 D. Gueguen | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-092-00 D. Purdy | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-093-00 S. Houtsma | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-110-00 A. Sararas | 1.8 | 1.0 | 1.8 | | | | | | | | | | | | | | | | | | | 770 | | | | | | |
| -9-110-01 A. Straus | 0.4 | 1.0 | 0.4 | | | | | | | | | | | | | | | | | | | 171 | | | | | | |
| -9-112-00 W. Snyder | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-113-00 D. Kittel | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-114-00 B. Stemmler | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-115-00 S. Atkinson, M. Shaw | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-116-00 M. Okum | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-117-00 O. Ferber | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| -9-118-00 D. Carroll | 0.2 | 1.5 | 0.3 | | | | | | | | | | | | | | | | | | | 383 | | | | | | |
| -9-119-00 N. Peterson | 0.1 | 2.0 | 0.2 | | | | | | | | | | | | | | | | | | | 340 | | | | | | |
| Notre Dame Drive | | | | 2.5 | 3.0 | 7.5 | | | | | | | | | | | | | | | | 74,230 | | | | | | |
| Special Assessment to Notre Dame Drive | | | | | | | | | | | | | | | | | | | | | | 21,040 | | | | | | |
| Erbs Road | 5.3 | 3.0 | 15.9 | 3,000 | 9.9 | 1,276 | 6.9 | 442 | 2,500 | 5.7 | 1,962 | 6,000 | 0.9 | 529 | 11,500 | 4,209 | 2,500 | 0.6 | 171 | | | 1,500 | 4.8 | 1,579 | 62,975 | | | |
| Special Assessment to Erbs Road | | | | | | | | | | | | | | | | | | | | | | 10,990 | | | 33,650 | | | |
| Wilby Road | 1.5 | 2.5 | 3.8 | | 3.8 | 488 | 3.8 | 245 | | | | | | | 733 | | | | 3.8 | 367 | | | | | 2,355 | | | |
| St. Ann Drive | 0.6 | 3.0 | 1.8 | | | | | | | | | | | | | | | | | | | | | | 4,972 | | | |
| Wilma Street | 0.4 | 3.0 | 1.2 | | | | | | | | | | | | | | | | | | | | | | 4,715 | | | |
| Clarence Avenue | 0.7 | 3.0 | 2.1 | | | | | | | | | | | | | | | | | | | | | | 5,100 | | | |
| Strauss Court | 0.4 | 3.0 | 1.2 | 6,000 | 1.2 | 155 | | | | | | | | | 6,000 | 155 | 2,500 | 1.2 | 347 | | | | | | 12,697 | | | |
| TOTAL | 252.4 | | 300.3 | 36,300 | | 22,900 | 18,000 | | 9,350 | 17,500 | | 7,300 | 18,500 | | 5,525 | 90,300 | 45,075 | 9,300 | | 1,475 | 19,000 | | 9,870 | 13,990 | 1,875 | 577,450 | | |
| OUTLET ASSESSMENTS | | | | | | 22,900 | | 9,350 | | 7,300 | | 5,525 | | | | | | 1,475 | | 9,870 | | | 1,875 | | | | | |
| Ha into Interval | | | | | | 177.2 | | 145.0 | | 21.2 | | 9.4 | | | | | | 5.1 | | 102.5 | | | 5.7 | | | | | |
| Outlet Rate/Ha | | | | | | 129.23 | | 64.48 | | 344.34 | | 587.77 | | | | | | 289.22 | | 96.29 | | | 328.95 | | | | | |

**Schedule B - Schedule of Assessments for Future Maintenance
ST AGATHA DRAIN 2015 Township of Wilmot**

| | | | | MAIN DRAIN | | | | | | | | WEST BR | | NOTRE DAME BR | | | | EAST BR | | | | STRAUSS BR | | HAID BR | | KRAEHLING BR | | | | | | | |
|--------|-----|-------------|----------------------|------------|------|--------------|-------|----------------|-------|----------------|------|----------------|------|---------------|---|------------|---|------------|---|------------|-------|------------|-------|------------|-------|--------------|-------|------------|-------|------------|-------|------------|--|
| | | Roll No. | | 606 to 813 | | 813 to 1+074 | | 1+074 to 1+330 | | 1+330 to 1+348 | | 1+348 to 1+438 | | 000 to 088 | | 000 to 466 | | 466 to 595 | | 000 to 206 | | 206 to 478 | | 478 to 950 | | 950 to 1+406 | | 000 to 062 | | 000 to 361 | | 000 to 032 | |
| Con | Lot | 080 | Owner | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | | |
| S.E.R. | 6 | -008-002-00 | E. Sooley | 19 | 0.04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-003-00 | 2029941 Ont Inc | 13 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-003-01 | K. Henrich | 50 | 0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-004-00 | J. Simas | 38 | 0.08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-005-00 | A. Dicknoether | 13 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-006-00 | D. Brundula | 13 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-007-00 | A. Fisher | 13 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-007-01 | E. Weikmann | 13 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-008-00 | B. Burns | 19 | 0.04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-009-00 | H. Biddiscombe | 19 | 0.04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-010-00 | R. Dietrich | 13 | 0.03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-011-00 | J. Pomeroy | 31 | 0.06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-012-00 | L. Haid | 3,742 | 7.65 | 9,574 | 15.01 | 9,770 | 15.95 | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-013-00 | Faz Investments Inc | 63 | 0.13 | 162 | 0.25 | 152 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-014-00 | T. Schmidt | 352 | 0.72 | 724 | 1.14 | 199 | 0.32 | 11 | 0.11 | 29 | 0.13 | | | | | | | 181 | 0.47 | | | | | | | 116 | 1.34 | | | | |
| S.E.R. | 6 | -008-014-01 | R. Dhaliwal | 25 | 0.05 | 89 | 0.14 | 82 | 0.13 | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-014-02 | K. Dietrich | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 6 | -008-014-03 | J. Aikins | 38 | 0.08 | 113 | 0.18 | 105 | 0.17 | 5 | 0.05 | 27 | 0.12 | | | | | | | 228 | 0.59 | | | | | | | 324 | 3.76 | | | | |
| S.E.R. | 6 | -008-014-04 | D. Baumbach | 25 | 0.05 | 89 | 0.14 | 82 | 0.13 | 3 | 0.03 | 23 | 0.10 | | | | | | | 202 | 0.52 | | | | | | | 266 | 3.08 | | | | |
| S.E.R. | 6 | -008-014-05 | R. Schmitt | 25 | 0.05 | 89 | 0.14 | 82 | 0.13 | 3 | 0.03 | 23 | 0.10 | | | | | | | 202 | 0.52 | | | | | | | 266 | 3.08 | | | | |
| S.E.R. | 6 | -008-014-06 | J. Weiler | 25 | 0.05 | 89 | 0.14 | 82 | 0.13 | 3 | 0.03 | 23 | 0.10 | | | | | | | 202 | 0.52 | | | | | | | 266 | 3.08 | | | | |
| S.E.R. | 6 | -008-014-07 | L. Petrunak | 19 | 0.04 | 77 | 0.12 | 58 | 0.09 | 2 | 0.02 | 4 | 0.02 | | | | | | | 176 | 0.46 | | | | | | | 208 | 2.41 | | | | |
| S.E.R. | 6 | -008-014-08 | R. Shaw | 19 | 0.04 | 77 | 0.12 | 35 | 0.06 | | | | | | | | | | | 150 | 0.39 | | | | | | | 150 | 1.74 | | | | |
| S.E.R. | 6 | -008-014-09 | K. Gerber | 31 | 0.06 | 101 | 0.16 | 35 | 0.06 | | | | | | | | | | | 150 | 0.39 | | | | | | | 150 | 1.74 | | | | |
| S.E.R. | 6 | -008-014-11 | B. Carter | 25 | 0.05 | 89 | 0.14 | 82 | 0.13 | 2 | 0.02 | 19 | 0.08 | | | | | | | 176 | 0.46 | | | | | | | 208 | 2.41 | | | | |
| S.E.R. | 6 | -008-014-12 | G. Nicoli | 25 | 0.05 | 89 | 0.14 | 82 | 0.13 | 2 | 0.02 | 19 | 0.08 | | | | | | | 176 | 0.46 | | | | | | | 208 | 2.41 | | | | |
| S.E.R. | 6 | -008-014-13 | N. Wilhelm | 38 | 0.08 | 113 | 0.18 | 105 | 0.17 | 2 | 0.02 | 21 | 0.09 | | | | | | | 189 | 0.49 | | | | | | | 237 | 2.75 | | | | |
| S.E.R. | 6 | -008-014-14 | Region of Waterloo | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | | | | | | | 176 | 0.46 | | | | | | | 208 | 2.41 | | | | |
| S.E.R. | 6 | -008-015-00 | T. Schmidt | 19 | 0.04 | 37 | 0.06 | 35 | 0.06 | 2 | 0.02 | 6 | 0.03 | | | | | | | 39 | 0.10 | | | | | | | | | | | | |
| S.E.R. | 5&6 | -008-016-00 | J. Droppert | 346 | 0.71 | 671 | 1.05 | 645 | 1.05 | 43 | 0.42 | 112 | 0.49 | | | | | | | 711 | 1.84 | | | | | | | | | | | | |
| S.E.R. | 5 | -008-016-01 | E. Hirschberger | 25 | 0.05 | 49 | 0.08 | 47 | 0.08 | 3 | 0.03 | 8 | 0.03 | | | | | | | 52 | 0.13 | | | | | | | | | | | | |
| S.E.R. | 5 | -008-017-00 | D. Kroetsch | 25 | 0.05 | 49 | 0.08 | 47 | 0.08 | 3 | 0.03 | 8 | 0.03 | | | | | | | 52 | 0.13 | 26 | 0.14 | 138 | 0.86 | | | | | 132 | 3.91 | | |
| S.E.R. | 5 | -008-017-01 | RJS Farms Ltd | 132 | 0.27 | 256 | 0.40 | 246 | 0.40 | 16 | 0.16 | 43 | 0.19 | | | | | | | 271 | 0.70 | 71 | 0.39 | 922 | 5.74 | | | | | 914 | 27.08 | | |
| N.E.R. | 4 | -008-043-00 | J. Nedeljkovich | 19 | 0.04 | 37 | 0.06 | 35 | 0.06 | 2 | 0.02 | 6 | 0.03 | | | | | | | 39 | 0.10 | 19 | 0.10 | 103 | 0.64 | 226 | 1.27 | | | | | | |
| N.E.R. | 4 | -008-044-00 | E. Remers | 13 | 0.03 | 24 | 0.04 | 23 | 0.04 | 2 | 0.02 | 4 | 0.02 | | | | | | | 26 | 0.07 | 13 | 0.07 | 69 | 0.43 | 168 | 0.95 | | | | | | |
| N.E.R. | 4 | -008-045-00 | K. Asselin | 38 | 0.08 | 73 | 0.11 | 70 | 0.11 | 5 | 0.05 | 12 | 0.05 | | | | | | | 78 | 0.20 | 39 | 0.21 | 207 | 1.29 | 503 | 2.83 | | | | | | |
| N.E.R. | 4 | -008-046-00 | N. Dietrich | 2,044 | 4.18 | 3,967 | 6.22 | 3,814 | 6.23 | 255 | 2.51 | 663 | 2.89 | | | | | | | 4,200 | 10.89 | 2096 | 11.42 | 3298 | 20.55 | 7349 | 41.34 | | | 2,253 | 11.63 | | |
| N.E.R. | 5 | -008-047-00 | J. Bak | 2,170 | 4.43 | 4,211 | 6.60 | 4,048 | 6.61 | 270 | 2.66 | 704 | 3.07 | | | | | | | 4,459 | 11.57 | 2725 | 14.85 | 2981 | 18.57 | 3000 | 16.88 | | | 3,398 | 17.54 | | |
| N.E.R. | 5 | -008-048-00 | L. Haid | 837 | 1.71 | 1,623 | 2.55 | 1,561 | 2.55 | 104 | 1.02 | 271 | 1.18 | | | | | | | 1,719 | 4.46 | 2358 | 12.85 | 5120 | 31.90 | | | | | 5,933 | 30.63 | | |
| N.E.R. | 5 | -008-049-00 | M. Barney | 25 | 0.05 | 49 | 0.08 | 47 | 0.08 | 3 | 0.03 | 8 | 0.03 | | | | | | | 52 | 0.13 | 26 | 0.14 | | | | | | | | | | |
| N.E.R. | 5 | -008-050-00 | S. Earle | 25 | 0.05 | 49 | 0.08 | 47 | 0.08 | 3 | 0.03 | 8 | 0.03 | | | | | | | 52 | 0.13 | 26 | 0.14 | | | | | | | | | | |
| N.E.R. | 5 | -008-051-00 | S. Dietrich | 25 | 0.05 | 49 | 0.08 | 47 | 0.08 | 3 | 0.03 | 8 | 0.03 | | | | | | | 52 | 0.13 | 26 | 0.14 | | | | | | | | | | |
| N.E.R. | 5 | -008-051-01 | T. Shantz | 25 | 0.05 | 49 | 0.08 | 47 | 0.08 | 3 | 0.03 | 8 | 0.03 | | | | | | | 52 | 0.13 | 26 | 0.14 | | | | | | | | | | |
| N.E.R. | 5 | -008-052-00 | K. Nowak | 63 | 0.13 | 122 | 0.19 | 117 | 0.19 | 8 | 0.08 | 20 | 0.09 | | | | | | | 129 | 0.33 | 64 | 0.35 | | | | | | | | | | |
| N.E.R. | 5 | -008-053-00 | S. Dubrick, D. Moore | 25 | 0.05 | 49 | 0.08 | 47 | 0.08 | 3 | 0.03 | 8 | 0.03 | | | | | | | 52 | 0.13 | 26 | 0.14 | | | | | | | | | | |
| N.E.R. | 5 | -008-053-01 | T. Grant | 1,013 | 2.07 | 1,965 | 3.08 | 1,889 | 3.08 | 126 | 1.24 | 328 | 1.43 | | | | | | | 3,331 | 8.64 | 3629 | 19.78 | | | | | 3,000 | 15.49 | | | | |
| N.E.R. | 5 | -008-054-00 | J. Grant | 151 | 0.31 | 293 | 0.46 | 282 | 0.46 | 19 | 0.19 | 49 | 0.21 | | | | | | | 1,560 | 4.05 | 3500 | 19.07 | | | | | | | | | | |
| N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Schedule B - Schedule of Assessments for Future Maintenance
ST AGATHA DRAIN 2015 Township of Wilmot**

| | | | | | | MAIN DRAIN | | | | | | | | | | WEST BR | | NOTRE DAME BR | | | | EAST BR | | | | | | | | STRAUSS BR | | HAID BR | | KRAEHLING BR | | | |
|--------|-----|-------------|---|-------|------|------------|------|--------------|------|----------------|---|----------------|------|----------------|------|------------|------|---------------|-------|------------|------|------------|------|------------|------|------------|---|--------------|---|------------|---|------------|-------|--------------|---|--|--|
| | | Roll No. | | | | 606 to 813 | | 813 to 1+074 | | 1+074 to 1+330 | | 1+330 to 1+348 | | 1+348 to 1+438 | | 000 to 088 | | 000 to 466 | | 466 to 595 | | 000 to 206 | | 206 to 478 | | 478 to 950 | | 950 to 1+406 | | 000 to 062 | | 000 to 361 | | 000 to 032 | | | |
| Con | Lot | 080 | Owner | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | | |
| N.E.R. | 6 | -008-064-40 | E. Dietrich | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | | | 2 | 0.02 | 21 | 0.09 | 308 | 2.34 | 300 | 2.16 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-064-42 | A. Moses | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | | | 2 | 0.02 | 21 | 0.09 | 308 | 2.34 | 300 | 2.16 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-064-44 | D. Powell | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | | | 2 | 0.02 | 21 | 0.09 | 308 | 2.34 | 300 | 2.16 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-064-46 | I. Kelly | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | | | 2 | 0.02 | 21 | 0.09 | 308 | 2.34 | 300 | 2.16 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-064-50 | Blaze Properties Inc | 201 | 0.41 | 391 | 0.61 | 376 | 0.61 | | | 25 | 0.25 | 65 | 0.28 | 86 | 0.65 | 2119 | 15.28 | 500 | 7.86 | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-065-00 | Waterloo Catholic District School Board | 126 | 0.26 | 284 | 0.45 | 270 | 0.44 | | | 16 | 0.16 | 56 | 0.24 | 67 | 0.51 | 579 | 4.18 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-066-00 | N. Fritz | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | | | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-067-00 | R. Wilson-Lewis | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | | | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-068-00 | R. McKenzie | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | | | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 509 | 8.01 | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-069-00 | J. Honek | 164 | 0.34 | 357 | 0.56 | 340 | 0.56 | | | 20 | 0.20 | 68 | 0.30 | 83 | 0.63 | 116 | 0.84 | 530 | 8.34 | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-070-00 | E. McCutcheon | 75 | 0.15 | 186 | 0.29 | 176 | 0.29 | | | 9 | 0.09 | 39 | 0.17 | 45 | 0.34 | 61 | 0.44 | 25 | 0.39 | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-071-00 | D. Westfall | 491 | 1.00 | 952 | 1.49 | 915 | 1.49 | | | 61 | 0.60 | 159 | 0.69 | 210 | 1.60 | 310 | 2.24 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-071-01 | J. Kidd | 31 | 0.06 | 101 | 0.16 | 94 | 0.15 | | | 4 | 0.04 | 25 | 0.11 | 26 | 0.20 | 33 | 0.24 | 19 | 0.30 | | | | | | | | | | | | | | | | |
| N.E.R. | 6 | -008-071-02 | S. Schaefer | 31 | 0.06 | 101 | 0.16 | 94 | 0.15 | | | 4 | 0.04 | 25 | 0.11 | 26 | 0.20 | 33 | 0.24 | 16 | 0.25 | | | | | | | | | | | | | | | | |
| N.E.R. | 5 | -008-073-00 | Ron Stoesser Aluminum | 1,013 | 2.07 | 1,965 | 3.08 | 1,889 | 3.08 | | | 126 | 1.24 | 328 | 1.43 | | | | | | | 2,081 | 5.40 | 1038 | 5.66 | | | | | | | | 1,550 | 8.00 | | | |
| N.E.R. | 4 | -008-073-01 | J. Venclik Jr | 598 | 1.22 | 1,160 | 1.82 | 1,115 | 1.82 | | | 74 | 0.73 | 194 | 0.84 | | | | | | | 1,228 | 3.19 | 613 | 3.34 | | | | | | | | 915 | 4.72 | | | |
| N.E.R. | 4 | -008-074-00 | C. Streicher | 629 | 1.29 | 1,221 | 1.91 | 1,173 | 1.92 | | | 78 | 0.77 | 204 | 0.89 | | | | | | | 1,292 | 3.35 | 645 | 3.51 | | | | | | | | 963 | 4.97 | | | |
| N.E.R. | 4 | -008-075-00 | J. Rai | 94 | 0.19 | 183 | 0.29 | 176 | 0.29 | | | 12 | 0.12 | 31 | 0.13 | | | | | | | 194 | 0.50 | 97 | 0.53 | | | | | | | | 144 | 0.74 | | | |
| 1 | 3 | -008-086-00 | R. Moser | 13 | 0.03 | 24 | 0.04 | 23 | 0.04 | | | 2 | 0.02 | 4 | 0.02 | | | | | | | 26 | 0.07 | 13 | 0.07 | | | | | | | | 19 | 0.10 | | | |
| 1 | 4 | -008-087-00 | S. Foster | 151 | 0.31 | 293 | 0.46 | 282 | 0.46 | | | 19 | 0.19 | 49 | 0.21 | | | | | | | 310 | 0.80 | 155 | 0.84 | | | | | | | | 231 | 1.19 | | | |
| 1 | 4 | -008-088-00 | C. Lobrutto | 302 | 0.62 | 586 | 0.92 | 563 | 0.92 | | | 38 | 0.37 | 98 | 0.43 | | | | | | | 620 | 1.61 | 310 | 1.69 | | | | | | | | 462 | 2.39 | | | |
| 1 | 4 | -008-088-01 | A. Seabrook | 88 | 0.18 | 171 | 0.27 | 164 | 0.27 | | | 11 | 0.11 | 29 | 0.13 | | | | | | | 181 | 0.47 | 90 | 0.49 | | | | | | | | 87 | 0.45 | | | |
| 1 | 5 | -008-089-01 | M. Smrcek | 31 | 0.06 | 61 | 0.10 | 59 | 0.10 | | | 4 | 0.04 | 10 | 0.04 | | | | | | | 65 | 0.17 | 32 | 0.17 | | | | | | | | 48 | 0.25 | | | |
| S.E.R. | 7 | -009-012-00 | S. Winkler | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | | | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-013-00 | B. Haid | 25 | 0.05 | 89 | 0.14 | 82 | 0.13 | | | 3 | 0.03 | 23 | 0.10 | 24 | 0.18 | 29 | 0.21 | 25 | 0.39 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-014-00 | Wilmot Township | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | | | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | |
| S.E.R. | 7&8 | -009-015-00 | K. Detzler | 113 | 0.23 | 220 | 0.34 | 211 | 0.34 | | | 14 | 0.14 | 37 | 0.16 | 49 | 0.37 | 72 | 0.52 | 54 | 0.85 | | | | | | | | | | | | | | | | |
| S.E.R. | 7&8 | -009-016-00 | Kevard Holdings Inc | 120 | 0.25 | 232 | 0.36 | 223 | 0.36 | | | 15 | 0.15 | 39 | 0.17 | 51 | 0.39 | 76 | 0.55 | 57 | 0.90 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-017-00 | Wilmot Township | 258 | 0.53 | 540 | 0.85 | 516 | 0.84 | | | 32 | 0.32 | 99 | 0.43 | 124 | 0.94 | 176 | 1.27 | 137 | 2.15 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-018-00 | P. Reidt | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | | | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-019-00 | D. Foulds | 25 | 0.05 | 89 | 0.14 | 82 | 0.13 | | | 3 | 0.03 | 23 | 0.10 | 24 | 0.18 | 29 | 0.21 | 25 | 0.39 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-020-00 | C. Winkler, C. Leonardo | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | | | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-021-00 | Larmelo Enterprises Inc. | 63 | 0.13 | 162 | 0.25 | 152 | 0.25 | | | 8 | 0.08 | 35 | 0.15 | 40 | 0.30 | 53 | 0.38 | 43 | 0.68 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-022-00 | Angie's Kitchen Ltd | 50 | 0.10 | 138 | 0.22 | 129 | 0.21 | | | 6 | 0.06 | 31 | 0.13 | 35 | 0.27 | 45 | 0.32 | 37 | 0.58 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-023-00 | P. Sieling | 31 | 0.06 | 101 | 0.16 | 94 | 0.15 | | | 4 | 0.04 | 25 | 0.11 | 26 | 0.20 | 33 | 0.24 | 28 | 0.44 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-024-00 | J. Lindsay | 6 | 0.01 | 52 | 0.08 | 47 | 0.08 | | | 1 | 0.01 | 17 | 0.07 | 16 | 0.12 | 17 | 0.12 | 16 | 0.25 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-026-00 | Roman Catholic Church | 25 | 0.05 | 49 | 0.08 | 47 | 0.08 | | | 3 | 0.03 | 8 | 0.03 | 11 | 0.08 | 16 | 0.12 | 12 | 0.19 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-027-00 | H. Weiler | 344 | 0.70 | 183 | 0.29 | 176 | 0.29 | | | 12 | 0.12 | 31 | 0.13 | 40 | 0.30 | 60 | 0.43 | 45 | 0.71 | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-032-05 | W. Lindsay | 50 | 0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-033-00 | J. Beam | 250 | 0.51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S.E.R. | 7 | -009-034-01 | R. Ziegler | 500 | 1.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Schedule B - Schedule of Assessments for Future Maintenance
ST AGATHA DRAIN 2015 Township of Wilmot**

| | | | | MAIN DRAIN | | | | | | | | | | WEST BR | | NOTRE DAME BR | | EAST BR | | | | | | STRAUSS BR | HAID BR | KRAEHLING BR | | | | | | | | | | | |
|--|-----|-------------|-------------------------|--------------------|--------|--------------|--------|----------------|--------|----------------|--------|----------------|--------|------------|--------|---------------|--------|------------|--------|------------|--------|------------|--------|------------|---------|--------------|--------|------------|--------|------------|--------|------------|--------|-------|--|--|--|
| | | Roll No. | | 606 to 813 | | 813 to 1+074 | | 1+074 to 1+330 | | 1+330 to 1+348 | | 1+348 to 1+438 | | 000 to 088 | | 000 to 466 | | 466 to 595 | | 000 to 206 | | 206 to 478 | | 478 to 950 | | 950 to 1+406 | | 000 to 062 | | 000 to 361 | | 000 to 032 | | | | | |
| Con | Lot | 080 | Owner | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | \$ | % | | | | |
| N.E.R. | 7 | -009-073-00 | J. Kroetsch | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-074-00 | M. Facchini | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-075-00 | D. & H. Shantz | 25 | 0.05 | 89 | 0.14 | 82 | 0.13 | 3 | 0.03 | 23 | 0.10 | 24 | 0.18 | 29 | 0.21 | 25 | 0.39 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-076-00 | G. Brotheras | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-077-00 | R. Carothers | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-078-00 | M. Healey | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-079-00 | G. Dietrich | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-080-00 | D. O'Dea | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-081-00 | D. Eby | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-082-00 | J. Jacky | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-083-00 | B. & J. Stemmler | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-084-00 | D. Rola | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-085-00 | D. Roth | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-086-00 | L. Hurlbut | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-086-01 | M. Baulk | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-086-02 | Wilmot Township | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-087-00 | P. Goodyear, H. Zeigler | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-088-00 | B. Bast | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-089-00 | D. Maue | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-090-00 | D. Hiemer | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-091-00 | D. Gueguen | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-092-00 | D. Purdy | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-093-00 | S. Houtsma | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-110-00 | A. Sararas | 113 | 0.23 | 220 | 0.34 | 211 | 0.34 | 14 | 0.14 | 37 | 0.16 | 49 | 0.37 | 72 | 0.52 | 54 | 0.85 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-110-01 | A. Straus | 25 | 0.05 | 49 | 0.08 | 47 | 0.08 | 3 | 0.03 | 8 | 0.03 | 11 | 0.08 | 16 | 0.12 | 12 | 0.19 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-112-00 | W. Snyder | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-113-00 | D. Kittel | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-114-00 | B. Stemmler | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-115-00 | S. Atkinson, M. Shaw | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-116-00 | M. Okum | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-117-00 | O. Ferber | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-118-00 | D. Carroll | 19 | 0.04 | 77 | 0.12 | 70 | 0.11 | 2 | 0.02 | 21 | 0.09 | 21 | 0.16 | 25 | 0.18 | 22 | 0.35 | | | | | | | | | | | | | | | | | | |
| N.E.R. | 7 | -009-119-00 | N. Peterson | 13 | 0.03 | 64 | 0.10 | 58 | 0.09 | 2 | 0.02 | 19 | 0.08 | 18 | 0.14 | 21 | 0.15 | 19 | 0.30 | | | | | | | | | | | | | | | | | | |
| Total Assessments on Lands: | | | | 22,355 | 45.90 | 49,509 | 77.63 | 47,091 | 76.47 | 4,414 | 43.56 | 16,783 | 72.86 | 11,324 | 86.20 | 11,909 | 85.80 | 3,512 | 55.37 | 32,131 | 83.31 | 17,663 | 96 | 12,838 | 80 | 11,246 | 63 | 3,107 | 36.01 | 19,003 | 98.10 | 1,046 | 30.99 | | | | |
| Notre Dame Drive | | | | Region Of Waterloo | 22,962 | 46.71 | 3,086 | 4.86 | 3,073 | 5.22 | 538 | 5.30 | 2,608 | 11.47 | 630 | 4.77 | 1,184 | 8.63 | 2,149 | 33.66 | | | | | | | | | | | | | | | | | |
| Erbs Road | | | | Region Of Waterloo | 2,991 | 6.11 | 6,943 | 10.76 | 6,891 | 11.41 | 5,120 | 50.36 | 2,768 | 12.16 | 590 | 4.47 | 119 | 0.86 | 94 | 1.48 | 2,776 | 7.24 | 442 | 2.43 | 3,212 | 20.02 | 6,529 | 36.73 | 2,671 | 30.98 | | | 2,329 | 69.01 | | | |
| Wilby Road | | | | Region Of Waterloo | 237 | 0.48 | 464 | 0.75 | 446 | 0.75 | 30 | 0.30 | 78 | 0.34 | | | | | | 488 | 1.27 | 245 | 1.34 | | | | | | | | | | | | | | |
| St. Ann Drive | | | | Region Of Waterloo | 113 | 0.23 | 970 | 1.54 | 961 | 1.60 | 14 | 0.14 | 187 | 0.81 | 201 | 1.53 | 222 | 1.60 | 204 | 3.21 | | | | | | | | | | | | | | | | | |
| Wilma Street | | | | Region Of Waterloo | 75 | 0.15 | 896 | 1.43 | 891 | 1.45 | 9 | 0.09 | 174 | 0.76 | 186 | 1.42 | 198 | 1.43 | 186 | 2.93 | | | | | | | | | | | | | | | | | |
| Clarence Avenue | | | | Region Of Waterloo | 132 | 0.27 | 1,006 | 1.60 | 996 | 1.65 | 16 | 0.16 | 193 | 0.84 | 211 | 1.61 | 233 | 1.68 | 213 | 3.35 | | | | | | | | | | | | | | | | | |
| Strauss Court | | | | Region Of Waterloo | 75 | 0.15 | 896 | 1.43 | 891 | 1.45 | 9 | 0.09 | 174 | 0.76 | | | | | | 3,155 | 8.18 | | | | | | | 2,847 | 33.01 | | | | | | | | |
| Total Assessments on Roads: | | | | | 26,585 | 54.10 | 14,261 | 22.37 | 14,149 | 23.53 | 5,736 | 56.44 | 6,182 | 27.14 | 1,818 | 13.80 | 1,956 | 14.20 | 2,846 | 44.63 | 6,419 | 16.69 | 687 | 3.77 | 3,212 | 20.02 | 6,529 | 36.73 | 5,518 | 63.99 | 367 | 1.90 | 2,329 | 69.01 | | | |
| TOTAL ASSESSMENTS ST AGATHA DRAIN 2015 | | | | 48,940 | 100.00 | 63,770 | 100.00 | 61,240 | 100.00 | 10,150 | 100.00 | 22,965 | 100.00 | 13,142 | 100.00 | 13,865 | 100.00 | 6,358 | 100.00 | 38,550 | 100.00 | 18,350 | 100.00 | 16,050 | 100.00 | 17,775 | 100.00 | 8,625 | 100.00 | 19,370 | 100.00 | 3,375 | 100.00 | | | | |
| Note: Agricultural designation not included as grant eligibility has to be confirmed at time of maintenance cost levy. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Schedule C - Schedule for Actual Cost Bylaw
St Agatha Drain 2015 Township of Wilmot**

| | Con. | Lot | Roll No. 080 | Owner | Estimated Assessment | Actual Assessment | 1/3 Grant | Allowances | NET |
|---|--------|-----|-----------------|----------------------------|-------------------------|----------------------|--------------|------------|-----------|
| | S.E.R. | 6 | -8-002-00 | E. Sooley | 819 | 819.00 | | | 819.00 |
| | S.E.R. | 6 | -8-003-00 | 2029941 Ont Inc | 813 | 813.00 | | | 813.00 |
| | S.E.R. | 6 | -8-003-01 | K. Henrich | 850 | 850.00 | | | 850.00 |
| | S.E.R. | 6 | -8-004-00 | J. Simas | 838 | 838.00 | | | 838.00 |
| | S.E.R. | 6 | -8-005-00 | A. Dicknoether | 163 | 163.00 | | | 163.00 |
| | S.E.R. | 6 | -8-006-00 | D. Brundula | 163 | 163.00 | | | 163.00 |
| | S.E.R. | 6 | -8-007-00 | A. Fisher | 163 | 163.00 | | | 163.00 |
| | S.E.R. | 6 | -8-007-01 | E. Weikmann | 163 | 163.00 | | | 163.00 |
| | S.E.R. | 6 | -8-008-00 | B. Burns | 169 | 169.00 | | | 169.00 |
| | S.E.R. | 6 | -8-009-00 | H. Biddiscombe | 819 | 819.00 | | | 819.00 |
| | S.E.R. | 6 | -8-010-00 | R. Dietrich | 813 | 813.00 | | | 813.00 |
| | S.E.R. | 6 | -8-011-00 | J. Pomeroy | 831 | 831.00 | | | 831.00 |
| F | S.E.R. | 6 | -8-012-00 | L. Haid | 23,086 | 23,086.00 | 7,695.33 | 3,600 | 11,790.67 |
| | S.E.R. | 6 | -8-013-00 | Faz Investments Inc | 452 | 452.00 | | | 452.00 |
| F | S.E.R. | 6 | -8-014-00 | T. Schmidt | 1,687 | 1,687.00 | 562.33 | | 1,124.67 |
| | S.E.R. | 6 | -8-014-01 | R. Dhaliwal | 271 | 271.00 | | | 271.00 |
| | S.E.R. | 6 | -8-014-02 | K. Dietrich | 210 | 210.00 | | | 210.00 |
| | S.E.R. | 6 | -8-014-03 | J. Aikins | 1,230 | 1,230.00 | | | 1,230.00 |
| | S.E.R. | 6 | -8-014-04 | D. Baumbach | 1,080 | 1,080.00 | | | 1,080.00 |
| | S.E.R. | 6 | -8-014-05 | R. Schmitt | 1,080 | 1,080.00 | | | 1,080.00 |
| | S.E.R. | 6 | -8-014-06 | J. Weiler | 1,080 | 1,080.00 | | | 1,080.00 |
| | S.E.R. | 6 | -8-014-07 | L. Petrunak | 919 | 919.00 | | | 919.00 |
| | S.E.R. | 6 | -8-014-08 | R. Shaw | 806 | 806.00 | | | 806.00 |
| | S.E.R. | 6 | -8-014-09 | K. Gerber | 842 | 842.00 | | | 842.00 |
| | S.E.R. | 6 | -8-014-11 | B. Carter | 991 | 991.00 | | | 991.00 |
| | S.E.R. | 6 | -8-014-12 | G. Nicoli | 991 | 991.00 | | | 991.00 |
| | S.E.R. | 6 | -8-014-13 | N. Wilhelm | 1,095 | 1,095.00 | | | 1,095.00 |
| | S.E.R. | 6 | -8-014-14 | Region of Waterloo | 930 | 930.00 | | | 930.00 |
| | S.E.R. | 6 | -8-015-00 | T. Schmidt | 138 | 138.00 | | | 138.00 |
| F | S.E.R. | 5&6 | -8-016-00 | J. Droppert | 2,528 | 2,528.00 | 842.67 | | 1,685.33 |
| | S.E.R. | 5 | -8-016-01 | E. Hirschberger | 184 | 184.00 | | | 184.00 |
| | S.E.R. | 5 | -8-017-00 | D. Kroetsch | 480 | 480.00 | | | 480.00 |
| F | S.E.R. | 5 | -8-017-01 | RJS Farms Ltd | 4,371 | 4,371.00 | 1,457.00 | 100 | 2,814.00 |
| | N.E.R. | 4 | -8-043-00 | J. Nedeljkovich | 536 | 536.00 | | | 536.00 |
| | N.E.R. | 4 | -8-044-00 | E. Remers | 392 | 392.00 | | | 392.00 |
| | N.E.R. | 4 | -8-045-00 | K. Asselin | 1,175 | 1,175.00 | | | 1,175.00 |
| F | N.E.R. | 4 | -8-046-00 | N. Dietrich | 33,689 | 33,689.00 | 11,229.67 | 300 | 22,159.33 |
| F | N.E.R. | 5 | -8-047-00 | J. Bak | 33,966 | 33,966.00 | 11,322.00 | 1000 | 21,644.00 |
| F | N.E.R. | 5 | -8-048-00 | L. Haid | 31,026 | 31,026.00 | 10,342.00 | 2600 | 18,084.00 |
| | N.E.R. | 5 | -8-049-00 | M. Barney | 210 | 210.00 | | | 210.00 |
| | N.E.R. | 5 | -8-050-00 | S. Earle | 210 | 210.00 | | | 210.00 |
| | N.E.R. | 5 | -8-051-00 | S. Dietrich | 210 | 210.00 | | | 210.00 |
| | N.E.R. | 5 | -8-051-01 | T. Shantz | 210 | 210.00 | | | 210.00 |
| | N.E.R. | 5 | -8-052-00 | K. Nowak | 523 | 523.00 | | | 523.00 |
| | N.E.R. | 5 | -8-053-00 | S. Dubrick, D. Moore | 210 | 210.00 | | | 210.00 |
| F | N.E.R. | 5 | -8-053-01 | T. Grant | 23,031 | 23,031.00 | 7,677.00 | 600 | 14,754.00 |
| F | N.E.R. | 5 | -8-054-00 | J. Grant | 10,604 | 10,604.00 | 3,534.67 | 500 | 6,569.33 |
| | N.E.R. | 6 | -8-055-00 | Bri-Al Fisher Services Inc | 1,153 | 1,153.00 | | | 1,153.00 |
| | N.E.R. | 6 | -8-056-00 | B. Fisher | 348 | 348.00 | | | 348.00 |
| | N.E.R. | 6 | -8-057-00 | D. Perrin | 348 | 348.00 | | | 348.00 |
| | N.E.R. | 6 | -8-058-00 | T. Malleck | 419 | 419.00 | | | 419.00 |
| | N.E.R. | 6 | -8-059-00 | J. Reinhardt | 241 | 241.00 | | | 241.00 |
| | N.E.R. | 6 | -8-060-00 | P. Bisch | 312 | 312.00 | | | 312.00 |
| | N.E.R. | 6 | -8-062-00 | Roman Catholic Church | 667 | 667.00 | | | 667.00 |
| F | N.E.R. | 6 | -8-063-00 | Kraehling Farms Inc | 60,487 | 60,487.00 | 20,162.33 | 1,400 | 38,924.67 |
| | N.E.R. | 6 | -8-064-00 | Notre Dame Assets Inc | 2,310 | 2,310.00 | | | 2,310.00 |
| | N.E.R. | 6 | -8-064-10 | Waterloo Common Elements | 5,902 | 5,902.00 | | 300 | 5,602.00 |
| | N.E.R. | 6 | -8-064-12 | W. Van Der Eijk | 895 | 895.00 | | 200 | 695.00 |
| | N.E.R. | 6 | -8-064-14 | G. Glaubitz | 895 | 895.00 | | 200 | 695.00 |
| | N.E.R. | 6 | -8-064-16 | L. Hart | 895 | 895.00 | | 200 | 695.00 |
| | N.E.R. | 6 | -8-064-18 | J. Beitz | 895 | 895.00 | | 200 | 695.00 |
| | N.E.R. | 6 | -8-064-20 | B. Feeney | 895 | 895.00 | | 200 | 695.00 |
| | N.E.R. | 6 | -8-064-22 | J. Wahl | 895 | 895.00 | | 200 | 695.00 |
| | N.E.R. | 6 | -8-064-24 | J. Reid | 895 | 895.00 | | 200 | 695.00 |

**Schedule C - Schedule for Actual Cost Bylaw
St Agatha Drain 2015 Township of Wilmot**

| | Con. | Lot | Roll No. 080 | Owner | Estimated Assessment | Actual Assessment | 1/3 Grant | Allowances | NET |
|---|--------|-----|-----------------|-------------------------------|-------------------------|----------------------|--------------|------------|----------|
| | N.E.R. | 6 | -8-064-26 | G. Dietrich | 895 | 895.00 | | 200 | 695.00 |
| | N.E.R. | 6 | -8-064-28 | A. Dietrich | 895 | 895.00 | | 200 | 695.00 |
| | N.E.R. | 6 | -8-064-30 | S. Harrold | 887 | 887.00 | | 200 | 687.00 |
| | N.E.R. | 6 | -8-064-32 | L. Kelly | 887 | 887.00 | | 200 | 687.00 |
| | N.E.R. | 6 | -8-064-34 | E. Erb | 887 | 887.00 | | 200 | 687.00 |
| | N.E.R. | 6 | -8-064-36 | M. McLean | 887 | 887.00 | | 200 | 687.00 |
| | N.E.R. | 6 | -8-064-38 | R. Landriault | 887 | 887.00 | | 200 | 687.00 |
| | N.E.R. | 6 | -8-064-40 | E. Dietrich | 887 | 887.00 | | 200 | 687.00 |
| | N.E.R. | 6 | -8-064-42 | A. Moses | 887 | 887.00 | | 200 | 687.00 |
| | N.E.R. | 6 | -8-064-44 | D. Powell | 887 | 887.00 | | 200 | 687.00 |
| | N.E.R. | 6 | -8-064-46 | I. Kelly | 887 | 887.00 | | 200 | 687.00 |
| | N.E.R. | 6 | -8-064-50 | Blaze Properties Inc | 6,263 | 6,263.00 | | 4350 | 1,913.00 |
| | N.E.R. | 6 | -8-065-00 | Waterloo Catholic District Sc | 2,000 | 2,000.00 | | | 2,000.00 |
| | N.E.R. | 6 | -8-066-00 | N. Fritz | 309 | 309.00 | | | 309.00 |
| | N.E.R. | 6 | -8-067-00 | R. Wilson-Lewis | 309 | 309.00 | | | 309.00 |
| | N.E.R. | 6 | -8-068-00 | R. McKenzie | 1,358 | 1,358.00 | | 300 | 1,058.00 |
| | N.E.R. | 6 | -8-069-00 | J. Honek | 2,292 | 2,292.00 | | 500 | 1,792.00 |
| | N.E.R. | 6 | -8-070-00 | E. McCutcheon | 742 | 742.00 | | | 742.00 |
| F | N.E.R. | 6 | -8-071-00 | D. Westfall | 3,098 | 3,098.00 | 1,032.67 | | 2,065.33 |
| | N.E.R. | 6 | -8-071-01 | J. Kidd | 459 | 459.00 | | | 459.00 |
| | N.E.R. | 6 | -8-071-02 | S. Schaefer | 456 | 456.00 | | | 456.00 |
| F | N.E.R. | 5 | -8-073-00 | Ron Stoesser Aluminum Ltd | 9,990 | 9,990.00 | 3,330.00 | | 6,660.00 |
| F | N.E.R. | 4 | -8-073-01 | J. Venclik Jr | 5,897 | 5,897.00 | 1,965.67 | | 3,931.33 |
| F | N.E.R. | 4 | -8-074-00 | C. Streicher | 6,205 | 6,205.00 | 2,068.33 | | 4,136.67 |
| | N.E.R. | 4 | -8-075-00 | J. Rai | 931 | 931.00 | | | 931.00 |
| | 1 | 3 | -8-086-00 | R. Moser | 124 | 124.00 | | | 124.00 |
| F | 1 | 4 | -8-087-00 | S. Foster | 1,490 | 1,490.00 | 496.67 | | 993.33 |
| F | 1 | 4 | -8-088-00 | C. Lobrutto | 2,979 | 2,979.00 | 993.00 | | 1,986.00 |
| | 1 | 4 | -8-088-01 | A. Seabrook | 821 | 821.00 | | | 821.00 |
| | 1 | 5 | -8-089-01 | M. Smrcek | 310 | 310.00 | | | 310.00 |
| | S.E.R. | 7 | -9-012-00 | S. Winkler | 383 | 383.00 | | | 383.00 |
| | S.E.R. | 7 | -9-013-00 | B. Haid | 426 | 426.00 | | | 426.00 |
| | S.E.R. | 7 | -9-014-00 | Wilmot Township | 340 | 340.00 | | | 340.00 |
| F | S.E.R. | 7&8 | -9-015-00 | K. Detzler | 770 | 770.00 | 256.67 | | 513.33 |
| | S.E.R. | 7&8 | -9-016-00 | Kevard Holdings Inc | 813 | 813.00 | | | 813.00 |
| | S.E.R. | 7 | -9-017-00 | Wilmot Township | 2,008 | 2,008.00 | | | 2,008.00 |
| | S.E.R. | 7 | -9-018-00 | P. Reidt | 383 | 383.00 | | | 383.00 |
| | S.E.R. | 7 | -9-019-00 | D. Foulds | 426 | 426.00 | | | 426.00 |
| | S.E.R. | 7 | -9-020-00 | C. Winkler, C. Leonardo | 383 | 383.00 | | | 383.00 |
| | S.E.R. | 7 | -9-021-00 | Larmelo Enterprises Inc. | 682 | 682.00 | | | 682.00 |
| | S.E.R. | 7 | -9-022-00 | Angie's Kitchen Ltd | 597 | 597.00 | | | 597.00 |
| | S.E.R. | 7 | -9-023-00 | P. Sieling | 468 | 468.00 | | | 468.00 |
| | S.E.R. | 7 | -9-024-00 | J. Lindsay | 298 | 298.00 | | | 298.00 |
| | S.E.R. | 7 | -9-026-00 | Roman Catholic Church | 171 | 171.00 | | | 171.00 |
| F | S.E.R. | 7 | -9-027-00 | H. Weiler | 1,141 | 1,141.00 | 380.33 | | 760.67 |
| | S.E.R. | 7 | -9-032-05 | W. Lindsay | 100 | 100.00 | | | 100.00 |
| | S.E.R. | 7 | -9-033-00 | J. Beam | 500 | 500.00 | | | 500.00 |
| F | S.E.R. | 7 | -9-034-01 | R. Ziegler | 1,000 | 1,000.00 | 333.33 | | 666.67 |
| | N.E.R. | 7 | -9-043-00 | D. Scholefield | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-045-00 | M. Kennedy | 682 | 682.00 | | | 682.00 |
| | N.E.R. | 7 | -9-046-00 | E. Pfenning | 511 | 511.00 | | | 511.00 |
| | N.E.R. | 7 | -9-047-00 | RJPS Holdings Ltd | 511 | 511.00 | | | 511.00 |
| | N.E.R. | 7 | -9-048-00 | G. Schnarr | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-049-00 | S. Hiemer | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-050-00 | J. Schlueter | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-051-00 | B. & D. Piggott | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-052-00 | R. Jenkins | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-053-00 | N. Snider | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-054-00 | H. Durrer | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-055-00 | S. Hergott | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-056-00 | R. Dietrich | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-057-00 | M. Guthrie | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-058-00 | R. Landers | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-059-00 | P. Bezpaly | 340 | 340.00 | | | 340.00 |

**Schedule C - Schedule for Actual Cost Bylaw
St Agatha Drain 2015 Township of Wilmot**

| | Con. | Lot | Roll No. 080 | Owner | Estimated Assessment | Actual Assessment | 1/3 Grant | Allowances | NET |
|---|--|-----|-----------------|-------------------------|-------------------------|----------------------|------------------|---------------|-------------------|
| | N.E.R. | 7 | -9-060-00 | B. Webber | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-060-01 | J. Stemmler | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-060-02 | C. Stemmler | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-062-00 | K. Huras | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-063-00 | G. Langer | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-064-00 | M. Straus | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-064-10 | M. Lee | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-065-00 | J. Solberg | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-066-00 | A. Dubrick | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-067-00 | W. Tschirhart | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-068-00 | P. Hessler | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-069-00 | D. Neugebauer | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-070-00 | A. Anderson | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-071-00 | R. Heimpel | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-072-00 | J. Young | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-073-00 | J. Kroetsch | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-074-00 | M. Facchini | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-075-00 | D. & H. Shantz | 426 | 426.00 | | | 426.00 |
| | N.E.R. | 7 | -9-076-00 | G. Brotharas | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-077-00 | R. Carothers | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-078-00 | M. Healey | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-079-00 | G. Dietrich | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-080-00 | D. O'Dea | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-081-00 | D. Eby | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-082-00 | J. Jacky | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-083-00 | B. & J. Stemmler | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-084-00 | D. Rola | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-085-00 | D. Roth | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-086-00 | L. Hurlbut | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-086-01 | M. Baulk | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-086-02 | Wilmot Township | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-087-00 | P. Goodyear, H. Zeigler | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-088-00 | B. Bast | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-089-00 | D. Maue | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-090-00 | D. Hiemer | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-091-00 | D. Gueguen | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-092-00 | D. Purdy | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-093-00 | S. Houtsma | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-110-00 | A. Sararas | 770 | 770.00 | | | 770.00 |
| F | N.E.R. | 7 | -9-110-01 | A. Straus | 171 | 171.00 | 57.00 | | 114.00 |
| | N.E.R. | 7 | -9-112-00 | W. Snyder | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-113-00 | D. Kittel | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-114-00 | B. Stemmler | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-115-00 | S. Atkinson, M. Shaw | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-116-00 | M. Okum | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-117-00 | O. Ferber | 340 | 340.00 | | | 340.00 |
| | N.E.R. | 7 | -9-118-00 | D. Carroll | 383 | 383.00 | | | 383.00 |
| | N.E.R. | 7 | -9-119-00 | N. Peterson | 340 | 340.00 | | | 340.00 |
| Total Assessments on Lands: | | | | | 355,716.00 | 355,716.00 | 85,738.67 | 19,150 | 250,827.33 |
| Notre Dame Drive | | | | | 74,230 | 74,230.00 | | | 74,230.00 |
| Special Assessment to Notre Dame Drive | | | | | 21,040 | 21,040.00 | | | 21,040.00 |
| Erbs Road | | | | | 62,975 | 62,975.00 | | | 62,975.00 |
| Special Assessment to Erbs Road | | | | | 33,650 | 33,650.00 | | | 33,650.00 |
| Wilby Road | | | | | 2,355 | 2,355.00 | | | 2,355.00 |
| St. Ann Drive | | | | | 4,972 | 4,972.00 | | | 4,972.00 |
| Wilma Street | | | | | 4,715 | 4,715.00 | | | 4,715.00 |
| Clarence Avenue | | | | | 5,100 | 5,100.00 | | | 5,100.00 |
| Strauss Court | | | | | 12,697 | 12,697.00 | | | 12,697.00 |
| Total Assessments on Roads: | | | | | 221,734 | 221,734.00 | | | 221,734.00 |
| TOTAL ASSESSMENTS ST AGATHA DRAIN 2015 | | | | | 577,450 | 577,450.00 | 85,738.67 | 19,150 | 472,561.33 |
| Notes: | | | | | | | | | |
| 1. | Eligibility for the 1/3 grant will be confirmed at the time the final cost is levied. | | | | | | | | |
| 2. | Actual assessment is levied to the owner of the parcel at the time the final cost is levied. | | | | | | | | |

DRAWINGS and SPECIFICATIONS

for

Construction

of the

St Agatha Drain 2015

Wilmot Township - Waterloo Region

The following will form the contract documents governing the construction of the works:

- Drawing 1 of 14 – Watershed Plan
- Drawing 2 of 14 – Enlargement of St Agatha
- Drawing 3 of 14 – Main Drain Profile
- Drawing 4 of 14 – Main Drain Outlet Detail
- Drawing 5 of 14 – Main Drain Detail along Notre Dame Drive
- Drawing 6 of 14 – Detail north of Erbs Road
- Drawing 7 of 14 – East Branch Profile
- Drawing 8 of 14 – Haid and Strauss Branch Profile
- Drawing 9 of 14 – Kraehling Branch Detail and Profile
- Drawing 10 of 14 – West Branch and Notre Dame Branch Profiles
- Drawing 11 of 14 – Notre Dame Branch Cross-sections
- Drawing 12 of 14 – Notre Dame Branch Cross-sections
- Drawing 13 of 14 – Construction Specifications - Specific Notes
- Drawing 14 of 14 – Construction Specifications - General Notes

The above drawings are included with the report. The drawings have been reduced from the original scale drawings to fit on the standard page size in this report. If anyone would like a copy of the report drawings printed at original scale please contact the Township office or the Engineer.

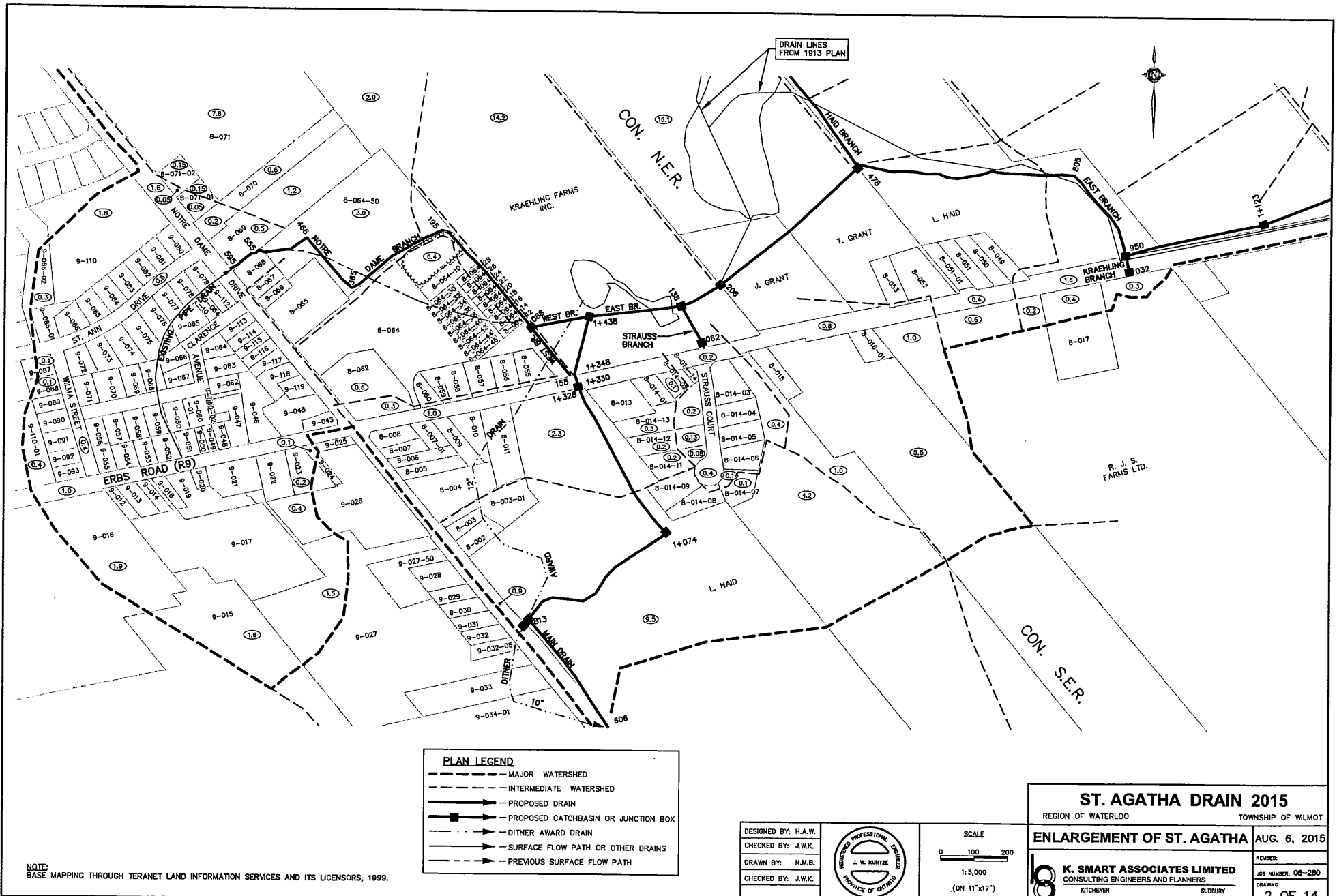
- **General Conditions**
- **Standard Specifications for open drains**
- **Standard Specifications for tile drains**
- **Standard Specifications for pipe installation by jacking and boring**

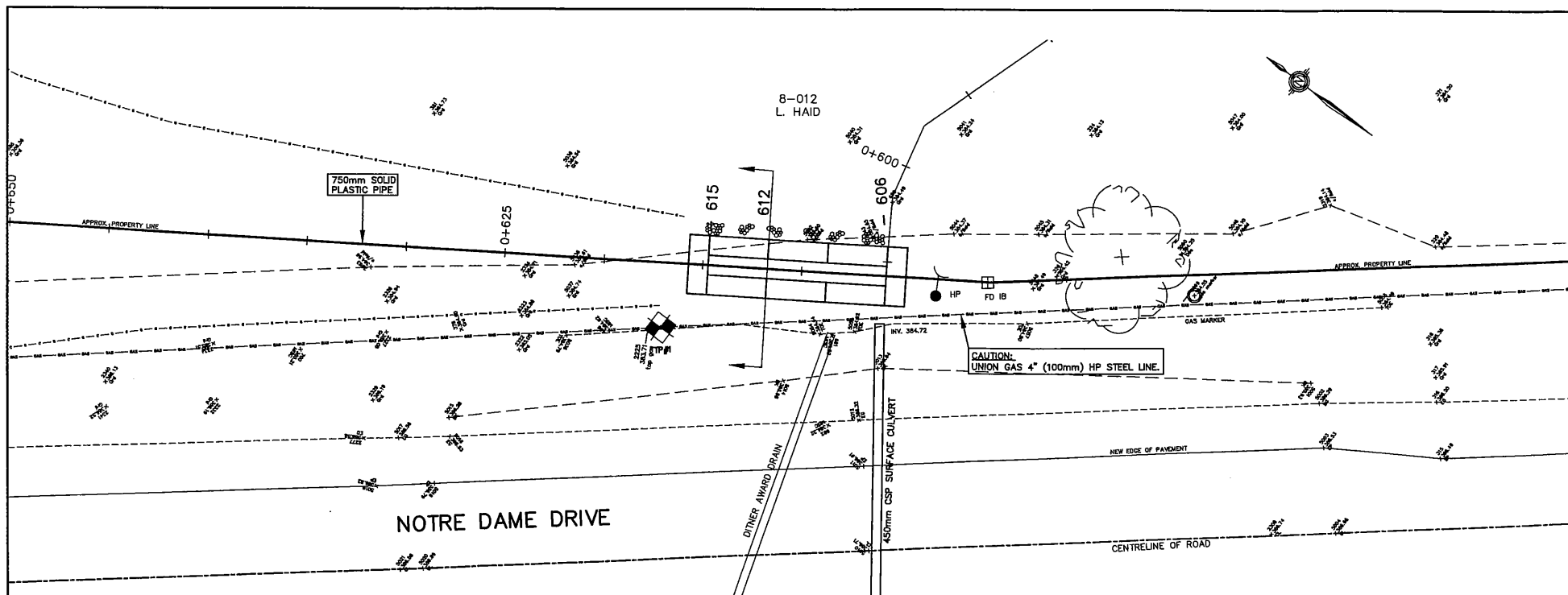
The K. Smart Associates Ltd General Conditions and Standard Specifications are not included with the report. If anyone would like a copy of these specifications please contact the Township office or the Engineer.

August 6, 2015

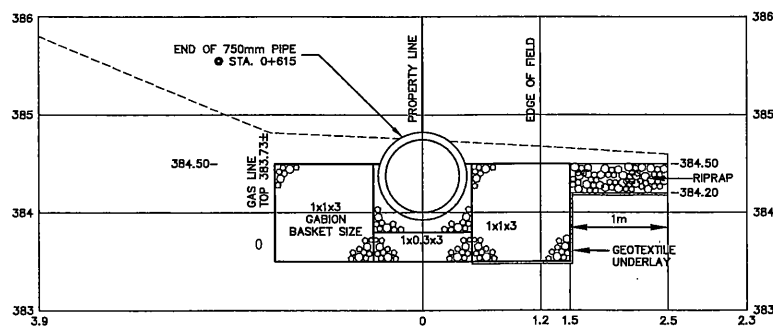
File No. 08-280

K. SMART ASSOCIATES LIMITED
85 McIntyre Drive, Kitchener, ON, N2R 1H6





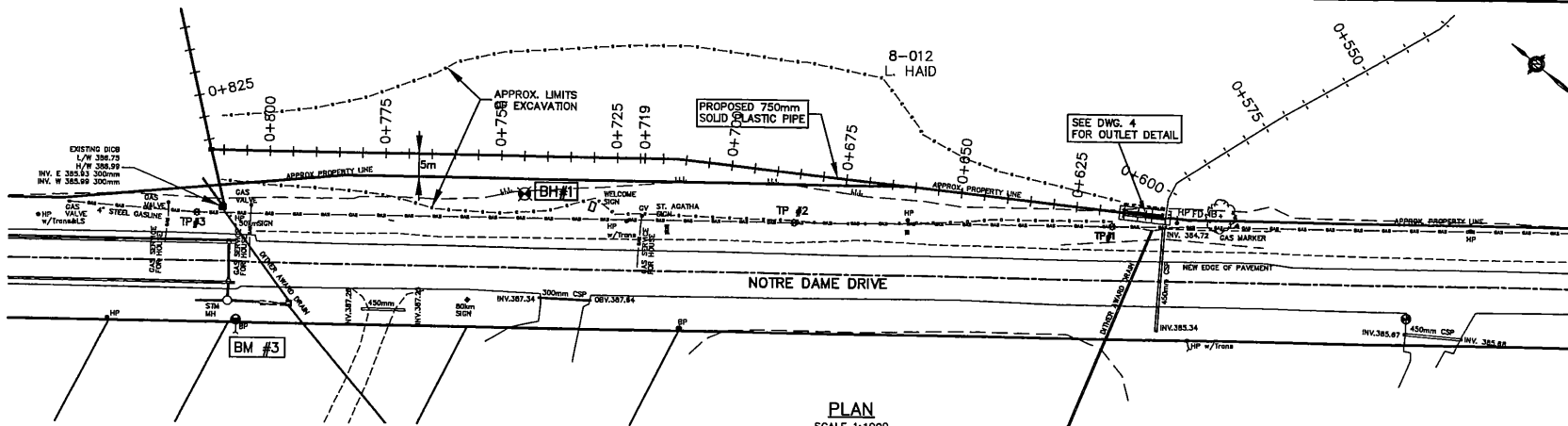
OUTLET DETAIL
SCALE 1:200



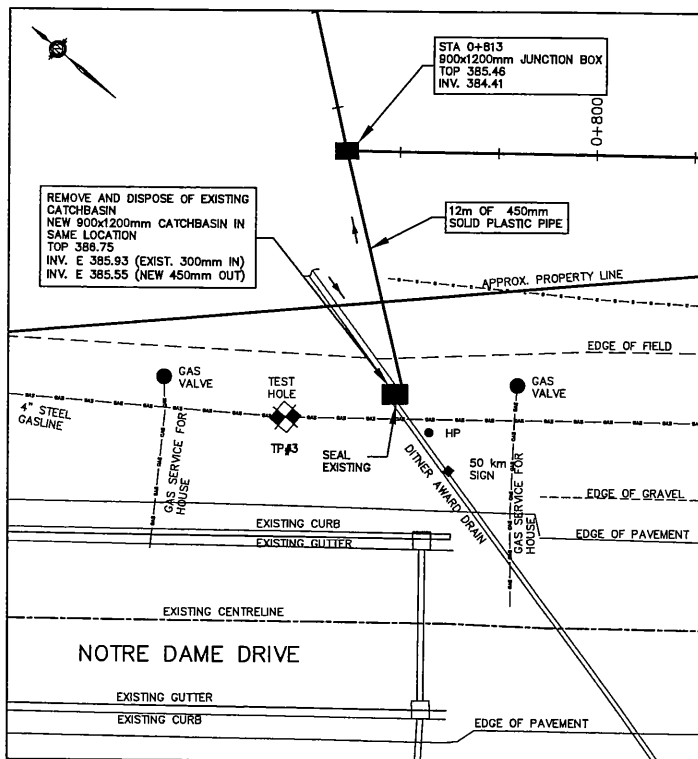
GABION BASKET OUTLET STRUCTURE
CROSS SECTION AT STA. 612

SCALE H 1:50
V 1:50

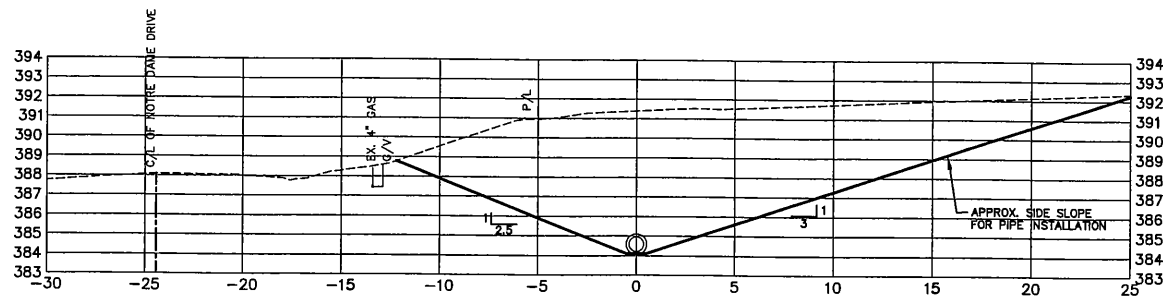
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| CHECKED BY: J.W.K. | | AS SHOWN |
| DRAWN BY: N.M.B. | | |
| CHECKED BY: J.W.K. | | |
| ST. AGATHA DRAIN 2015 REGION OF WATERLOO TOWNSHIP OF WILMOT | | |
| MAIN DRAIN OUTLET DETAIL | | AUG. 6, 2015 |
| K. SMART ASSOCIATES LIMITED CONSULTING ENGINEERS AND PLANNERS KITCHENER | | REVISED: JOB NUMBER: 06-280 DRAWING: SUCBURY 4 OF 14 |



PLAN
SCALE 1:1000



ENLARGEMENT AT STA. 813
SCALE 1:250



CROSS SECTION @ STA. 0+719

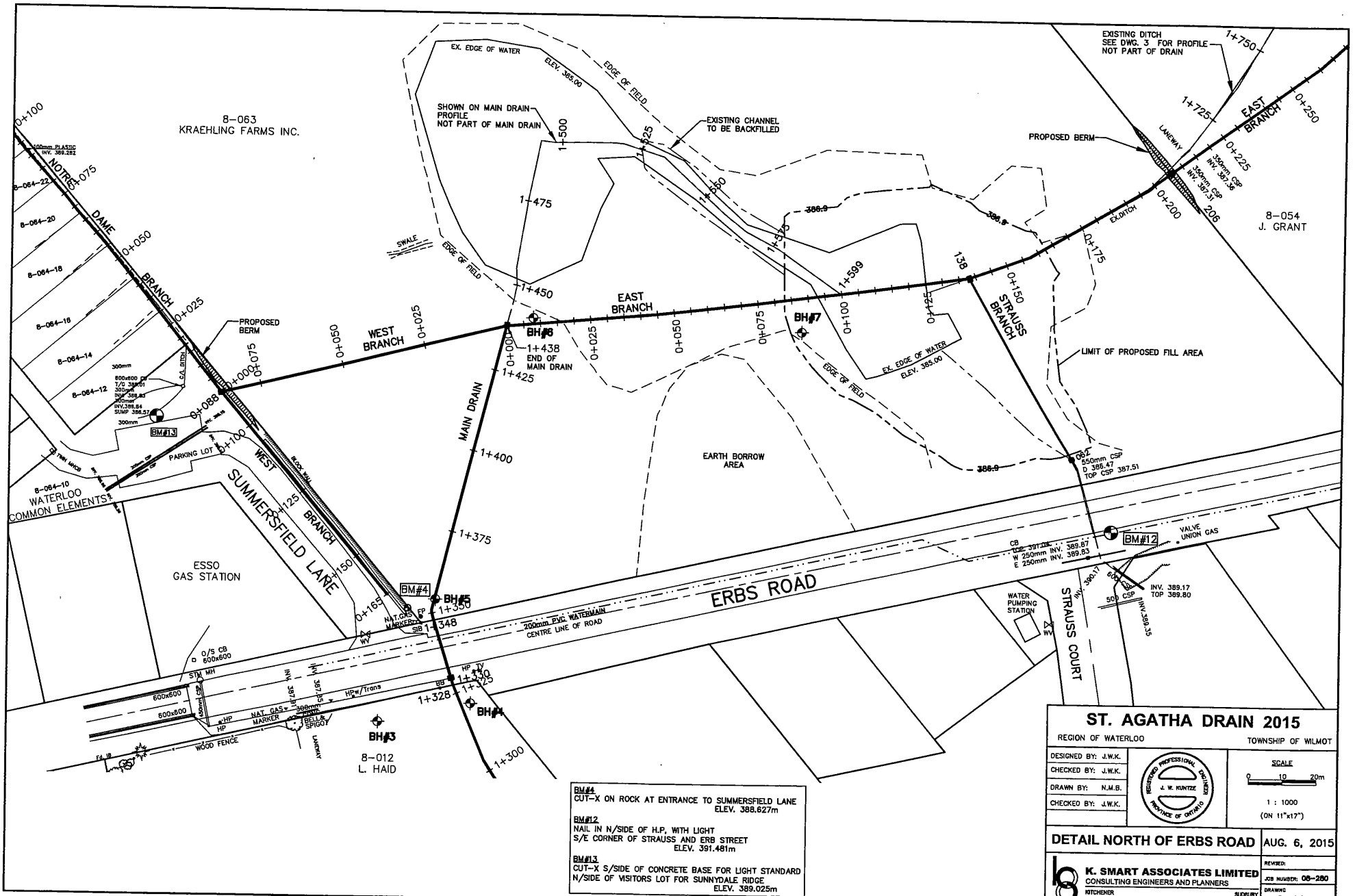
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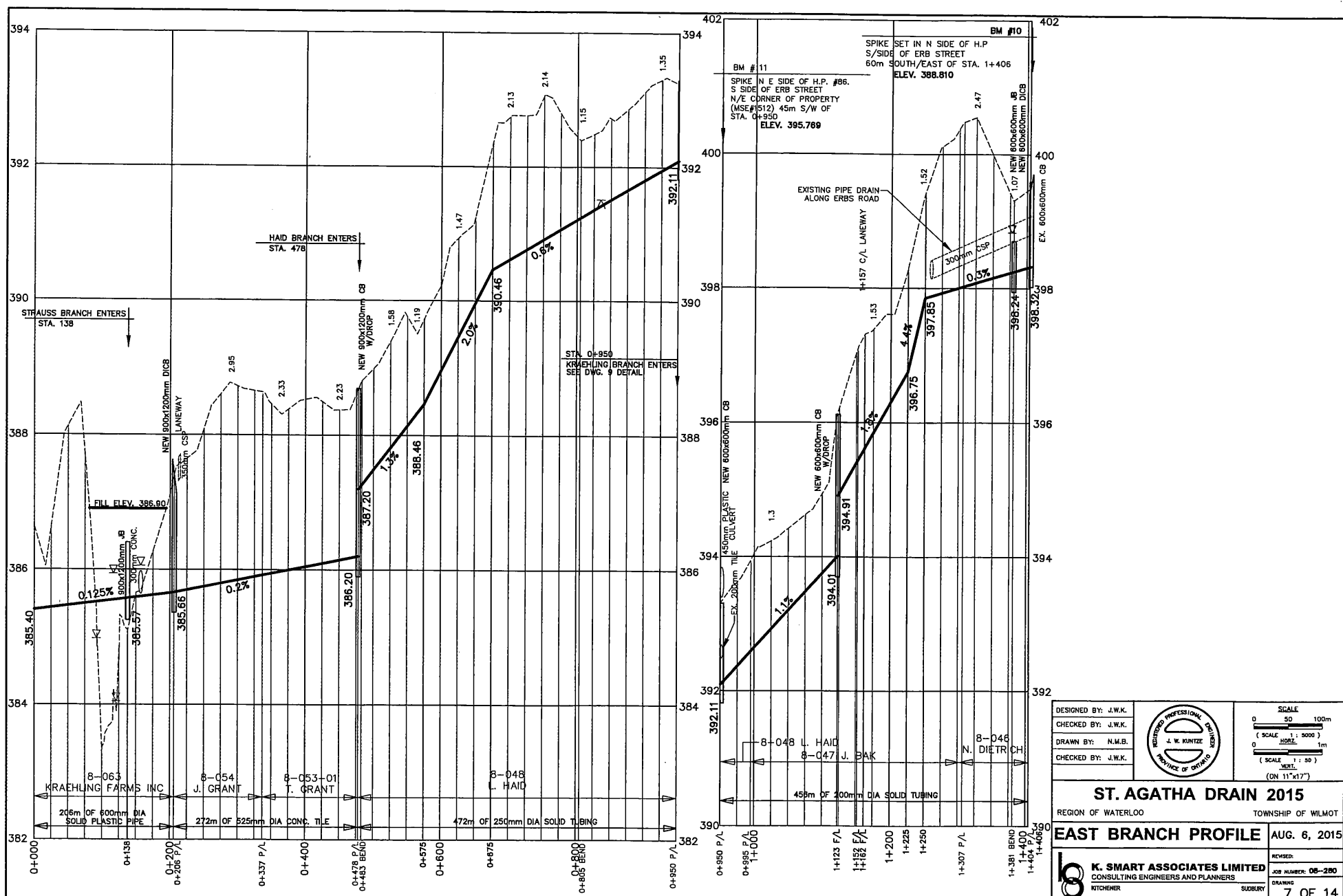
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CHECKED BY: J.K.W.
DRAWN BY: N.M.B.
CHECKED BY: J.W.K.

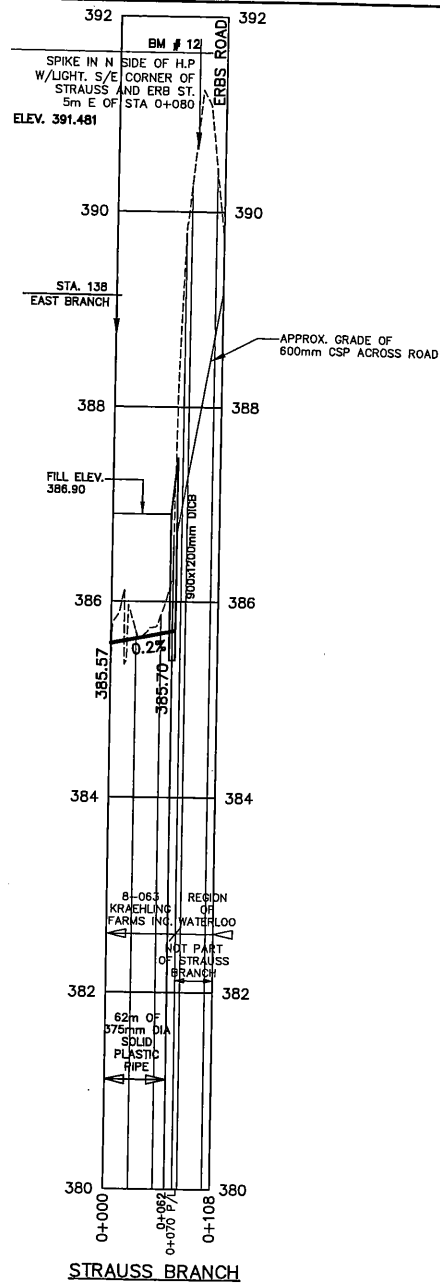
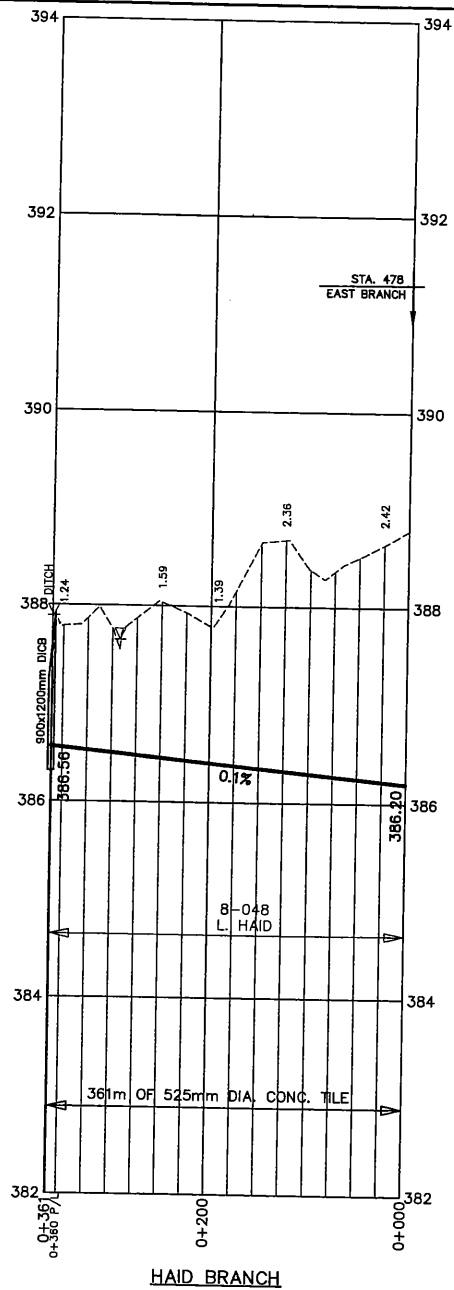


SCALE
AS SHOWN

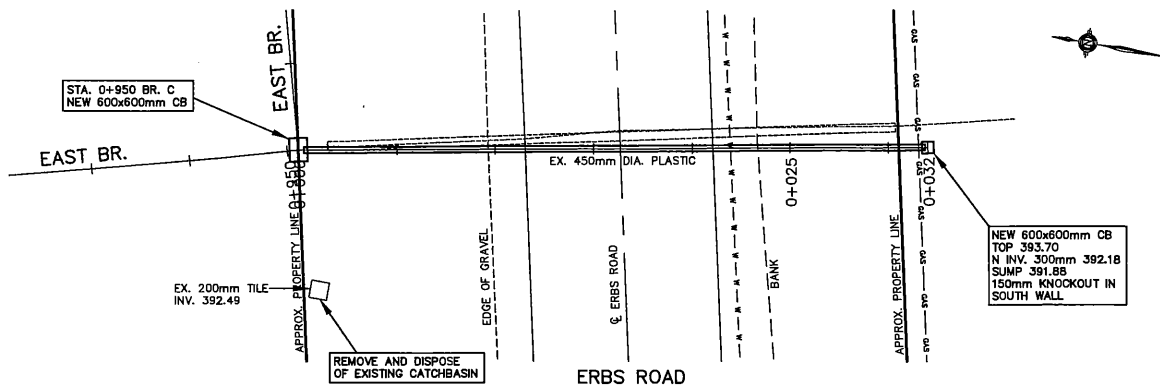
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| ST. AGATHA DRAIN 2015 | |
| REGION OF WATERLOO | TOWNSHIP OF WILMOT |
| MAIN DRAIN DETAIL ALONG NOTRE DAME DRIVE | |
| AUG. 6, 2015 | REVISED: |
| K. SMART ASSOCIATES LIMITED CONSULTING ENGINEERS AND PLANNERS KITCHENER | |
| JOB NUMBER: 08-280 | DRAWING: 5 OF 14 |



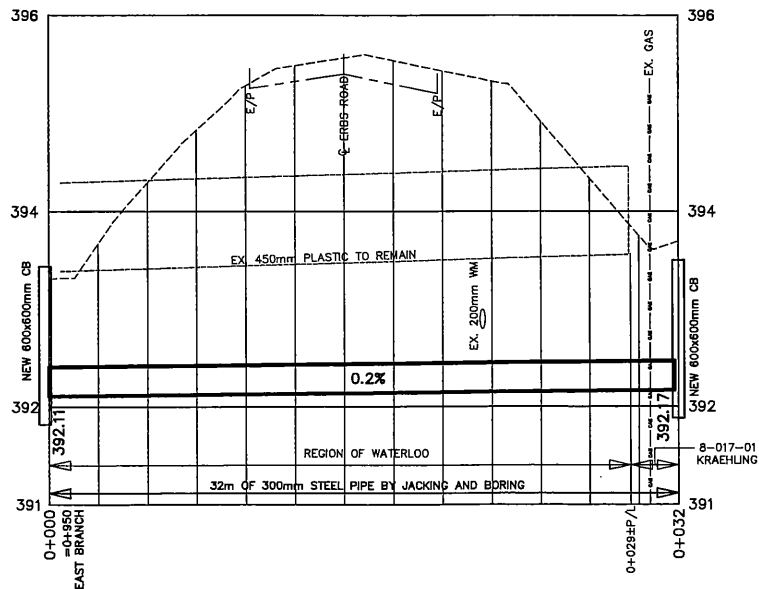




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| CHECKED BY: J.W.K. | | 0 1m | |
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| | | (ON 11"x17") | |
| ST. AGATHA DRAIN 2015 | | | |
| REGION OF WATERLOO | | TOWNSHIP OF WILMOT | |
| HAID AND STRAUSS BRANCH PROFILES | | AUG. 6, 2015 | |
| K. SMART ASSOCIATES LIMITED CONSULTING ENGINEERS AND PLANNERS KITCHENER | REVISOR: | | |
| | JOB NUMBER: 08-280 | | |
| | DRAWING | | |
| | | SUBURBY | 8 OF 14 |



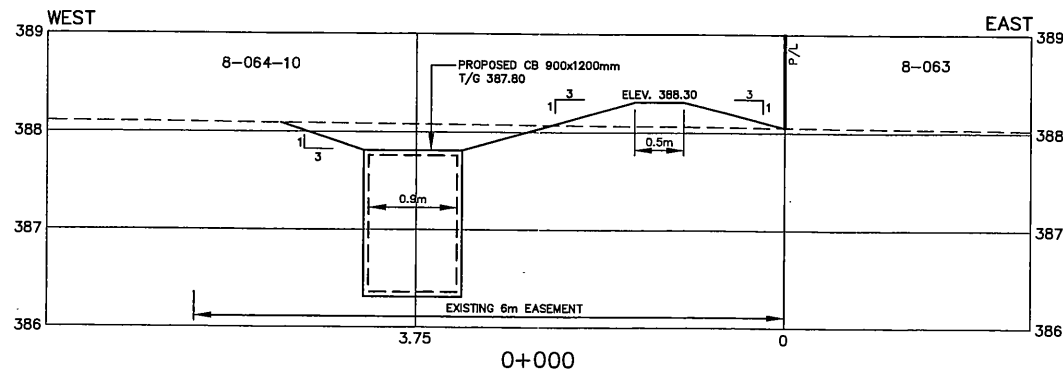
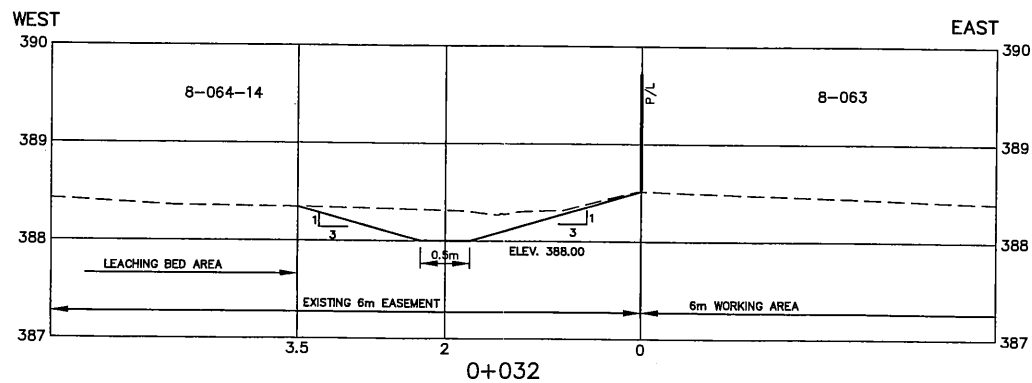
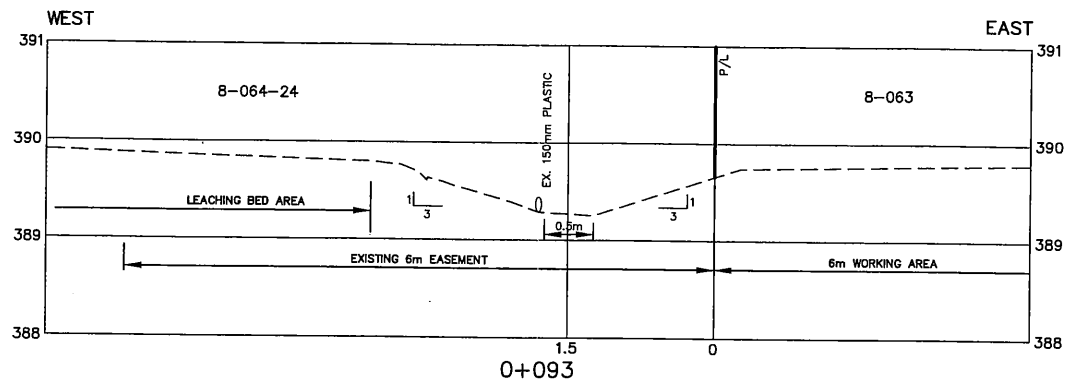
PLAN
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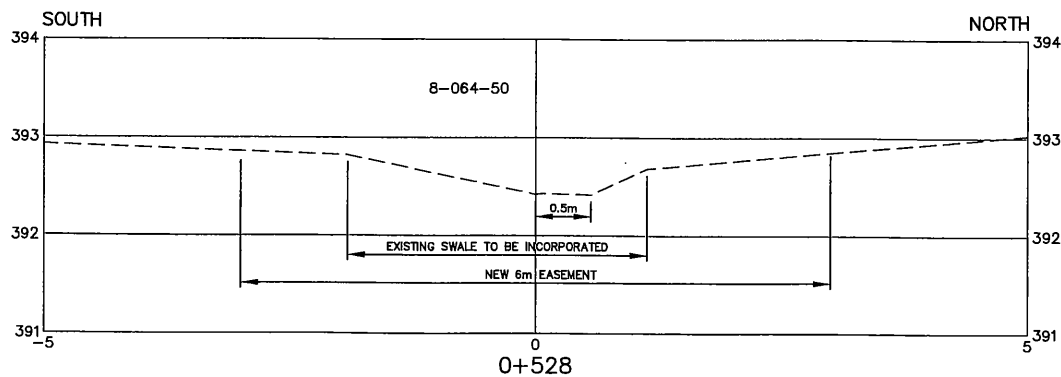
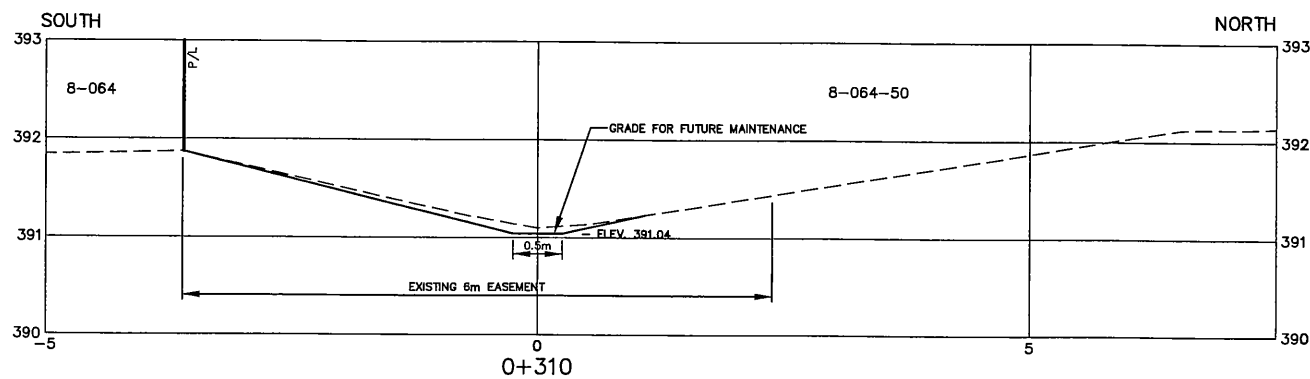
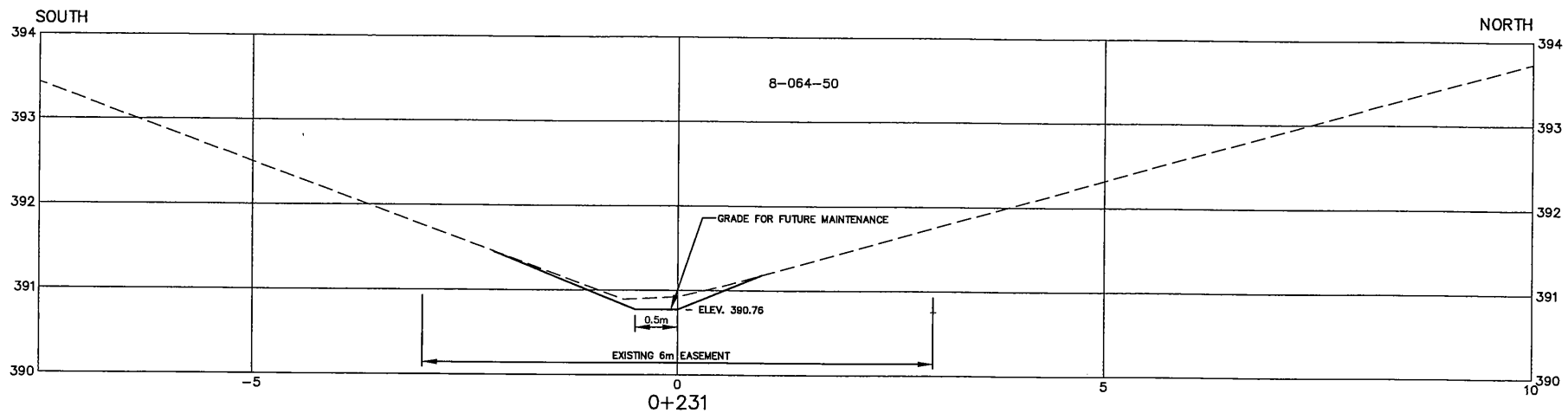
PROFILE
SCALE H 1:250
V 1:50

NOTE:
CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION OF EXISTING WATERMAIN AND GAS LINE PRIOR TO CONSTRUCTION OF EAST BRANCH UPSTREAM OF STA. 0+800 AND PRIOR TO BORING THE KRAEHLING BRANCH

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| DESIGNED BY: J.W.K. | | SCALE AS SHOWN (ON 11"x17") |
| CHECKED BY: J.W.K. | | |
| DRAWN BY: N.M.B. | | |
| CHECKED BY: J.W.K. | | |
| ST. AGATHA DRAIN 2015 | | |
| REGION OF WATERLOO | | TOWNSHIP OF WILMOT |
| KRAEHLING BRANCH DETAIL AND PROFILE | | AUG. 6, 2015 |
| K. SMART ASSOCIATES LIMITED CONSULTING ENGINEERS AND PLANNERS KITCHENER | REVIEWED: | |
| | JOB NUMBER: 06-250 | |
| | DRAWING | 9 OF 14 |



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| DESIGNED BY: J.W.K. | | SCALE 0 0.5 1m (SCALE 1:50) HORIZ. 0 1m (SCALE 1:50) VERT. (ON 11"x17") |
| CHECKED BY: J.K.W. | | |
| DRAWN BY: N.M.B. | | |
| CHECKED BY: J.W.K. | | |
| ST. AGATHA DRAIN 2015 REGION OF WATERLOO TOWNSHIP OF WILMOT | | |
| NOTRE DAME BRANCH CROSS SECTIONS | | AUG. 6, 2015 |
| K. SMART ASSOCIATES LIMITED CONSULTING ENGINEERS AND PLANNERS KITCHENER | | REVISED: JOB NUMBER: 08-280 DRAWING: 11 OF 14 |



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| DESIGNED BY: J.W.K. | | SCALE 0 0.5 1m (SCALE 1" = 50') |
| CHECKED BY: J.K.W. | | SCALE 0 1m 2m (SCALE 1" = 50') |
| DRAWN BY: N.M.B. | | SCALE 0 1m 2m (SCALE 1" = 50') |
| CHECKED BY: J.W.K. | | (ON 11"x17") |
| ST. AGATHA DRAIN 2015 | | |
| REGION OF WATERLOO | | TOWNSHIP OF WILMOT |
| NOTRE DAME BRANCH CROSS SECTIONS | | AUG. 6, 2015 |
| K. SMART ASSOCIATES LIMITED CONSULTING ENGINEERS AND PLANNERS KITCHENER | | REVISED: |
| | | JOB NUMBER: 08-280 |
| DRAWING | | 12 OF 14 |

SPECIFIC CONSTRUCTION NOTES**MAIN DRAIN**L. Haid (Roll # 8-012) and Notre Dame Drive (Waterloo Region)

606 to 615 - Construct gabion basket outlet structure as per detail on Drawing 4 (8 - 1x1x3m and 3 - 1x0.3x3m gabion baskets and 10m² of riprap protection) Surplus excavated material to be hauled away. All disturbed areas in the road allowance to be seeded upon completion of the structure. Grade control required to ensure that east wall of structure is level at elevation 384.5 to maintain a sheet flow discharge to the east. Need for riprap at the outlet of the Ditner Award Drain and the surface culvert to be determined at the time of construction.

615 to 813 - 198m of 750mm diameter solid plastic pipe to be installed along route shown on Drawing 5. Working area to be 40m width east from property line on Haid property and 10m width west in road allowance. Topsoil to be saved and replaced over full width of excavated trench. Excavated material to be stockpiled on east side of trench. Native bedding and backfill, some mechanical compaction suggested. Contractor will be responsible for restoring any trench settlement within the construction warranty period. All disturbed areas in road allowance to be seeded. Contractor to remove and replace any road signs affected by the installation trench.

813 - 900x1200mm junction box for bend in drain route. Junction box to have 300mm knockout in north wall. Remove and dispose of existing catchbasin on Ditner Award Drain in road allowance to west of new junction box. Replace with 900x1200mm concrete catchbasin in same location. Top elevation 386.75. Grade saucer shaped area around catchbasin to direct surface water into catchbasin. Connect catchbasin to junction box with 12m of 450mm diameter solid plastic pipe. See detail on Drawing 5 for further elevation and location information. Ditner Award Drain (300mm) to be connected to either east wall of catchbasin or north wall of junction box if drain is removed by catchbasin connection. Ditner Award Drain to be sealed on west side of catchbasin.

L. Haid (Roll # 8-012)

813 to 1+330 - 517m of 750mm diameter solid plastic pipe along route shown on Drawing 2. Installation route to be confirmed with Engineer at time of construction.

1+074 - 900x1200mm concrete junction box to accommodate change in direction. 300mm knockouts at 385.3 in south and east walls for future connections

Erbs Road (Region of Waterloo)

1+330 - 900x1200mm concrete catchbasin with standard flat grate. Top to match existing ground at elevation 388.25. Catchbasin to have 600mm knockout in west wall at 385.26 and 300mm knockout in south wall at 386.3 for future connections.

1+330 to 1+348 - 18m of 750mm diameter steel smooth wall pipe to be installed across road allowance by jacking and boring. Surplus material from boring to be hauled away. All disturbed areas in road allowance to be seeded upon completion of pipe and catchbasin installation.

Kraehling Farms Inc (Roll # 8-063)

1+348 to 1+438 - 90m of 750mm diameter solid plastic pipe along route shown on Drawing 6. Location of end of drain to be confirmed with Engineer at time of construction to ensure that junction box lid will have minimum 500mm cover.

1+438 - 900x1200mm concrete junction box to provide outlet for East and West Branches. Junction box not to be installed until after backfilling is completed on East Branch so that a temporary outlet can be created into the 750mm tile to provide outlet for the low area to the north. Steel lid recommended for junction box to maintain minimum 500mm cover on junction box lid. Junction box to have 375mm knockout in north wall at 385.40 for a future connection.

EAST BRANCHKraehling Farms Inc (Roll # 8-063)

080 to 160 - After completion of construction of the Main Drain and prior to constructing the East Branch or Strauss Branch the existing low area is to be backfilled to elevation 386.90 using earth borrow from the ridge of land on the west side of the low area - see Drawing 6. Working area to be the earth borrow area and proposed fill area outlined on Drawing 6 plus any area in between the above two areas. Contractor to remove and stockpile topsoil from the bottom of the low area prior to backfilling. Stripping of topsoil required on the earth borrow area also. Existing channel between two low areas to also be backfilled to at least elevation 386.90. Need for further backfill or grading in this area to be determined at time of construction. Need for riprap at west end of channel backfill to be determined at time of construction. Topsoil to be replaced over backfill area and earth borrow area.

000 to 206 - 206m of 600mm diameter solid plastic pipe along route shown on Drawing 7. Connect to junction box on Main Drain. Existing tile from Station 150 upstream can be removed during installation of new drain. If tile is not removed then it is to be connected up to new drain.

138 - 900x1200mm concrete junction box to provide outlet for Strauss Branch. Steel lid recommended for junction box to maintain minimum 500mm cover on junction box lid.

206 - 900x1200mm concrete catchbasin with ditch inlet top on property line. Low wall elevation 387.1. Earth berm to be constructed along property line north and south from catchbasin. Top of berm to be elevation 387.6 at highwall of catchbasin and tapering down to elevation 387.5 to north and south so that future overflow will occur at the north and south ends of the berm. Material for berm to come from earth borrow site on the Kraehling property. Berm to be seeded upon completion.

J. Grant (Roll # 8-054) & T. Grant (Roll # 8-053-01)

206 to 478 - 272m of 525mm diameter concrete tile

L. Haid (Roll # 8-048)

478 - 900x1200mm concrete catchbasin. Top elevation 388.65. Catchbasin is outlet for Haid Branch. Clearing and grubbing may be required. Pile cleared material along linefence.

478 to 950 - 472m of 250mm diameter solid tubing. 950 - 600x600mm concrete catchbasin on property line opposite existing road culvert. Top elevation 393.30. Catchbasin is outlet for Kraehling Br. Remove and dispose of existing catchbasin to west. Remove existing drain downstream to intersection with new drain.

950 to 995 - 45m of 200mm diameter solid tubing, see below for alignment. 970 - Steel hydro tower in road allowance, new drain to be 3m north of northwest leg of tower. 995 - New drain is to be 3m north of road property line. Do not disturb sign.

J. P. Bak (Roll # 8-047)

995 to 1+123 - 128m of 200mm diameter solid tubing 3m north of property line. 1+123 - 600x600mm concrete catchbasin. Top elevation 396.20. Wooden fence, remove and replace fence boards. Center new catchbasin between fence posts. Remove one small tree, do not disturb other trees to north.

1+123 to 1+307 - 184m of 200mm diameter solid tubing, see below for alignment. Owner has horses in the fields along the route of the drain. Contractor to have owner remove horses during construction in each field area. Contractor to backfill trench and repair fences immediately after installation in each field area.

1+123 to 1+162 - Alignment to allow for new drain to pass through gate on east side of driveway. 1+152 - Wooden fence, remove and replace fence boards, post removal and replacement may also be required.

1+155 to 1+160 - Gravel driveway. Native backfill with compaction. Save and replace existing granular surface.

1+162 to 1+307 - Alignment to allow for new drain to cross linefence approximately 30m north of road property line measured along linefence.

N. Dietrich (Roll # 8-046)

1+307 to 1+406 - 99m of 200mm diameter solid tubing. Any existing tile encountered to be connected to new drain.

1+381 - 600x600mm concrete junction box to accommodate change in direction. North and east walls to have 150mm knockouts at 398.24 for future connections.

1+406 - Remove and dispose of existing catchbasin. Seal 300mm diameter csp outlet to west. 600x600mm concrete ditch inlet catchbasin in same location as existing with low wall to north at elevation 397.40. Final grading so ditch inlet top slope blends in to road bed slope. East wall of catchbasin to have a 200mm knockout at 398.32 to allow for connecting up existing drain from east. East wall of catchbasin to have a 300mm knockout at 398.70 to allow for connecting up existing csp outlet to the east of the catchbasin. Additional payment for this connection.

STRAUSS BRANCHKraehling Farms Inc (Roll # 8-063)

000 to 062 - 62m of 375mm diameter solid plastic pipe, connect to junction box on East Branch.

062 - 900x1200mm concrete catchbasin with ditch inlet top and standard flat grate. Low wall to north at elevation 386.90. Existing 600mm corrugated steel pipe culvert to be connected to high wall at elevation 386.60. Final grading so ditch inlet top slope blends in to road bed slope.

HAID BRANCHL. Haid (Roll # 8-048)

000 to 361 - 361m of 525mm diameter concrete tile, connect to catchbasin on East Br. Alignment for north end of drain to be confirmed at time of construction.

361 - 900x1200mm concrete catchbasin with ditch inlet top. Highwall to be on linefence with low wall to north in existing ditch. Low wall elevation 387.25. Clearing and grubbing required. Pile cleared material along linefence.

KRAEHLING BRANCHErbs Road (Region of Waterloo)

000 to 032 - 32m of 3000mm diameter steel smooth wall pipe to be installed across road allowance by jacking and boring. Surplus material from boring to be hauled away. All disturbed areas in road allowance to be seeded upon completion of pipe and catchbasin installation.

032 - 600x600mm concrete catchbasin. Top elevation 393.50. Location of catchbasin to be confirmed at time of construction after gasline is located. Catchbasin is to be on south side of gasline.

WEST BRANCHKraehling Farms Inc (Roll # 8-063)

000 to 088 - 88m of solid plastic pipe along route shown on Drawing 6. Connect to junction box on Main Drain.

ST AGATHA DRAIN 2015

Township of Wilmot

Construction Specifications

August 6, 2015 File No. 08-280

Drawing 13 of 14

Waterloo Common Elements (Roll # 8-064-10)

- 088 - No access through this property for pipe drain or catchbasin installation, access to be from working area for pipe drain.
- 900x1200mm concrete catchbasin with standard flat grate. Top to be at elevation 387.80. Catchbasin to have 300mm knockout in west wall at 386.74 for future connection. Refer to cross-section on Drawing 11 for further detail.
- 088 to 155 - All work to construct and restore the new swale is to be undertaken on this property using Summersfield Lane for access and working area - see detail on Drawing 6. All equipment must be rubber tired or rubber track. Contractor responsible for restoring to existing condition any equipment ruts or damage to the asphalt road.
- 088 to 115 - Saucer shaped swale (equivalent to trapezoidal section with 0.3m bottom and 3:1 slope) to be excavated to grade line shown on profile on Drawing 10. Excavated material to be used for berm construction.
- 115 to 155 - Saucer shaped swale to be excavated in grass area between edge of asphalt and planting area along block wall to grade line shown on profile on Drawing 6 - average depth 200mm. Some excavated material to be placed to fill gaps in block wall to match edge of asphalt elevation. Remaining surplus material to be hauled away or used for berm along property line. Existing granular material removed can be placed around catchbasin.
- 088 to 155 - Completed swale and area around new catchbasin to be restored with 75mm of topsoil and sod. Contractor may salvage and reuse existing sod and topsoil if desired. Restoration of fill placed in block wall gaps to be by property owner.
- 088 - Earth berm to be constructed along property line to elevation 388.3 with 3:1 slope. Length of berm is shown on Drawing 6. Refer to cross-section on Drawing 11 for berm location. Material from swale excavation can be used to create berm. Berm to be sodded when completed.

NOTRE DAME BRANCH

Summersfield Lane residential area (Roll # 8-064-10 to 20)

- 000 to 018 - Swale to be excavated to grade line on profile on Drawing 10 and as per cross-section on Drawing 11. Working area to be on this property and construction specifications shall be as per the construction notes above for the West Branch from 088 to 155.
- 018 to 075 - Existing swale along rear of residential lots to be deepened to grade on profile on Drawing 10 and as per cross-section for Station 032 on Drawing 11. Construction specifications shall be as per the construction notes above for the West Branch from 088 to 155 except that the working area shall be a 6m width on the Kraehling property. No equipment allowed on the leaching bed area for the residential lots as shown on the cross-section for Station 032 on Drawing 11.
- 075 to 595 - Existing swale/ditch and culvert to be incorporated. No work required except as noted below.

Blaze Properties Inc. (Roll # 8-064-50)

- 157 to 175 - Remove all brush and fallen tree limbs from ditch cross-section. Removal by hand with a chainsaw is recommended. No root removal or excavation to be undertaken. Cleared material to be piled in woodlot on west bank.
- 466 to 528 - Access for work to be through Parcel 8-065 (school) following existing roadways from Notre Dame Drive or along 6m working area on Kraehling property. Small rubber tire or rubber track equipment only. Note that the area of this parcel east and north of the existing channel is used as a playground for the school on Parcel 8-065. Contractor shall advise the school prior to any construction work on this property. Excavate swale to grade and cross-section on profile shown on Drawing 10. New swale to blend into existing swale at upstream and downstream ends. Level excavated material in low area upstream of Station 500. Swale and levelled material to be seeded.
- 500 to 528 - Minor clearing required. Pile in wooded area.

R. McKenzie (Roll # 8-068)

- 534 to 555 - Access for work to be from downstream parcel. No equipment access through Parcel 8-068. Remove debris and fallen tree limbs from channel cross-section.

Removal by hand with a chainsaw is recommended. No root removal or excavation to be undertaken. Cleared material to be piled in wooded area to south. Rock debris in channel to be set to one side to create a maximum 0.5m wide channel bottom.

J. Honek (Roll # 8-069)

- 555 to 595 - Access for work to be through Parcel 8-069. Small rubber tire or rubber track equipment only, if required. Remove debris accumulated on upstream side of fence. Level to north or east. Need for fence removal to be determined at time of construction. Remove debris and fallen tree limbs from channel cross-section. Removal by hand with a chainsaw is recommended. No root removal to be undertaken. Cleared material to be left on north bank. Need for excavation to be determined at time of construction after work noted above is completed. Additional payment to contractor if excavation is required.

GENERAL CONSTRUCTION NOTES

1. Working Area

For a closed (pipe or tile) drain up to 2m deep the working area shall be a 10m width on either side of the trench or any combination not exceeding 20m. For closed drains 2-3m deep the working area shall be 30m. For closed drains 3-5m deep the working area shall be 40m. For closed drains deeper than 5m (Main Drain along Notre Dame Drive) the working area is described in the specific construction notes. For open drain (ditch and swale) work the working area shall be 6m width plus the width of the open drain. Further detail on the working area for the open work is described in the specific construction notes and on the drawings. If any part of the drain is close to a property line then the property line shall be one of the limits of the work area unless shown differently on the drawings or in the specific construction notes.

2. Access

In general access to the working area shall be from road allowances and then along the working area for the drain. Specific requirements for access are outlined in the specific construction notes. All specifications governing fences and crops during drain construction shall apply to access routes. No other access routes shall be used unless first approved by the Engineer and the affected landowner. Contractor shall make good any damages caused by using the designated access routes. The Contractor shall contact each owner prior to using the designated access routes and working areas.

Telephone numbers for contact are Area Code 519:

| Roll No. | Owner | Phone Number |
|--------------------------------------|---|--|
| 8-012 | Leonard Haid | |
| 8-017-01 | Robert Kraehling | |
| 8-047 | J. Pierre Bak | |
| 8-048 | Norbert Dietrich | |
| 8-054 | Leonard Haid | |
| 8-053-01 | Theresa Grant | |
| 8-054 | Jeffrey Grant | |
| 8-063 | Robert Kraehling | |
| 8-064-10 | Waterloo Common Elements | |
| 8-064-12 | Willem Van Der Eijk | |
| 8-064-14 | Gustav Glaubitz | |
| 8-064-16 | Lawrence Hart | |
| 8-064-18 | James Beitz | |
| 8-064-20 | Blanche Feeney | |
| 8-064-50 | Blaze Properties Inc. | |
| 8-065 | Waterloo Catholic District School Board | |
| 8-068 | R. McKenzie | |
| 8-069 | John Honek | |
| Region of Waterloo, John Trakalo | | Cellphone 519-501-8646 Office 519-650-8206 |
| Project Engineer John Kuntze, P.Eng. | | Office and cellphone 519-748-1199 ext 227 |

3. Pre and Post Construction Meetings

The Contractor may be required to attend pre-and post-construction site meetings with the Engineer and landowners before starting and after finishing the work if requested.

4. Plastic Pipe

Solid plastic pipe is to be nonperforated high density polyethylene (hdpe) double wall pipe (corrugated on the outside and smooth wall on the inside) such as Boss 2000 Series 320 (320 kPa minimum pipe stiffness) or equal. Pipe to have gasketed bell and spigot joints. Manufacturer's recommendations for installation including bedding, coupling, pipe cover and backfill are also to be followed.

5. Closed Drain (Pipe, Tile or Tubing) Installation

Due to the large variation in depth on all closed drains it is anticipated that closed drains will be installed by excavator. For installation by excavator topsoil is to be stripped and saved over the full width of the trench and replaced after the trench is backfilled. Trench backfill to be mounded to allow for settlement. Contractor responsible for any restoring any trench settlement during the warranty period. For unstable subsoil the drain shall be installed on stone bedding that is placed on and covered with a geotextile filter material.

Contractor can consider using a wheel trencher or drainage plow with trenching as required for depths that exceed the equipment operating depth. Where wheel trencher or drainage plow is used without trenching saving and replacing topsoil is not required.

All tile and pipe joints to be wrapped with a permeable geotextile.

Corrugated plastic tubing to be nonperforated (solid).

Installation shall include prelocating existing drains as required to meet the requirements in the specific construction notes.

All lateral drains encountered along the route of a closed drain is to be connected up to the new drain. Contractor will be paid additional for the tile connections not noted in the specific notes.

6. Catchbasins and Junction Boxes

Catchbasins shall have secured birdcage grates (unless noted differently in the specific notes) and marker stakes. Catchbasins and junction boxes to have a 300mm sump as shown on the profiles. Catchbasin installation includes all connections described in the specific notes. Ditch inlet tops to have 2:1 slope.

From the outlet upstream to and including East Branch Station 206 catchbasins and junction boxes are to have open bottoms (no standard base unit with a floor). These structures are to be installed on a minimum base of 300mm of 19mm clear crushed stone. Additional payment will be allowed if additional stone bedding is required. Intention is to allow infiltration into the subsoil at these catchbasins and junction boxes.

Upstream of East Branch Station 206 all catchbasins and junction boxes are to have a standard base unit with a floor.

7. Seeding for restoration

For manual seeding use mechanical (cyclone) spreader and the following shall apply:

Seed mixture applied at 60kg/ha:

- 35% Creeping Red Fescue
- 25% Birdsfoot Trefoil
- 25% Kentucky Bluegrass
- 10% Cover Crop (Oats, Rye, Barley, Wheat)
- 5% White Clover

Fertilizer to be 5:20:20 or 10:10:10 applied at 300 kg/ha.

Contractor responsible for additional seeding as required during the 1 year contract warranty period.

8. Sod for restoration

Topsoil shall be in accordance with Ontario Provincial Standard Specification (OPSS) 570.

Minimum depth shall be 100mm.

Sod shall be in accordance with OPSS 571 and shall be No. 1 Nursery Sod.

Contractor for initial watering of sod. Contractor shall arrange for continued sod watering with the landowner. Contractor responsible for replacing any dead sod during the 1 year warranty period.

ST AGATHA DRAIN 2015

Township of Wilmot

Construction Specifications

August 6, 2015 File No. 08-280

Drawing 14 of 14



Township of Wilmot REPORT

REPORT NO. CL2015-21

TO: Council

PREPARED BY: Dawn Mittelholtz, Deputy Clerk

DATE: August 31, 2015

SUBJECT: Proposed 2016 Council Meeting Schedule

Recommendation:

THAT the following schedule for Regular Council Meetings be adopted:

| | |
|--------------------|-------------------|
| January 11, 2016 | February 8, 2016 |
| March 7, 2016 | April 4, 2016 |
| March 21, 2016 | April 18, 2016 |
| May 2, 2016 | June 6, 2016 |
| May 16, 2016 | June 20, 2016 |
| July 18, 2016 | August 22, 2016 |
| September 12, 2016 | October 3, 2016 |
| September 26, 2016 | October 24, 2016 |
| November 7, 2016 | |
| November 21, 2016 | December 5, 2016. |

Background:

Annually, Council adopts by resolution a Regular Council Meeting schedule in accordance with the Procedural By-law.

Discussion

As in previous years, the members of the senior management team review the proposed schedule before recommendation to Council. The schedule is reviewed for potential conflicts with various events that would affect the availability of Council and/or staff. Such events would include the 2016 Budget process, statutory holidays, municipal conferences and spring break.

Strategic Plan Conformity:

Upon approval the schedule is subsequently posted on the Township website thereby communicating current municipal matters and further facilitating future communications for residents and other interested parties.

Financial Considerations:

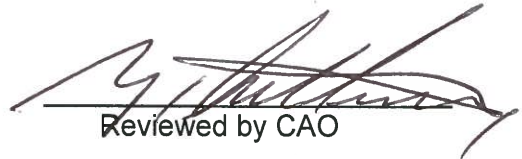
None.

Conclusion:

Staff recommends that the above schedule for Regular Council Meetings be adopted.



Dawn Mittelholtz, Deputy Clerk

Barbara McLeod, Director of Clerk's Services

Reviewed by CAO



Township of Wilmot **REPORT**

| | |
|---------------------|---|
| REPORT NO. | FIN 2015-27 |
| TO: | Council |
| PREPARED BY: | Rosita Tse, Director of Finance Gary Charbonneau, Director of Public Works |
| DATE: | August 31, 2015 |
| SUBJECT: | Ontario Community Infrastructure Fund (OCIF) Intake Two |

Recommendation:

That the Township submit an application to the Ontario Community Infrastructure Fund Intake Two for funding towards the Main Street Reconstruction Project.

Background:

On July 28, 2015, Intake Two of the OCIF program was launched by the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA). This second intake is an application based funding program, providing \$50 million to municipalities for critical infrastructure projects.

To be eligible for the OCIF, municipalities must have a population of less than 100,000 as of the 2011 census or be located in northern or rural Ontario. Municipalities can apply for up to 90% of the total eligible costs of the project. The maximum Provincial share of this funding is \$2 million per project, and the project must be completed by December 31, 2017.

Discussion:

Submissions will undergo a two stage project selection process, which will include an initial Expression of Interest (EOI), followed by a formal application. Only one project is permitted from each applicant for Intake Two. Eligible applicants that successfully pass the EOI pre-screening stage will be provided an application package in October 2015. The EOI is due for review by the Ministry on September 11, 2015.

Since the announcement and launch of Intake Two, members of the Senior Management Team reviewed program criteria in relation to the Township's 10-year Capital Forecast and Asset Management Plan. From this review, it was determined that Main Street Reconstruction from Alderview Drive to Bridge Street would be the most appropriate project for Intake Two application.

One factor in determining the success of an application is how the project fits within the municipalities comprehensive Asset Management Plan. This section of Main Street is a Class 5 road as per Ontario Regulation 239/02 "Minimum Maintenance Standards" and was highlighted within the Council approved Asset Management Plan as being over 25-years old, with a Pavement Condition Index (PCI) below 60.

The Township's 10-year Capital Forecast includes this project within the 2016 capital program. Engineering services for the design, tendering, contract administration and inspection were awarded to AECOM under Council Report PW 2014-08. The construction cost for this project is currently estimated at \$1,015,000.

Another factor in determining success of an application is how well a project fits with the scheduling of the OCIF program. The reconstruction of Main Street is on schedule to take place in 2016, which fits well to the timelines stated within the OCIF program.

Strategic Plan Conformity:

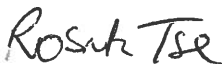
This report is aligned with the Strategic Plan goal of *enjoying our quality of life* by ensuring people's safety. It also fits with the goal of *having a prosperous economy* through maintaining our infrastructure in following priorities outlined within the Asset Management Plan.

Financial Considerations:

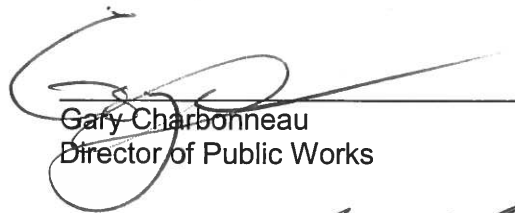
The latest iteration of the 10-year Capital Forecast included funding from Reserve Funds of \$477,500 towards this project, with the remainder allocated from General Levy. Any amount received from the Ministry would minimize the impact on Capital Replacement Reserves and general levy.

Conclusion:

Upon Council approval, staff will prepare the requisite Expression of Interest (EOI) and submit to the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) accordingly.



Rosita Tse
Director of Finance



Gary Charbonneau
Director of Public Works



Reviewed by CAO



Township of Wilmot REPORT

REPORT NO. DS 2015-32

TO: Council

PREPARED BY: Andrew Martin, Planner/EDO

DATE: August 31, 2015

SUBJECT: Approval of a Billboard Sign
Rick Held
417 Waterloo Street, New Hamburg

Recommendation:

That Staff be authorized to issue a Billboard Sign Permit subject to the following:

1. That, approval apply only to the existing portable sign and proposed advertising face;
2. That, at such time as the existing portable sign is removed or proposed to be replaced, such replacement shall be subject to a new license and the sign shall be in the form of a permanent sign, in compliance with the Township Sign By-law and subject to a subsequent license approval by Council;
3. That, prior to the issuance of a permit, the applicant shall pay a license fee of \$166.67 (representing the remaining 4 months of the annual \$500 fee);
4. That, the applicant shall provide staff with a request for Council to renew the permit no later than Monday November 30, 2015 accompanied by the annual license fee of \$500.

Background:

In December of 2011, Council approved a variance to the sign by-law to allow a billboard sign on the subject property in the configuration proposed by the current application. A permit was issued for the billboard sign (shown to the right) for the year of 2012. The sign was removed in 2012 and a renewal was not sought in 2013.

Discussion:

The Township has received a request for new billboard to be placed on the portable sign. The sign would be double sided with the sign faces as shown on the next page.



The intent of the Township Sign By-law is that portable signs be a temporary form of advertising. A portable sign has been situated along the Waterloo Street frontage of Rudy Held Performance Centre since prior to April of 2002 when the Township Sign By-law was passed. Signs that existed prior to the by-law may remain on



a property. At such time as the sign is removed or replaced it loses this status. In this regard, staff suggest that approval of a billboard be conditional on use of the existing sign only. At such time as the portable sign is proposed to be removed or replaced, a new sign would require a new license and should only be considered if the sign is permanent and in conformity with the Sign By-law.

Strategic Plan Conformity:

Regulating signs within the Township of Wilmot contributes to the quality of life of Wilmot residents by ensuring signs are safely installed and are visually unobtrusive.

Reviewing these regulations on a site specific basis promotes a prosperous economy by allowing businesses opportunities to install appropriate signage and advertising.

Financial Considerations:

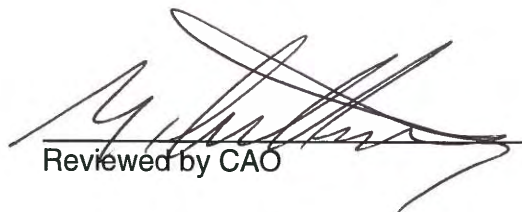
The application fees, established by the Township of Wilmot Fees and Charges By-law, will be collected as outlined in the recommendation.

Conclusion:

The billboard license will expire at the end of this year and require annual review and renewal by Council. In this regard, Council will have the opportunity to assess the appropriateness of the sign and consider any concerns that may be received prior to renewing a license.



Andrew Martin, MCIP RPP
Planner/EDO



Reviewed by CAO



Township of Wilmot **REPORT**

REPORT NO. CK2015-05

TO: Council

PREPARED BY: Tracy Loch

DATE: August 31, 2015

SUBJECT: Ontario Heritage Trust Award Nomination

Recommendation:

That Council support the nomination prepared by Nancy Silcox with respect to Marie Voisin as the recipient of the Lieutenant Governor's Ontario Heritage Award for Excellence in Conservation.

Background:

The Lieutenant Governor's Ontario Heritage Awards, administered by the Ontario Heritage Trust, are awards that recognize individuals or groups that demonstrate exceptional contributions to heritage conservation, environmental sustainability and biodiversity, and cultural and natural heritage. The recipient must demonstrate leadership, commitment, creativity, positive impact on their community and good conservation practices. The Excellence in Conservation under this program is a prestigious award presented to recipients who demonstrate a high calibre, standard and value of conservation practice. Those nominated have "completed (or substantially completed within the year preceding the nomination deadline) a specific conservation activity or project that is an exceptional contribution to natural or cultural heritage conservation and must include a project that is located in, and benefits, Ontario." These awards are presented annually at a ceremony at Queen's Park in Toronto.

Discussion:

Wilmot Township resident Nancy Silcox approached staff to seek support from the Township of Wilmot to accompany her nomination of Marie Voisin. On August 5, 2015, Heritage Wilmot unanimously passed a motion at their meeting to support the nomination of this prestigious award recognizing Marie's outstanding contribution to conserving the Imperial Hotel located in New Hamburg's Heritage Conservation District. Having the nomination also endorsed by Council would demonstrate strong support on behalf of the Township of Wilmot for Ms. Silcox's application.

Strategic Plan Conformity:

The report implements the following goals from the Strategic Plan:

We are an engaged community through promoting our rich cultural heritage. We protect and promote the Township's built heritage.

Financial Considerations:

n/a

Conclusion:

The Lieutenant Governor's Ontario Heritage Award Nominations for the OHT award can be supported by municipal councils to enhance the eligibility of the recipient. Staff recommend that Council support the nomination of Marie Voisin for the Lieutenant Governor's Ontario Heritage Award for Excellence in Conservation.



Tracy Loch, Curator/Director

Reviewed by CAO



HERITAGE WILMOT

August 24th, 2015

Recognition programs
Heritage Programs and Operations Branch
Ontario Heritage Trust
10 Adelaide Street East
Toronto, Ontario
M5C 1J3

Re: Nomination endorsement of Marie Voisin, Lieutenant Governor's Ontario Heritage Award for Excellence in Conservation

This letter is written on behalf of Heritage Wilmot, the Municipal Heritage Advisory Committee, for the Township of Wilmot.

The committee is in full support of the nomination of Marie Voisin for the Ontario Heritage Award under the category of **Excellence in Conservation** through construction, re-use, and restoration of a significant heritage building.

The old Imperial Hotel occupies a prominent corner in the New Hamburg Heritage Conservation District, which was designated by the Township of Wilmot in 1992. The building had been partially vacant and underused for many years when Ms. Voisin purchased it and began to plan for its re-use and restoration. Once work is completed, the building will contain retail spaces and a restaurant and bar on the ground floor, with the upper two floors being configured into rental apartments geared towards seniors.

Great care has been taken to plan each step of the exterior restoration following original photos of the historic building. The brickwork has been carefully cleaned and re-pointed. Missing elements from the buildings cornice will be replaced. New windows have been appropriately sized to match the original windows. As many of the interior features as possible have been retained during the planning for the interior work as well. The addition to the rear of the original building has been designed to be distinct from the original, but in a design that complements the original building.

THE CORPORATION OF THE TOWNSHIP OF WILMOT

60 Snyder's Road West, Baden, Ontario N3A 1A1

Phone: 519-634-8444 Fax: 519-634-5035 Toll free: 1-800-469-5576 Website: www.heritagewilmot.ca

Throughout the process, Ms. Voisin and her team of professionals have been in close contact with the Heritage Wilmot Advisory Committee. Early on, the Chairperson and Township staff representative were afforded the opportunity to tour the building to discuss preliminary plans for the space. Ms. Voisin later came to a Heritage Wilmot meeting to speak to the Committee about the project, and has kept us informed of her intentions for the restoration and re-use of this important building. The architect for the project has also met with the committee and shown the Committee the plans for the building. This close contact with Heritage Wilmot has enabled the Committee to review and provide comments regarding the plans, and helped to ensure that the restoration work is in keeping with the guidance contained in the New Hamburg Heritage Conservation District Plan.

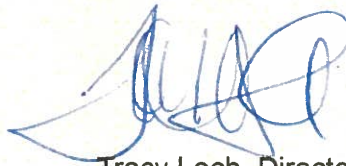
The committee greatly appreciates the initiative taken by Ms. Voisin to bring back to life this feature building in New Hamburg, and is very pleased that the building will re-used and remain a feature building downtown. It will be a great asset to the core area of New Hamburg.

In summary, the Heritage Wilmot Advisory Committee endorses the nomination of Ms. Marie Voisin for this prestigious award.

Yours truly,



Nick Bogaert, Chairperson
Heritage Wilmot Advisory Committee



Tracy Loch, Director / Curator
Township of Wilmot



HERITAGE WILMOT

60 Snyder's Road West, Baden, Ontario N3A 1A1

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Grand River Watershed Water Management **ACTION** Plan 2014 *Report on Actions*

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- 3 Reducing Flood Damages
- 4 Ensuring Water Supplies
- 5 Improving Water Quality
- 7 Building resilience
- 8 Looking Ahead, Challenges

Introduction

The Grand River Watershed Water Management Plan calls for annual progress reporting on the implementation of actions, starting in 2015.

The Actions identified in the Plan move us toward achieving the goals – to reduce flood damages, ensure water supplies, improve water quality and build resilience to deal with a changing climate.

This inaugural *Report on Actions* summarizes activities from the previous year and provides insight into the collective work plans of the partners for the coming year.

In addition, watershed conditions are highlighted. A complete report that summarizes watershed conditions and trends will be prepared every five years starting in 2019.

PARTNERS

Brant
Brantford
Cambridge
Centre Wellington
Environment Canada
Grand River Conservation
Authority
Guelph
Haldimand
Kitchener
Ministry of Agriculture, Food
and Rural Affairs
Ministry of Environment and
Climate Change
Ministry of Natural Resources
and Forestry
Oxford
Region of Waterloo
Six Nations of the Grand River
Waterloo

Partnerships and co-ordination

The Plan was endorsed by 27 municipalities, Six Nations of the Grand River, Environment Canada, the provincial ministries of Environment and Climate Change, Natural Resources and Forestry, and Agriculture, Food and Rural Affairs, and the GRCA Board in 2014.

Four meetings of the Water Managers Working Group, the Plan's main implementing body, will take place in 2015.

Stormwater managers continue to meet to discuss best practices for stormwater management. Wastewater managers are meeting to continue to optimize wastewater treatment plants and share lessons learned. The southern Grand River working group continues to advance work in the Dunnville area.

Partners are working together to optimize efforts for monitoring the conditions of the watershed to support good stormwater, wastewater and land use planning. Good information supports good decisions. This work will enable a comprehensive report on the status of the watershed to be completed for 2019.

Summary of progress

2014 marks the first year of Plan implementation.

Partners are advancing 120 of the 163 actions listed in the Plan. Some actions have been completed and are highlighted in this report while other actions are scheduled to start in the next few years.

Status of the Implementation of Actions



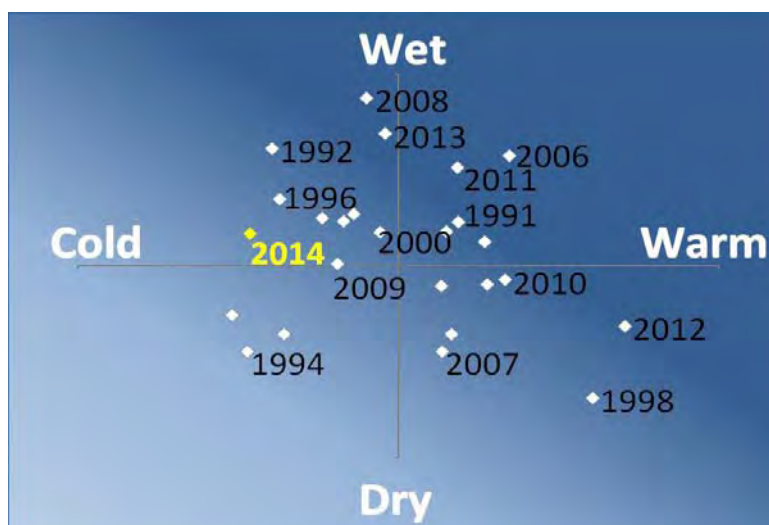
- In Progress
- Completed
- Future

Watershed conditions

In 2014, conditions were generally wetter and cooler than average and reservoir levels were above average due to the wet conditions. Dissolved oxygen levels in the river were generally good due to the high flows.

Water resource engineers operate the reservoirs to maintain river flows to meet **low flow targets** on the Grand River at Doon and Brantford. This is important for the Region of Waterloo, City of Brantford, and Six Nations who take some or all of their drinking water from the river. Flows are also maintained to dilute the treated wastewater discharged from wastewater treatment plants. Consideration is given for the ecological needs of the river system as well. Active reservoir management helps to maintain a healthy river system.

River flows were consistently above the low flow targets in 2014



Watershed conditions were generally cooler and wetter than average in 2014. This chart shows yearly conditions as described by deviations from average annual precipitation (wet/dry) and temperatures (warm/cold) since 1990. 2014 is highlighted in yellow.

Reducing flood damages

Reservoir operations, flood forecasting and warning

The seven multi-purpose reservoirs managed high flows in both the spring and fall. The reservoirs effectively reduced downstream flooding. For instance, the reservoirs cut river flows by 25% in the spring and up to 55% during a large snowmelt event in November.

Watershed flood coordinators met in February 2014. All municipalities successfully responded to the test flood alert.



The flood program issued many statements in 2014

Dam and dike safety studies

The GRCA owns and operates 29 of the 150 dams in the watershed. There have been safety studies completed for specific components of each GRCA dam. In 2014, a dam embankment study for the Luther Dam and a gate reinforcement analysis for the Shand Dam were completed.

Major repairs and maintenance was completed on six GRCA dams in 2014 including the rebuilding of Drimmie Dam in Elora; stop log replacements at Damascus and New Dundee dams; concrete restoration on a wingwall of the Wellesley Dam; gates and gate seals repaired or replaced at Guelph and Conestogo dams, and new fencing erected at the Caledonia Dam.

Floodplain mapping and emergency preparedness

Accurate floodplain mapping is the foundation of emergency preparedness. In 2014, the GRCA and the Ministry of Natural Resources and Forestry started a project to update floodplain mapping.

Permits and plan review to reduce future flood damages

To reduce future flood damages, the GRCA has the responsibility to regulate activities in natural and hazardous areas. This is done through the application of regulations affecting areas in and near rivers, streams, floodplains, wetlands, slopes and the Lake Erie shoreline.

Seven multipurpose reservoirs and dams are operated to reduce flooding and maintain water in the river during the summer. Ongoing maintenance is needed to maintain these assets.



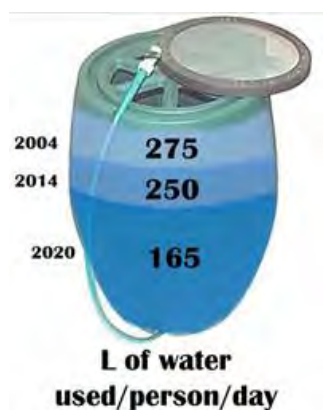
Dam embankment upgrade completed at the Luther Dam, Amaranth Township, to ensure future stability of the dam.

104 permits were reviewed to protect people from flooding and ensure damage to property was avoided or minimized

236 permits were reviewed near wetlands to ensure water stays in place and does not cause downstream flooding

3 subwatershed studies were endorsed – Waterloo North, Cambridge West and Freeport Creek, to maintain the natural water cycle

Permits and plan review prevent future flood damages



Average per person water use has dropped to about 250 L per person per day in 2014 from 275L. The future target is 165 L per person per day for Guelph and the Region of Waterloo.



Renovation of an old irrigation pond, before (top) and after (bottom), helps reduce takings directly from creeks.

Many agency partners worked together with the farming community to identify alternative water supplies for irrigation.

Ensuring water supplies

Water supply planning and water security

Water budgets help identify where and how much water is available for municipal supplies, irrigation and environmental needs. Water budgets are being considered as a way to help the process of issuing a Permit To Take Water in Ontario.

The Tier III Water Budget for the City of Guelph and Region of Waterloo is now complete. The Whiteman's Creek Tier III Water Budget study has started.

Many municipalities are actively managing water demand through conservation programs. They regularly develop master plans for long-terms water supply management.

The Region of Waterloo and City of Guelph completed their Water Supply Master Plans in 2014. The Region has also completed a Water Efficiency Master Plan. Conservation efforts continue to be encouraged and, as a result, water demand is decreasing.

Drought contingency planning

A specific drought contingency plan for Whitemans creek subwatershed was completed.

A drought contingency plan for the Grand River watershed was completed.

The agricultural community was active in the Whitemans Creek watershed in 2014 by implementing irrigation system assessments and identifying alternative sources of irrigation water. Work was done through the Water Adaptation Management and Quality Initiative (funded by Agriculture Canada and the Ministry of Agriculture, Food and Rural Affairs under Growing Forward – 2. Other project partners were the ministries of Environment and Climate Change, Natural Resources and Forestry, Brant and Oxford Federations of Agriculture, Farm and Food Care and GRCA.

Protecting drinking water

Drinking water is an important use of both ground and surface water in the watershed.

The proposed Grand River Source Protection Plan was submitted to the Ministry of the Environment and Climate Change in 2013; reviewed and updated in 2014 for resubmission in 2015.

Six Nations commissioned its new water treatment plant. Brant upgraded the treatment system at the Mount Pleasant municipal well and they are bringing the Bethel Road municipal wells into service.

A groundwater study was completed for the Bethel wells to determine the wellhead protection area.

Improving water quality

Managing point sources

Wastewater treatment plants are significant sources of nutrients to the river system in the summer. Municipalities are improving their plants through upgrades and optimization.

Centre Wellington upgraded the Elora wastewater treatment plant. It now includes nitrification, tertiary filtration and biosolids stabilization.

Haldimand County's application of the Composite Correction Program demonstrated additional capacity that resulted in the re-rating of the Cayuga plant, deferring significant capital costs.

The Region of Waterloo continues to upgrade the Kitchener and Waterloo wastewater treatment plants.

Mapleton, Wellington North and Brant worked with the GRCA to complete Comprehensive Performance Evaluations of their plants to identify opportunities to improve plant performance and/or opportunities to realize additional capacity.

*The **Composite Correction Program** is an approach to address performance and capacity limiting factors at wastewater treatment plants. The first step of the CCP is a **Comprehensive Performance Evaluation**, which evaluates the operation, design, maintenance, and administration of a plant to determine the factors that may be affecting performance or capacity.*

Managing urban non-point sources

Stormwater management in the central watershed helps reduce flooding in urban areas and improve local and downstream river water quality. Partners have committed to developing a community of practice through the Stormwater Management Working Group.

Brantford completed a Master Servicing Plan that included wastewater and stormwater. Kitchener initiated a Stormwater Master Plan update.

Funding for stormwater management is being addressed through a study in Guelph.

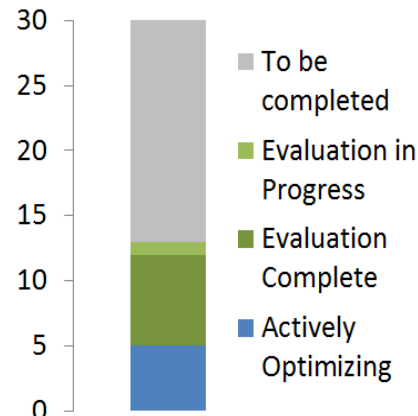
Nearly 1,300 Waterloo and over 5,100 Kitchener residents/businesses have received credit for adopting stormwater best management practices since the stormwater credit programs were started.

The RAIN Program conducted 128 home/business visits and recognized 6 leaders with Community Action Awards in Kitchener and Waterloo. They started reaching out to Cambridge residents.

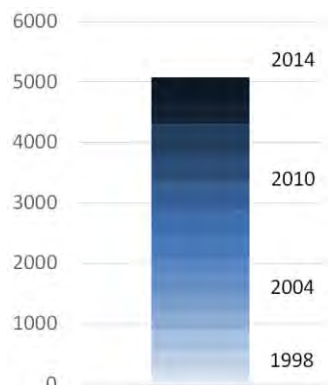
Municipalities across the watershed continue to promote the Smart About Salt program. The Region of Waterloo launched its Curb the Salt campaign.



The new Elora wastewater treatment plant will improve river water quality for the world-class brown trout tailwater fishery



*The Wastewater Optimization Program is gaining support across the watershed; 12 of the 30 plants in the watershed have completed a Comprehensive Performance Evaluation. Optimization efforts continue in **Brantford**, **Haldimand** and **Guelph**.*



Total number of completed Rural Water Quality Program projects since 1997 exceed 5000!

Conservation Services staff are using advanced GIS tools and approaches to engage the farming community about erosion and keeping valuable soil on the land



The Southern Grand River estuary near Port Maitland.

Improving Water Quality *continued*

Managing rural non-point sources

Since 1998, the Rural Water Quality Program has provided financial incentives and technical assistance to rural landowners to implement projects to improve and protect water quality. The agricultural community implemented 380 projects in 2014.

In 2014, the program was available in 75% of the watershed with funding from Waterloo Region, Wellington, Guelph, Brant, Brantford, Oxford and Haldimand. Limited funds were available in the remainder of the watershed.

These projects led to an additional 4,100 kilograms of phosphorus remaining on the land, bringing the total to 104,000 kg of phosphorus retained each year.

The Ministry of Agriculture, Food and Rural Affairs supported further development of decision-support tools to promote efforts to reduce soil erosion and nutrient movement off the farm. As a result, the GRCA developed detailed maps to help identify erosion areas or 'hotspots' in six sub-watersheds in the Nith River basin. Work continues in 2015 in the Conestogo River basin.

Improving natural river processes

Streams and rivers in the Grand River watershed carry water and sediment to Lake Erie while also providing valued habitat for fish, amphibians, aquatic insects and plants. Work to facilitate natural river processes in many small streams and the larger rivers will help to support a healthy watershed.

Ministry of Natural Resources and Forestry and Environment Canada supported studies to improve the technical understanding of the southern Grand River through a formalized decision analysis, development of a new digital elevation model and new river bathymetry.

In partnership with the Fisheries Management Plan Implementation Committee, GRCA collected temperature data near a small dam on McKenzie Creek.

Kitchener naturalized 1.3 km of stream in Schneider Creek subwatershed to help improve water quality in Victoria Lake.

Mill Creek Stewardship Rangers rehabilitated over 450 metres of Mill Creek.

Building resilience requires a commitment to data-based decision making

Data collection, evaluation and decision making

Water monitoring programs in the watershed include stream flow, water quality and groundwater. The data collected by these programs help inform water management decisions.

GRCA and Water Survey of Canada collect stream flow data at 55 stream flow gauges. The data provides the information needed to prepare for and forecast flooding. It also informs the management of the reservoirs to ensure that flow targets are met.

Ambient groundwater is monitored at 27 wells throughout the watershed by the GRCA in partnership with the Ministry of the Environment and Climate Change. The GRCA also monitors ambient groundwater conditions at 23 more wells. Wells are equipped with data loggers for continuous measurement of water levels and temperature. In 2014, the ministry supported the instrumentation of 3 groundwater wells with telemetry for real-time monitoring. In addition, many municipalities have their own groundwater monitoring programs.

GRCA collects river water quality 10 times a year at 37 sites in partnership with the Ministry of Environment and Climate Change. In addition, the ministry recently started collecting water quality data at a new site in the Grand River estuary downstream of the Dunnville Dam.

The Region of Waterloo monitors river water quality at 28 sites above and below their wastewater treatment plants to inform current and future wastewater management. In addition, they evaluate the health of the aquatic community every three years.

A 3-year research project sponsored by the **Canadian Water Network** on Aquatic Cumulative Effects Assessment in the Grand River concluded in 2014. Plan partners will use this research to inform their operational monitoring. The Grand River watershed continues to be a focus of many innovative projects sponsored by the **Southern Ontario Water Consortium**.

The Ontario Geological Survey continues to map the overburden sediments in the watershed. They have focused recently on areas in Haldimand, Wellington and Dufferin counties. These projects allow water managers to understand and better manage the aquifers in these areas.

Cities of Kitchener, Waterloo, Guelph, Brantford, Region of Waterloo and non-government organizations like Trout Unlimited collect water data for informing subwatershed planning, characterizing conditions and river restoration.



Collecting river flow data allows engineers to calibrate flood forecast models



Collecting stream water quality samples help to gauge the health of the stream



Long-term groundwater level data enables hydrogeologists to understand how aquifers respond to changing climate conditions

Looking Ahead – short, mid and long-term workplans

| 2015-16 | 2017-19 | 2020+ |
|--|--|---|
| <ul style="list-style-type: none"> • Water Managers will review and optimize water monitoring efforts • Region of Waterloo to start Wastewater and Biosolids Master Plans • Centre Wellington to start Water Supply Master Plan • Nutrient targets will be set for Lake Erie in 2016 • Master Servicing Plan for Paris is expected to be complete in Brant • Guelph WWTP anticipates the completion of a pilot plant to treat concentrated wastewater • Environmental assessments to consider wastewater servicing and treatment are expected to be completed for Arthur, Mapleton, Drumbo and St. George • New hydrography for the watershed should be complete • Kitchener anticipates completion of the Stormwater Master Plan • Brantford plans to launch a stormwater flow monitoring program and Subwatershed Master Plan studies. | <ul style="list-style-type: none"> • Major treatment upgrades at the Kitchener WWTP are expected to be completed • GRCA will review the reservoir operating policy and work with the MOECC to review low flows for wastewater planning • A watershed resources conditions report will be completed by Plan Partners by 2019 • Water managers will sponsor cost-benefit analysis for evaluating point vs nonpoint source controls for future water quality improvements • The Implementation Committee will review the Water Management Plan in 2019 & if necessary, initiate a process to update the Plan | <ul style="list-style-type: none"> • Brant will carry out studies with plans to upgrade the Paris and St. George wastewater treatment plants • Water Managers will investigate producer-municipal partnerships to jointly manage nutrients and organic wastes for energy production |

Challenges and barriers to success

Having a water management plan is only the beginning. The success of the plan will lie with the partnerships and the people to tackle the following challenges:

1. **Maintaining engagement** as people retire or move on, the transfer of knowledge to new staff and sharing lessons learned or approaches will be critical.
2. **A commitment to implement** the actions and report on progress – *a plan only succeeds if implemented*
3. **Allowing innovation.** Innovative approaches that may not be consistent with current regulatory practices are needed to achieve the goals of the Water Management Plan.



GRAND Actions

The Grand River watershed newsletter



July/August 2015 • Volume 20, Number 4

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Cover photo

Setting up a seine net in the Grand River by Snyder's Flats.

Photo by Kevin Tupman



GRCA staff net 949 fish on Grand

By Janet Baine

GRCA Communications specialist

For some people, a dream job is going fishing and getting paid for it.

As the need arises, GRCA staff do this. They call it a fisheries community survey. The goal is to visit aquatic habitats (rivers, ponds, reservoirs and creeks) to find out which species of fish live there. On a recent trip to Snyder's Flats near Bloomingdale, across the river from the City of Waterloo, they netted 949 fish.

Staff from the Ontario Ministry of Natural Resources and Forestry helped out.

Seine nets and minnow traps were used in the ponds. Anecdotal information collected from anglers also helped complete the survey.

Electrofishing was used in the floodplain channel. A trained staff member wearing a backpack unit sends a mild electrical current through the water. The current temporarily stuns

the fish and attracts them towards the sampling crew, who scoop the fish out of the water with a net. Fish are placed in buckets to recover. They are then identified by staff, who record details before releasing the fish back to the watercourse.

This is a way to capture fish and learn which species live in the channel. This practice doesn't hurt the fish and gives the GRCA information about the fish community composition.

Fish tell us how healthy the habitat is

Fish are excellent indicators of stream, river and pond health for many reasons. Some species can tolerate pollution and degraded water, while other species do not. In the Grand River system, many sites are monitored regularly, while others are monitored for special studies.

Snyder's Flats was surveyed as part of a biological inventory for the property. Two other surveys were done on this property during the



Photos by Kevin Tupman

These photos were taken during an assessment at Snyder's Flats near Bloomingdale, across the river from the City of Waterloo. Clockwise from left: 1.brown bullhead 2 rosyface shiner 3. electrofishing pack 4. processing the fish once they have been caught 5. electrofishing 6. a largemouth bass.

early summer — a frog survey and a bird survey. An inventory of plants has already taken place.

This information will help guide the GRCA as it completes an update of the master plan for the area. The master plan sets out the future plans for restoration and management of the property.

More than 90 species of fish have been documented in the Grand River watershed, and we now know that Snyder's Flats is home to at least 30 different species. These include small and largemouth bass, yellow perch, black crappie, pumpkinseed, common carp, shiners, darters and suckers.

"We were really excited to find young-of-the-year fish using the floodplain channel and ponds," said Crystal Allan, the GRCA's supervisor of natural heritage. Through the 1980s and 1990s, Snyder's Flats was created to demonstrate how to rehabilitate an aggregate pit.

The design sought to reconnect the river valley with its floodplain and offer important spawning and nursery habitat to fish from the Grand River.

Water expert Emil Frind

By Janet Baine
GRCA Communications Specialist

Emil Frind is a highly-cited groundwater expert who has been working on a surprising variety of projects ever since he retired from the University of Waterloo way back in — he's embarrassed to say — 1998.

One has the sense that he keeps working because he cares deeply about the direction the world is headed. For his work, Frind received a 2014 Grand River Watershed Award.

A long list of articles in academic journals and speaking engagements at international conferences, as well as awards received, show he is well-respected by his students and colleagues. He remains at the top of his field.



Emil Frind

WATERSHED AWARDS

Frind was a key player in the aftermath of the Walkerton disaster in 2000, when seven people died and many became ill after the water in that community became contaminated. He noted that there were cows beside a town well and realized that Ontario still lacked the source protection regulations that other countries have had in place for a long time.

He spearheaded a study and recommendations were submitted to the judicial enquiry that eventually led to Ontario's 2006 Clean Water Act.

Frind pioneered using computer technology to figure out how groundwater moves beneath our feet. He developed the first groundwater model in Canada, the Welland model, in 1969.

The simple model he developed for the Waterloo Moraine as a young man and new faculty member in the 1970s has evolved over the past 40 years. It is now a powerful 3D model for studying the impact of human activities on groundwater. To this day, he often gives advice to citizen groups on groundwater issues.

A recent project was the summer 2014 Special Issue of the Canadian Water Resources Journal called "The Waterloo Moraine: Water, Science and Policy" that he edited. This project was sponsored by Natural Resources Canada. It has articles by many experts that he selected to write about the science needed by the Region of Waterloo to develop its successful groundwater management strategy.

Rely on groundwater, not pipeline

Together with water-saving measures, this science-based strategy is allowing Waterloo Region to continue relying on the groundwater of the Waterloo Moraine as its main water source, assuring water sustainability while saving the Region's taxpayers the billion-dollar cost of a Lake Erie pipeline.

Frind feels his proudest achievement was when government cutbacks to conservation

authority funding in the 1990s meant the GRCA was set to sell two parcels of land at Laurel Creek for housing development to raise needed funds. Frind took action.

"I thought, I'm not going to accept it," and he, son Michael, and neighbour Fran Hatch

"The earth is finite and you can't get around that," Frind says. "Eventually you run up against some limit."
-Emil Frind

"mobilized the public to save Laurel Creek Nature Centre from being carved up." They raised \$5,000 from many small donations and cookie-baking. The city, under then Mayor Lynne Woolstencroft, contributed

the water services hookup for the nature centre building valued at \$80,000. It was not quite the \$2 million that the land would have been sold for, but it was enough. In 2004, the GRCA took the land off the market. Instead of houses going up on the Laurel Creek lands, trees were planted.

More recently, when the City of Waterloo was looking for a way to clean up Clair Lake, Frind stepped in along with other neighbours and stood against the initial preferred option that would have seen a creek run beside a much smaller off-line pond. Frind did the calculations and found that there was not enough water running through to keep both the stream and the pond healthy. So the community got its lake back. Frind's core message is conservation.

Landowners receive award

Buck Ross and Joyce Spies received a 2014 Grand River Watershed Award for the many projects they have undertaken on their agricultural properties in the northern part of the watershed.

Ross first started planting trees with the GRCA in 1984. Ever since then, the family has been undertaking environmental projects on their land near Arthur. They raise turkeys and chickens and grow wheat, corn and soybeans.

"We feel sustainability is very important and Mother Nature is the boss," Ross said.

He has planted thousands of trees in shelter belts and wildlife corridors. The wildlife corridors provide a way for animals to move from one habitat to another. This helps alleviate the fragmentation of habitat caused by human activities, such as roads, farms and development.

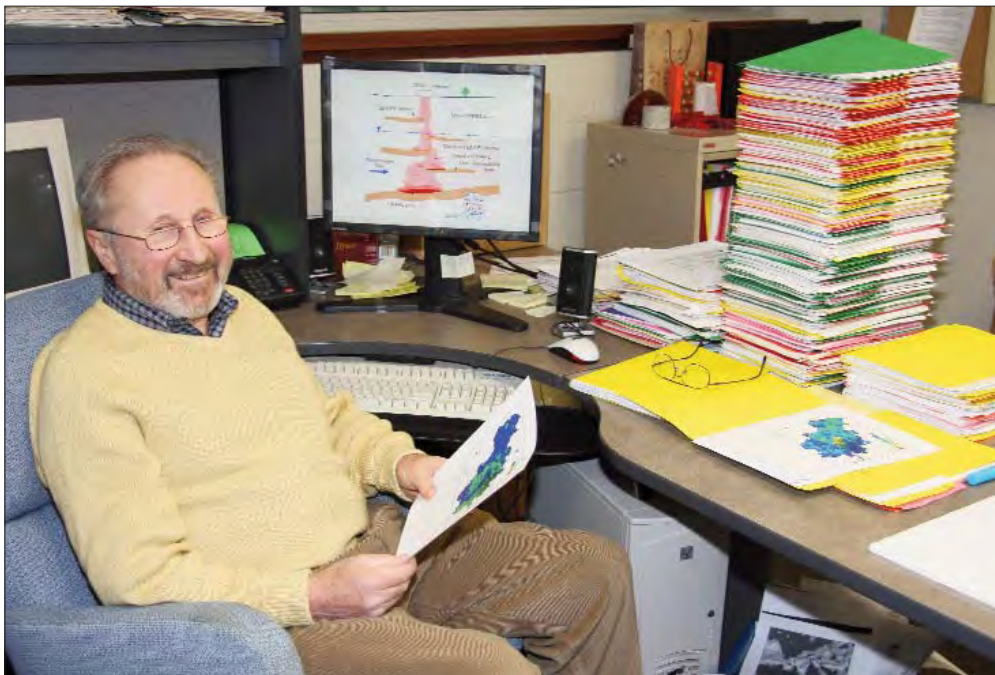
Windbreaks are linear plantings of trees and shrubs that enhance crop production, protect people and livestock, and benefit soil and water conservation. Windbreaks around buildings help cut down on energy costs of farm buildings and homes, keeping them warmer during the winter and cooler in summer.

"Located in the headwaters of the Grand River watershed, the environmental practices on this farm benefit everything downstream. Not only do they improve wildlife habitat and water quality, they also serve as a demonstration for the farming community," his neighbour Melisa Luymes wrote when nominating the Ross family for the award.

Ross and Spies have also had community groups plant trees on their land. They allow youth groups, such as cadets, to use the property for meetings, helping them to also connect with the land and nature.

Spies is an active volunteer in her community.

The Ross family has hosted tours and events on their property, such as workshops for the GRCA and local universities. They practise conservation tillage, leaving the crop residue on the soil surface, to help stop erosion. This slows water movement, which reduces erosion and runoff.



Emil Frind at work in his office at the University of Waterloo. He was a pioneer in water modelling and has also worked on many community initiatives.



Buck Ross stands with the first trees planted on his land through the conservation authority 30 years ago. He has undertaken numerous environmental projects.

Streams of fish across the Grand

Streams of colourful fish are flowing across schoolyard fences in the Grand River watershed.

They are created by children, but provide a message for all of us.

A team at the Grand River Conservation Authority has been licensed by the Stream of Dreams Murals Society to deliver this unique program. It brings environmental education and art together. It is a new addition to the many programs that are offered by the nature centre staff.

Unlike other nature centre programs, this one is taught in schools rather than at a GRCA nature centre.

This program was developed in Burnaby, British Columbia, after an unfortunate incident — someone dumped toxic material into a storm drain, killing everything in the creek, including 5,000 fish. Many organizations, including some conservation authorities, are now licensed to deliver the program in other provinces.

The program teaches students about connections to local watersheds. They are challenged to think about where their water comes from, where it goes and what they can do to protect it. The bottom line is that “all drains lead to fish habitat” and it is essential to be careful what is put down storm sewers.

TAKING ACTION

After learning this lesson at a grade-appropriate level, students create their own dreamfish. These are fish shapes cut from plywood that are painted. The combination of all the fish results in murals.

Already there is a Stream of Dreams mural flowing across a fence at W. Ross Macdonald School in Brantford and another at the pool enclosure at Brant Park in Brantford. A third was installed along the Nith River at Lions Park, Paris. Breslau Public School is the first in Waterloo Region to have a fish mural. This is thanks to the Region of Waterloo Community Environment Fund that provided money to launch the program in the region.

Community art legacy

Once installed, the art murals are a community art legacy and a reminder of environmental responsibility that everyone has for fish.

For more information on this program, please contact Louise Heyming, supervisor of conservation outreach for the GRCA at lheyming@grandriver.ca or 519-621-2763 ext. x2279.



A stream of dreams was installed at Brant Park pool in June as part of the celebration of the 10th anniversary of the Brantford/Brant Children's Water Festival. This photo was taken from behind. The fish are all painted on the other side.

They also plant clover as a cover crop, which is a sustainable farming practice.

Their property is also a demonstration site for grassed waterways and ditch bank buffer zones as well as French drains, all techniques that improve water quality. These drains are trenches filled with gravel or rock that contains a pipe to redirect water.

For information

The GRCA's Rural Water Quality Program works with landowners across the watershed to undertake environmental projects on their property, such as those on Buck and Joyce's land.

If you are interested in doing environmental work on your property, please email ruralwater@grandriver.ca or call 519-621-2763 and ask for a Rural Water Quality Program representative.



A breeding pair of prothonotary warblers were nesting in Brant County this spring. This is the first confirmed breeding record of this species for the Grand River watershed.

Grand has 305 bird species

By Janet Baine

GRCA Communications Specialist

There's a newly updated version of the Grand River Watershed checklist of birds available on www.grandriver.ca/birding.

The checklist includes all bird species that have been recorded historically, as far as the Grand River Conservation Authority is aware. The list includes 59 species that are rare within the province and 27 that are at risk in Ontario and Canada.

Birding has evolved from a mere recreational activity into an important aspect of bird conservation, notes Tony Zammit, aquatic and terrestrial ecologist with the GRCA. The checklist of birds was intended to be a guide for recreational birders, GRCA staff, consultants and others with an interest in birds and bird conservation.

Programs developed by organizations including Bird Studies Canada make information about birds easier to find and share than it was 10 years ago.

"We have better record-keeping and it is easier now to find out about rare species," explains Zammit. "There is definitely also an increase in the level of interest in birding."

Internet websites such as www.ebird.org encourage people to record and share their

WHAT'S HAPPENING

sightings with each other and also see what birds have been recorded in their area. Through time, a historical record is being built up by citizen scientists, and more people are turning to online record keeping for personal lists of sightings, which can also be viewed by anyone.

Information about birds and bird calls is much easier to track down than in the past with the advent of sites such as www.allaboutbirds.com. There are many active birding hotspots within the watershed.

In 2010 a scissor-tailed flycatcher was seen at Luther Marsh, and this was exciting news for birders, who read about the sighting online and "flew" up to the area to catch a glimpse of it. This species is extremely rare and had not been seen in the watershed for many years. A dickcissel was seen at Luther in 2013. Both of these are vagrant species, meaning they had strayed outside their expected range. This year, a breeding pair of prothonotary warblers pleased and surprised birders in Brant County. All three of these species are on the GRCA's checklist of birds.

Zammit hopes that the Belwood osprey web camera will encourage more people to

keep their eyes to the sky and learn about the birds that most of us take for granted.

"It is hopefully going to inspire more people to get out and visit natural areas. That is always a good thing," he said.

If you have documented a bird that is not on this list, please contact Tony Zammit at tzammit@grandriver.ca or 519-621-2763, ext. 2246.

Osprey web cam update

By Janet Baine

GRCA Communications Specialist

The young osprey at Belwood Lake each have two leg bands — a silver one and a blue one.

Master bird bander David Lamble has banded about 200,000 birds over the years including about 200 osprey. Each year he bands the osprey from Belwood Lake and Luther Marsh and thousands of birds of other species. He is a retired chemistry teacher and a volunteer bander who received a Watershed Award from the GRCA in 1999.

With a boost from a lift truck, Lamble was lifted up to the web cam nest so he could remove the young osprey on June 26. The adults, Bella and Woody, left the nest during this time, but they remained nearby.

"There is an 80 per cent chance that the adults will survive the year and an 80 per cent chance that their young will not," Lamble said, explaining that the adults will leave during banding and then return and it will be as if nothing has happened.

He put a silver band with nine digits on on the right leg of each young bird. This is a standard U.S. Fish and Wildlife Service band, but the numbers are small and don't tend to be reported until the bird is found dead.

A second blue band that Lamble has devised is on the left leg. These numbers are bigger and it is easier to see and report the numbers from these bands.

The older of the two offspring, Fergus, bears a blue band with B42 on it, while the younger one, Welley, has B43. Fergus and Welley were placed back in their nest about a half-hour after they were removed and Lamble was not able to tell if the birds were male or female at that time.

Banding is a scientific way of learning more about birds. It allows observers to



On June 26 two young osprey were removed from their nest at Belwood Lake to be banded by master bird bander David Lamble. From left, Lamble puts a band on the leg of one of the young osprey; close up of the banded feet; and a parent watching over the young once they had been returned to the nest. Banding takes place before the young begin to fly. For more photos, the GRCA osprey intervention policy and to watch the live osprey cam that will be active until they leave the nest, check www.grandriver.ca/osprey.

collect information about habitat use, life processes and movement. Banding protocols follow international standards, and information is stored and accessed through a central system.

Hopefully these two birds will successfully fledge and their blue bands will be spotted many times in coming years, including occasions in exotic places, Lamble said.

Osprey are closely watched

The Belwood osprey have been closely watched since late April. Life is touch-and-go during the early days, and there have been moments when it is hard to watch the

webcam. There are also amazing moments to witness, such as the hatching of eggs, the care given by the parents and the first flights that began July 23.

By the end of July, the osprey cam had become so riveting that people collectively had spent more than three million minutes watching the young family, which has garnered nearly 150,000 views. At times, 200 people have tuned in at once.

As one observer commented, when osprey behaviour is interpreted in human terms, it can be problematic and upsetting to watch. For example, osprey parents invest in the strongest offspring and feed the older siblings first. Fortunately, the Grand River provides lots of food, so there has been enough for everyone at this nest.

Observation of nature is entertaining and thought provoking. It gives us a better understanding of birds in the wild. As the young learn to fly (at the time of writing the second, Welley, has not yet taken a first flight), they will be on the nest less frequently. They are expected to migrate around the end of August.

One viewer wrote on Facebook: "Over these past few months we have enjoyed watching this family raise their young. I have learned a lot about these birds and hopefully will have a chance to watch another osprey family next year. I am going to miss checking in on the little ones when they finally leave the nest. Watching these birds is more

50 Things contest on until Sept. 8

The GRCA is holding a 50 Awesome Things to Do contest until Sept. 8.

Participants in nature programs at seven of the Grand River Parks will have the chance to win a weekend for two "glamping" (glamour camping) at Elora Gorge Park, an eco-birthday party or an annual Grand River Parks pass.

The contest encourages participation in family interpretive programs at Grand River Parks. These programs are led by GRCA nature guides.

Park visitors can experience nature-themed activities at parks within the central part of the Grand River watershed, including:

- Laurel Creek (Waterloo)
- Rockwood
- Guelph Lake
- Shade's Mills (Cambridge)
- Pinehurst Lake (near Paris)
- Brant Park (Brantford)
- Elora Gorge.

At each nature program event, people will receive a contest ballot for a chance to win a prize. The more park programs attended, the greater the chance of winning.

See www.grandriver.ca/parks for details and to download the two 50 Awesome Things to Do This Summer lists.

If you spot a blue-banded osprey

Citizen scientists play an important role, because they can read the blue leg band and report osprey sightings.

If you see an osprey with a blue band and can identify the three digit code, please email dlamble@hotmail.com with this information. This will let us know where the osprey banded in the Grand River watershed end up. David Lamble has had few reports of osprey he has banded. But they have been reported as far west as Minnesota, as far north as Algonquin Park, as far east as Hamilton, and as far south as Haiti.

Please help track the blue-banded osprey that hatch each year within the Grand River watershed.

Templin painting returned to GRCA

A painting that was given by the Grand River Conservation Authority to Hugh Templin (1896-1970) to thank him for his outstanding service to the Grand River watershed was recently given back to the GRCA by his family.

Templin was one of several far-sighted men and women who pushed for solutions to the serious problems that were being experienced by the Grand River watershed residents in the early 1900s. At that time, the state of Grand River was perilous because of damaging floods, droughts and abysmal water quality. These problems threatened the health and well-being of the cities, towns and farms of the watershed.

Templin was born and raised in Fergus and was writer, editor and publisher of the *Fergus News-Record*, 1918-63. He was also a tireless advocate for the Grand River. Templin drew national attention to flood and drought on the Grand in a 1937 Maclean's Magazine article. In 1938 he was a founding director of the Grand River Conservation Commission, and the following year construction got underway on the Shand Dam on the site suggested by Templin.

He was a 'tenacious proponent' of Elora Gorge Park, which was the first conservation area in the province, opening in 1954. Ontario Premier Leslie Frost called him "the father of conservation in Ontario."

In 1963, Templin received a Distinguished Service Medal from the Ontario Water Resources Commission. Then in 1966 he was honoured by the GRCA on the occasion of the merger of the Grand Valley Conservation Authority and the Grand River Conservation Commission. They joined



Hugh Templin

together to form the modern day GRCA.

Templin accomplished a great deal outside of the watershed as well. He was a president and life member of the Canadian Weekly Newspaper Association, founder of the journalism program at the University of Western Ontario and

received an honorary doctor of laws degree from University of Western Ontario.

The painting of Shand Dam is by Matthew Kousal, who emigrated to Canada from Czechoslovakia in 1927 and eventually settled in Waterloo. He was a prolific painter of landscapes and also a mentor and teacher of another well-known local artist, Peter Etril Snyder.

The painting was returned by the family due to its large size and it will now hang at the GRCA Administration Centre.

GRAND RIVER CONSERVATION FOUNDATION

Grants awarded

Four community groups and 10 schools will receive Community Conservation Grants from the Grand River Conservation Foundation and the Grand River Conservation Authority.

Grants are awarded to qualified groups and to elementary schools that are undertaking conservation projects in Grand River watershed communities. Grants support environmental projects that are tangible and available for the use or benefit of the entire community. These grants fund part of the project, not usually the entire project.

The grants for \$500 are going to these community groups:

- **Arthur Trails Group**, for two information kiosks at each end of the Arthur River Trail in Wellington North
- **Pollination Guelph**, for a pollinator habitat on the grounds of Hospice Wellington in Guelph
- **Rare Charitable Research Reserve**, to establish honey bee hives to improve pollination and education at this property in Cambridge
- **Trout Unlimited Middle Grand Chapter**, to restore a reach of Hiller Creek in Plattsville

These schools will each receive \$300 for school yard naturalization projects:

- **Branlyn Eco-Club**, Brantford
- **Edna Staebler Public School**, Waterloo
- **Emily C. General Elementary School**, Ohswegen
- **Eramosa Public School**, Rockwood
- **Gateway Drive Public School**, Guelph
- **Holy Family School**, Paris
- **Jean Little School**, Guelph
- **Oneida Central School ECO Club**, Caledonia
- **River Heights School**, Caledonia
- **St. John Catholic School Parent Council**, Arthur.

The grants are given out by the foundation each year, although the number and amount varies.



Learn to relax with nature and make friends with your phobias. Check www.grandriver.ca/events for information about the GRCA's visitor services programs.

New historic cairn

A new historic cairn installed at Brown's Point in Haldimand County commemorates this point of land that juts out into the Grand River at the mouth of the Feeder Canal close to Lake Erie.

Four plaques are on the cairn, and each one highlights a different aspect of the history of the area. The cairn will be dedicated on Aug. 29 at 2 p.m.

This project was undertaken by the County of Haldimand, the Port Maitland "On the Grand" Historical Association, and many supporters. The historical association raised funds to cover the cost of this project, and more than 60 paving stones will bear the names of the donors.

The cairn has four plaques, each telling a different story about the history of the area.

In 1815, a small detachment of the Royal Navy established the first naval base on Lake Erie at the mouth of the Grand River. Until 1834, members of the Royal Navy and their family were stationed at the Grand River Naval Depot. There may be a cemetery, but an archaeological assessment, completed in 2012, was unable to confirm the location of the cemetery.

In 1845, the Feeder Canal was extended from Stromness (once called "Broad Creek") to the nearby Port Maitland Lock, allowing ships to navigate from both the Welland Canal and Lake Erie to the upper Grand River.

Commercial fishing also took place in the area from the mid 1800s until the late 1950s.



New cairn at Brown's Point, Haldimand.

THE GRAND CALENDAR

Note: This calendar provides a selection of upcoming events. All events at the GRCA's conservation areas and nature centres are posted on www.grandriver.ca/events.

Stargazers 101 Aug. 28

For the past several years, the Kitchener-Waterloo Astronomy Club has put on a star party at Conestogo Lake Park, 7 p.m. to midnight. The club will set up telescopes at the beach parking lot and park visitors are invited to join the club for a night of stargazing.

Shade's Mills Bat Night Aug. 22

Join bat experts at Shade's Mills as they search for bats, which are in decline. Derek Morningstar will have mist nets out, so if the bats cooperate we will get the chance to see some up close and Derek will answer all your questions, 8 p.m. to 11 p.m.

Cairn dedication Aug. 29

The new cairn at Brown's Point in Haldimand County commemorates the history of this point of land, which juts out into the Grand River at the mouth of the Feeder Canal close to Lake Erie. 2 p.m.

Pinehurst Discovery Day -Sept. 13

Discover Pinehurst Lake Park at a free open house. There will be lots of fun activities for everyone — get up close and

personal with our critters, plant wildflowers, learn to geocache, bring home some nature crafts and more. Adventurous visitors won't want to miss the trail treasure hunt, free canoe rentals, checking out the fire truck and police cruiser, or catching a fish. Park admission and events are free. Food trucks of all kinds on site 10 a.m. to 4 p.m.

Youth Outdoors Day Sept. 13

Luther Marsh Wildlife Management Area, E. Luther Sideroad 21/22, Grand Valley

A fun-filled day of outdoor activities that is free to all youth ages 9 to 16. It is limited to the first 200 who register in advance. Register at www.youthoutdoorsday.com.

Grand River Spey Clave Oct. 3 & 4

Takes place at Brant Park this year and explores this style of fishing. Details available on www.grandriverspey.ca Takes place both days 8 a.m. to 5 p.m.

Price: Park admission and \$10 per day or \$15 for a weekend pass

Run for the Toad Oct. 3

Pinehurst Lake Conservation Area, 468 Pinehurst Rd., Ayr

The 25 and 50 km trail race is in its 13th year at Pinehurst. Runners and walkers representing many provinces and states participate in this event, which is Canada's biggest trail event. More Information: www.runforthetoad.com.

About Grand Actions:

This newsletter is produced bi-monthly by the Grand River Conservation Authority.

More information:

Current and back issues, as well as complete subscription information, is available online at www.grandriver.ca/GrandActions.

Submission deadlines:

The 15th of February, April, June, August, October and December. Submissions may be edited for length or style. Photos and event information is also welcome. We do our best to publish items, but we are not able to guarantee publication.

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TOWNSHIP OF WILMOT

BY-LAW NO. 2015-45

BEING A BY-LAW OF THE TOWNSHIP OF WILMOT TO ADOPT AMENDMENT NO. 8 TO THE TOWNSHIP OF WILMOT OFFICIAL PLAN.

WHEREAS Section 17 and 21 of the Planning Act, R.S.O. 1990, as amended, empowers the Township of Wilmot to adopt an Official Plan and to make Amendments thereto:

NOW THEREFORE the Council of the Corporation of the Township of Wilmot hereby enacts as follows:

1. That Amendment No. 8 to the Township of Wilmot Official Plan, consisting of the explanatory text and schedules, is hereby adopted.
2. That the Mayor and Clerk are hereby directed to execute the said Amendment No. 8 to the Township of Wilmot Official Plan on behalf of the Corporation and to affix thereto the Corporate Seal.
3. That the Clerk, is hereby authorized and directed to make application to the Council of the Regional Municipality of Waterloo for approval of Amendment No. 8 to the Township of Wilmot Official Plan.
4. That this By-law shall come into force and effect on the day of the final passing thereof.

ENACTED and **PASSED** this 31st day of August, 2015.

Mayor

Clerk

TOWNSHIP OF WILMOT

BY-LAW NO. 2015-46

BY-LAW TO FURTHER AMEND BY-LAW NO. 83-38 OF THE TOWNSHIP OF WILMOT BEING A ZONING BY-LAW FOR THE SAID TOWNSHIP OF WILMOT.

WHEREAS The Corporation of the Township of Wilmot deems it desirable to further amend By-law No. 83-38, being a Zoning By-law for the said Township of Wilmot.

NOW THEREFORE THE MUNICIPAL COUNCIL OF THE CORPORATION OF THE TOWNSHIP OF WILMOT ENACTS AS FOLLOWS:

1. That the lands described on Schedule "A" and illustrated on Schedule "B" attached to and forming part of this by-law, are hereby removed from Zone 1 (Agricultural) and placed within Zone 4a (Residential-Row).
2. Notwithstanding the provisions of By-law 83-38, as amended, the following regulations shall apply to the lands zoned Zone 4a, as illustrated on Schedule "B" attached to and forming part of this By-law:
 - a) the maximum number of dwelling units shall be twelve (12);
 - b) the minimum side yard setback shall be 2.5m;
 - c) three (3) off-street parking spaces shall be provided per dwelling unit.
3. Notwithstanding the provisions of this By-law, all lands shall be subject to the (H) symbol indicating that development cannot proceed until such time as a Record of Site Condition is acknowledged by the Ministry of the Environment.
4. Except as amended by the preceding regulations, the lands described on Schedule "A" attached to and forming part of this by-law and shown on Schedule "B" attached to and forming part of this by-law, shall be subject to all other applicable regulations as set down in By-law No. 83-38, as amended.
5. This by-law shall come into effect on the final passing thereof by the Council of The Corporation of the Township of Wilmot subject to compliance with the provisions of The Planning Act, R.S.O., 1990 and amendments thereto.

READ a first and second time on the 31st day of **August, 2015**.

READ a third time and finally passed in Open Council on the 31st day of **August, 2015**.

MAYOR

CLERK

SCHEDULE "A"

ALL AND SINGULAR that certain parcel or tract of land and premises situate, lying and being in the Township of Wilmot, in the Regional Municipality of Waterloo and Province of Ontario being composed of Part of Lot 14, Concession North of Snyder’s Road in the said Township of Wilmot.

This is Schedule "A" to By-law No. **2015-46**.

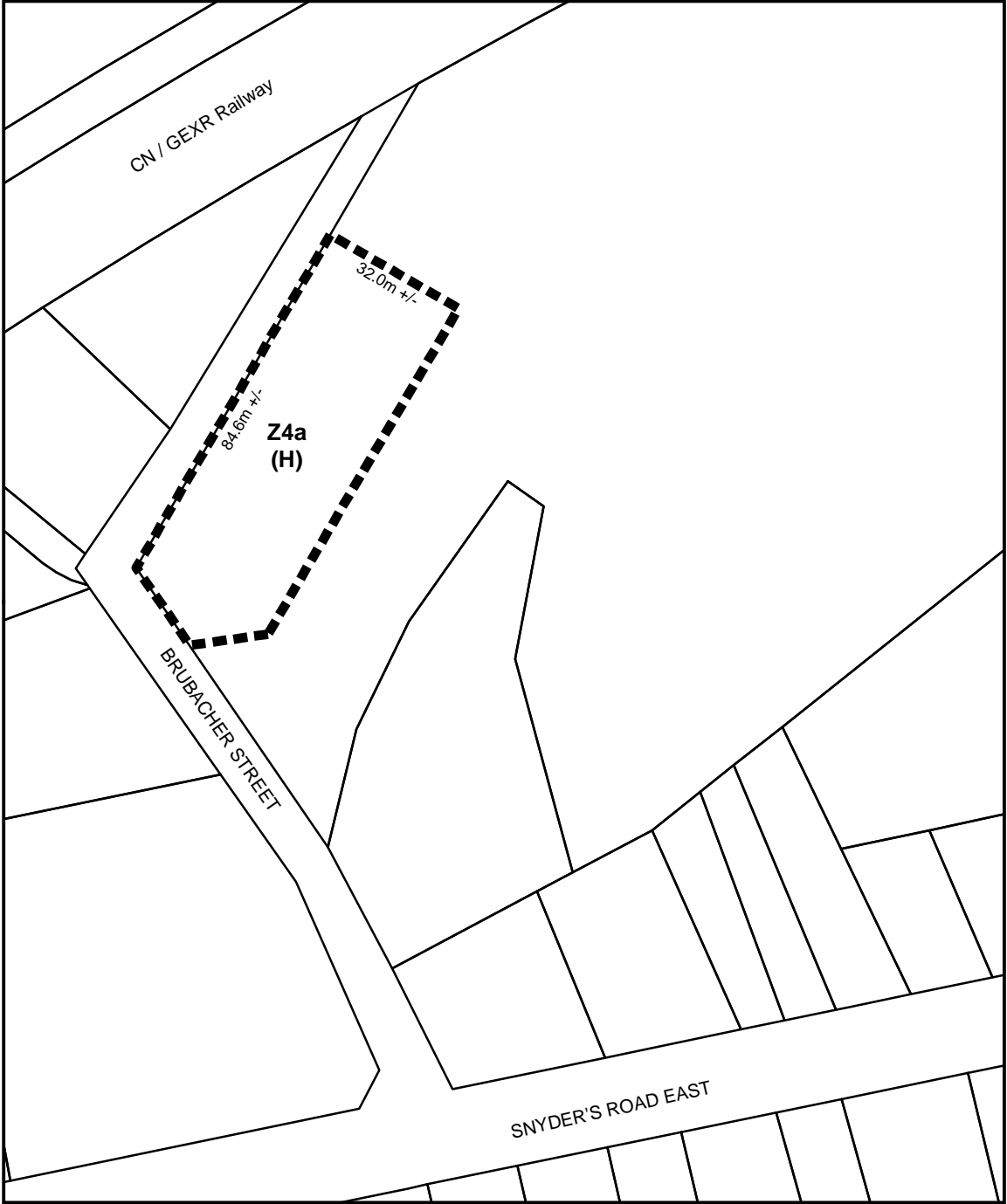
PASSED this 31st day of **August**, 2015.

MAYOR

CLERK

SCHEDULE "B"
PART OF LOT 14
CONCESSION NORTH OF SNYDER'S ROAD
TOWNSHIP OF WILMOT

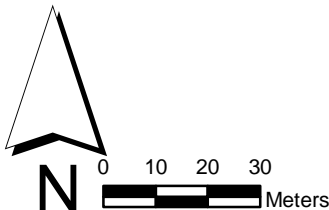
SUBJECT LANDS OUTLINED THUS: - - - - -



THIS IS SCHEDULE "B" TO BY-LAW NO. 2015-46
PASSED THIS 31ST DAY OF AUGUST, 2015.

MAYOR

CLERK



TOWNSHIP OF WILMOT

BY-LAW NO. 2015-47

BY-LAW TO FURTHER AMEND BY-LAW NO. 83-38 OF THE TOWNSHIP OF WILMOT BEING A ZONING BY-LAW FOR THE SAID TOWNSHIP OF WILMOT.

WHEREAS The Corporation of the Township of Wilmot deems it desirable to further amend By-law No. 83-38, being a Zoning By-law for the said Township of Wilmot.

NOW THEREFORE THE MUNICIPAL COUNCIL OF THE CORPORATION OF THE TOWNSHIP OF WILMOT ENACTS AS FOLLOWS:

1. That the lands described on Schedule "A" and illustrated on Schedule "B" attached to and forming part of this by-law, are hereby removed from Zone 1 (Agricultural) and Zone 8 (Commercial) and placed within Zone 4a (Residential-Row) and Zone 11 (Open Space).
2. Notwithstanding the provisions of By-law 83-38, as amended, the following regulations shall apply to the lands zoned Zone 4a, as illustrated on Schedule "B" attached to and forming part of this By-law:
 - a) the maximum number of dwelling units shall be twelve (20);
 - b) the maximum height of a dwelling unit shall be one storey
 - c) a "Residential Building – Semi-Detached" shall be permitted
 - b) the minimum front yard setback shall be 5.0m;
 - c) three (3) off-street parking spaces shall be provided per dwelling unit.
3. Notwithstanding the provisions of this By-law, the lands zoned Zone 4a, as illustrated on Schedule "B" attached to and forming part of this By-law, shall be subject to the (H) symbol indicating that development cannot proceed until such time as a Record of Site Condition is acknowledged by the Ministry of the Environment.
4. Except as amended by the preceding regulations, the lands described on Schedule "A" attached to and forming part of this by-law and shown on Schedule "B" attached to and forming part of this by-law, shall be subject to all other applicable regulations as set down in By-law No. 83-38, as amended.

5. This by-law shall come into effect on the final passing thereof by the Council of The Corporation of the Township of Wilmot subject to compliance with the provisions of The Planning Act, R.S.O., 1990 and amendments thereto.

READ a first and second time on the 31st day of **August, 2015**.

READ a third time and finally passed in Open Council on the 31st day of **August, 2015**.

MAYOR

CLERK

SCHEDULE "A"

ALL AND SINGULAR that certain parcel or tract of land and premises situate, lying and being in the Township of Wilmot, in the Regional Municipality of Waterloo and Province of Ontario being composed of Part of Lot 13 and 14, Concession North of Snyder's Road in the said Township of Wilmot.

This is Schedule "A" to By-law No. **2015-47**.

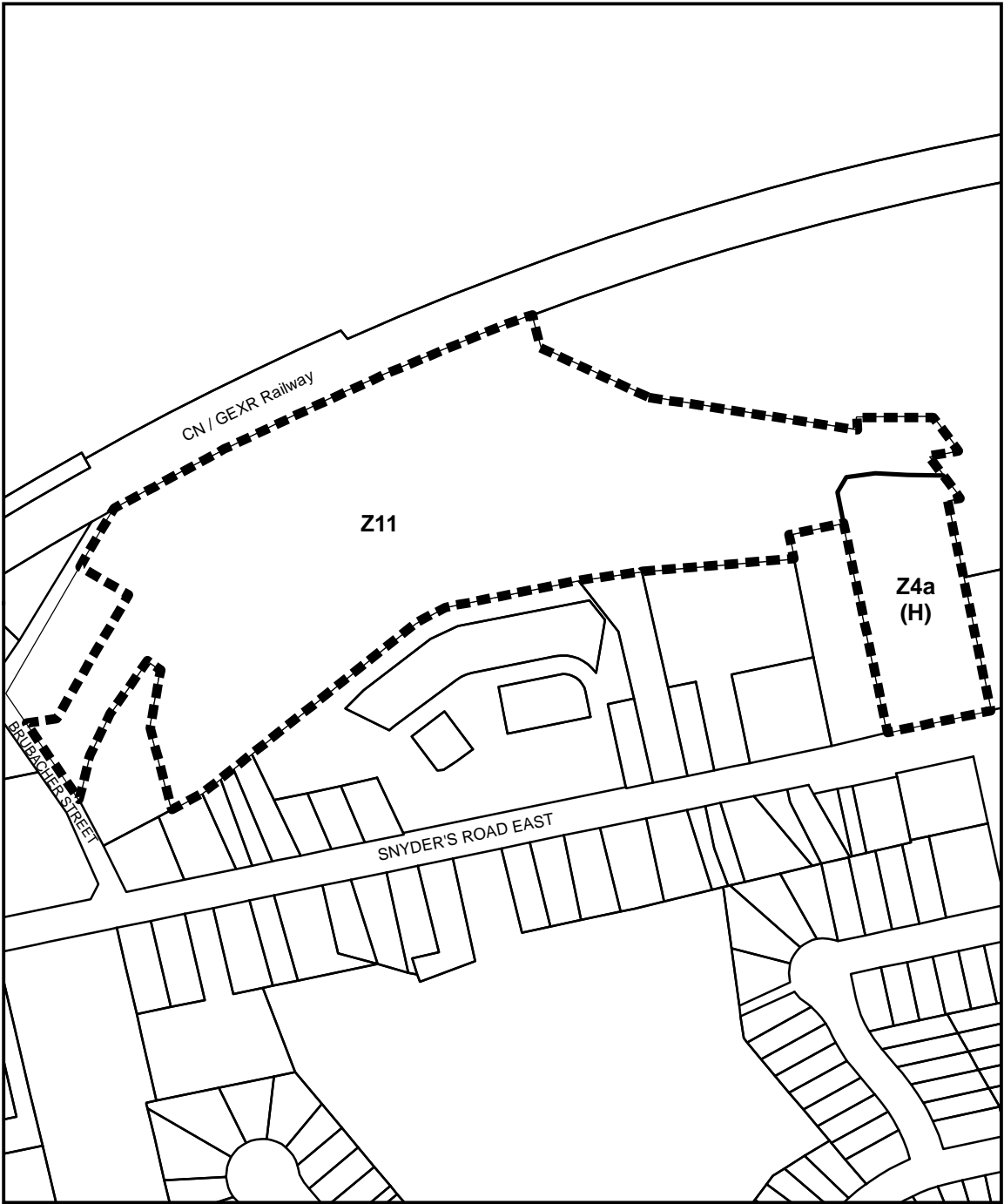
PASSED this 31st day of **August, 2015**.

MAYOR

CLERK

SCHEDULE "B"
PART OF LOT 13 and 14
CONCESSION NORTH OF SNYDER'S ROAD
TOWNSHIP OF WILMOT

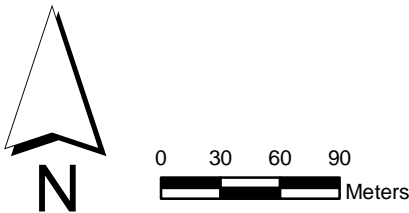
SUBJECT LANDS OUTLINED THUS: - - - - -



THIS IS SCHEDULE "B" TO BY-LAW NO. 2015-47
PASSED THIS 31ST DAY OF AUGUST, 2015.

MAYOR

CLERK



TOWNSHIP OF WILMOT

BY-LAW NO. 2015-48

BY-LAW TO FURTHER AMEND BY-LAW NO. 83-38 OF THE TOWNSHIP OF WILMOT BEING A ZONING BY-LAW FOR THE SAID TOWNSHIP OF WILMOT.

WHEREAS The Corporation of the Township of Wilmot deems it desirable to further amend By-law No. 83-38, being a Zoning By-law for the said Township of Wilmot.

NOW THEREFORE THE MUNICIPAL COUNCIL OF THE CORPORATION OF THE TOWNSHIP OF WILMOT ENACTS AS FOLLOWS:

1. That the lands described on Schedule "A" and illustrated on Schedule "B" attached to and forming part of this by-law, are hereby removed from Zone 1 (Agricultural) and placed within Zone 10a (Light Industrial).
2. Notwithstanding the provisions of By-law 83-38, as amended, the following uses shall be permitted on the lands described on Schedule "A", and illustrated on Schedule "B" attached to and forming part of this By-law in addition to the uses permitted, within the zone in which the property is situate:
 - a) a commercial establishment where services are rendered,
 - b) light fabricating, assembly and manufacturing where there is low probability of fugitive emissions,
 - c) contractor, building supplies dealer,
 - d) offices,
 - e) clinic or laboratory,
 - f) gym or dance studio,
 - g) accessory uses including:
 - i. gas bar
 - ii. convenience retail accessory to a gas bar
 - iii. one take-out restaurant accessory to a gas bar, not including a drive-thru
3. Notwithstanding the provisions of By-law 83-38, as amended, outdoor storage shall be prohibited on the lands described on Schedule "A", and illustrated on Schedule "B" attached to and forming part of this By-law.

4. Except as amended by the preceding regulations, the lands described on Schedule "A" attached to and forming part of this by-law and shown on Schedule "B" attached to and forming part of this by-law, shall be subject to all other applicable regulations as set down in By-law No. 83-38, as amended.
5. This by-law shall come into effect on the final passing thereof by the Council of The Corporation of the Township of Wilmot subject to compliance with the provisions of The Planning Act, R.S.O., 1990 and amendments thereto.

READ a first and second time on the 31st day of **August, 2015**.

READ a third time and finally passed in Open Council on the 31st day of **August, 2015**.

MAYOR

CLERK

SCHEDULE "A"

ALL AND SINGULAR that certain parcel or tract of land and premises situate, lying and being in the Township of Wilmot, in the Regional Municipality of Waterloo and Province of Ontario being composed of Part of Lot 15, Concession South of Snyder’s Road in the said Township of Wilmot.

This is Schedule "A" to By-law No. **2015-48**.

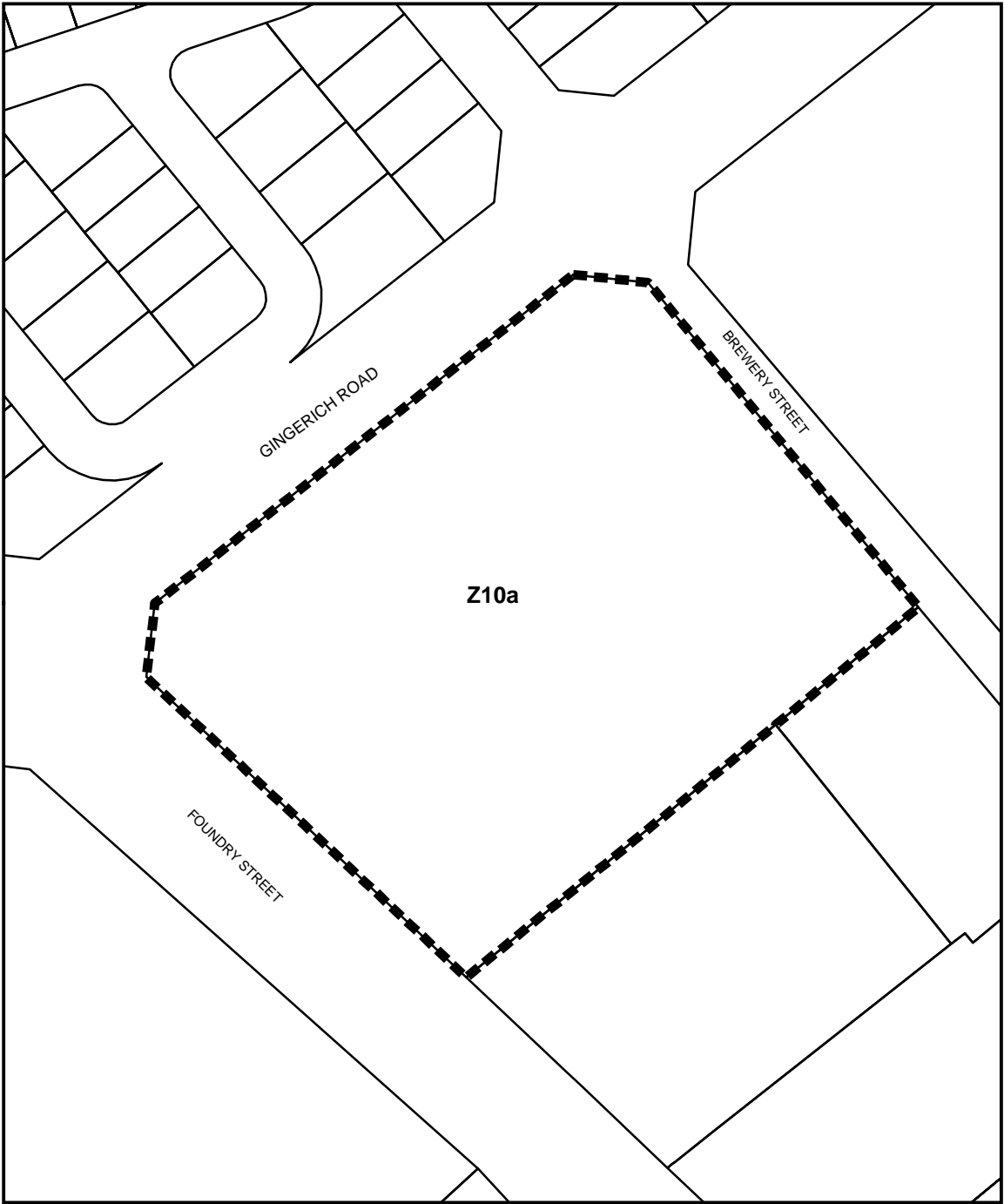
PASSED this 31st day of **August, 2015**.

MAYOR

CLERK

SCHEDULE "B"
PART OF LOT 15
CONCESSION SOUTH OF SNYDER'S ROAD
TOWNSHIP OF WILMOT

SUBJECT LANDS OUTLINED THUS: - - - - -



THIS IS SCHEDULE "B" TO BY-LAW NO. 2015-48
PASSED THIS 31ST DAY OF AUGUST, 2015.

MAYOR

CLERK

