



Notice of Meeting
Meeting of the Membership #6-2023

Date: Wednesday May 17, 2023
Time: 7:00 pm – 8:00 pm
Location: Meeting will be held at the Admin. Centre, 1093 Marietta Street, Wroxeter.

Agenda

1. Welcome by the Chair: Matt Duncan
2. Declaration of Pecuniary Interest
3. Approval of the Minutes: Meeting #5-2023 held on April 20, 2023.
4. Business Out of the Minutes:
 - a) Proposed Schedule for Information Sessions: Report #30-2023
5. Presentation to Dave Turton, Retiring Member
6. Business Requiring Decision and or Direction:
 - a) McGuffin Gully Engineering Assessment: Report #31-2023
 - b) Leasing of Galbraith Conservation Area-Municipality of North Perth: Report #32-2023
7. Closed Session-Property Matter
8. Chair and Member Reports
9. Consent Agenda:
 - a) Revenue-Expenditure Reports for April: Report #33-2023
10. Adjournment: Next meeting: June 21, 2023, at 7:00 pm.

Membership Meeting #5-2023

April 19, 2023

Members Present: Alison Lobb, Andrew Fournier, Ed McGugan,
Alvin McLellan, Matt Duncan, Anita van Hittersum, Evan Hickey,
Sharen Zinn, Ed Podniewicz

Members Absent: Megan Gibson, Myles Murdock

Staff Present: Phil Beard, General Manager-Secretary-Treasurer
Stewart Lockie, Conservation Areas Coordinator
Patrick Huber-Kidby, Planning/Regs. Supervisor
Jeff Winzenried, Flood Forecasting Supervisor
Jayne Thompson, Communications and GIS-IT Coordinator
Donna Clarkson, Maitland Source Protection

Others Present: Cory Bilyea, Wingham Advance Times

1. Call to Order

Chair Duncan welcomed everyone, called the meeting to order at 7:00 p.m. and reviewed the meeting objectives.

2. Declaration of Pecuniary Interest

There were no pecuniary interests at this time.

3. Minutes

The minutes from the Maitland Valley Conservation Authority (MVCA) General Membership Meeting #4-2023 held on March 15, 2023 have been circulated for information and approval. The Members agreed with the minutes and the following motion was made.

Motion FA #34-23

Moved by: Alvin McLellan

Seconded by: Alison Lobb

THAT the minutes from the General Membership Meeting #4-2023 held on March 15, 2023 be approved.
(carried)

4. Business out of the Minutes:

- a) North Perth Flood Plain Mapping Project-RFP Results: Report #20-2023

Report #20-2023 was presented to the members and the following motion was made:

Motion FA #35-23

Moved by: Alvin McLellan

Seconded by: Alison Lobb

THAT the Members award the North Perth Floodplain Mapping Update project to Aquafor Beech Ltd. and enter into an agreement as per the proposal dated March 23, 2023.
(carried)

5. Business Requiring Decision and or Direction:

- a) Shoreline Hazard Mapping Review of Public Consultation: Report #21-2023

Report #21-2023 was presented and the following motion was made;

Motion FA #36-23

Moved by: Evan Hickey

Seconded by: Anita van Hittersum

THAT fulfilment of MVCA's mandatory notice and public engagement requirements be recognized as outlined in Member's Report # 21-2023, but that outreach work continue and approval of the updated mapping be postponed until a future meeting.
(carried)

- b) Shoreline Mapping Project Extension: Report #22-2023

Report #22-23 was presented and the following motion was made:

Motion FA #37-23

Moved by: Evan Hickey

Seconded by: Ed McGugan

THAT MVCA's Shoreline Hazard Mapping workplan expansion is approved as outlined in Member's Report # 22-2023 & the attached workplan summary provided by Zuzek Inc.
(carried)

c) Projects/Activities for Members Information: Report #23-2023

Report #23-2023 was presented and the following motion was made:

Motion FA #38-23

Moved by: Alison Lobb

Seconded by: Evan Hickey

THAT the Members have a shoreline hazards tour as well as a tour of Wawanosh Valley Conservation Area;

AND THAT the Members have information on indigenous consultation and on soil health.
(carried)

d) Government Relations Strategy: Municipalities-MPPs-MPs: Report #24-2023

Report #24-2023 was presented and the following motion was made:

Motion FA #39-23

Moved by: Alison Lobb

Seconded by: Evan Hickey

THAT the Chair and Vice Chairs meet with MP's John Nater and Ben Lobb;

AND THAT the Chair and Vice Chairs follow up with MPP's Lisa Thompson and Matthew Rae;

AND THAT MVCA send out a newsletter to all member municipalities in June;

AND FURTHER THAT presentations be made to 8 member municipalities in 2023.
(carried)

e) Policy Options for On-Line Viewing and Recording of Meetings: Report #25-2023

Report #25-2023 was presented and the following motion was developed at the meeting:

Motion FA #40-23

Moved by: Alison Lobb

Seconded by: Ed Podniewicz

THAT MVCA will live stream member meetings but will not post recordings;

AND THAT delegations must appear in person unless there are mitigating circumstances that prevent them from attending.

(carried)

f) Awarding Contract for Renovations to Workshop: Report #26-2023

Report #26-2023 was presented and the following motion was made:

Motion FA #41-23

Moved by: Alison Lobb

Seconded by: Alvin McLellan

THAT the Members approve the tender price of \$ 115,500.00 (plus HST) submitted by DOMM Construction Ltd. for the design and build services for renovations to existing 20'x88' storage shed.

(carried)

g) MCF Annual Meeting and Funding for 2023: Report #27-2023

Report #27-2023 was presented and the following motion was made:

Motion FA #42-23

Moved by: Anita van Hittersum

Seconded by: Alvin McLellan

THAT MVCA send a letter of thanks to the MCF Board for their donation and support.

(carried)

6. Chair and Members Reports:

The Chair reported that he attended the Conservation Ontario meeting in Toronto on April 3, 2023.

7. Consent Agenda:

The following items were circulated to the Members for their information.

a) Agreements Signed-Funding Approved: Report #28-2023

b) Revenue-Expenditure Reports for March: Report #29-2023

The following motion was made:

Motion FA #43-23

Moved by: Alison Lobb

Seconded by: Ed McGugan

THAT Report #28-2023 and Report #29-2023 along with their respective recommended motions as outlined in the Consent Agenda be approved.

(carried)

8. Adjournment: Next meeting: May 17, 2023, at 7:00 pm.

Motion FA #44-23

Moved by: Anita van Hittersum

Seconded by: Evan Hickey

THAT the Members Meeting be adjourned.

Matt Duncan
Chair

Phil Beard
General Manager / Secretary-Treasurer

Members Report #30-2023

To: Members, MVCA
From: Phil Beard, General Manager Secretary Treasurer;
Date: May 3, 2023

Subject: Proposed Schedule for Members Information Sessions & Tours

Purpose:

To outline the proposed schedule for the Members information sessions and tours for 2023

Background:

At the April 20th Members meeting the Members identified the topics that they would like to learn more information about in 2023.

Proposed Schedule:

1. Indigenous/First Nations Consultation: Information session to be held at June 21 Members Meeting
2. Shoreline Hazards and Coastal Resiliency Projects: Tour to be held on Wednesday, August 16th starting at 7:00pm. Meeting location to be determined.
3. Soil Health: Information Session to be held as part of the September 20th Members Meeting.
4. Flood Plain naturalization Project: June 7th. Tour being organized for the Maitland Conservation Foundation. Members may also attend. Tour will start at 10:00am and finish at 2:00pm. Will include stops at 2 other projects including the Wawanosh Valley Conservation Area.
5. Wawanosh Valley Conservation Area: Tour to be held on Wednesday, July 19, 2023 starting at 7:00pm.

Recommendation:

That the proposed schedule for information sessions and tours be adopted.

Members Report #31-2023

To: Members, MVCA
From: Phil Beard, GM ST; Jeff Winzenried, Flood Forecasting Supervisor
Date: May 17, 2023
Subject: McGuffin Gully Erosion Control Structure Assessment

Purpose:

Present the results of the McGuffin Gully Asset Condition Assessment as carried out by Headway Engineering (Report #10-2023) and seek direction from the Members.

Overview:

Headway Engineering carried out an asset condition assessment of the McGuffin Gully erosion control infrastructure. Major components of the study included:

- Detailed review of background and historical documents including: original construction drawings, photos and records of correspondence.
- Chronicle of the initial construction and all major repairs and remediation works leading up to its current as-built condition.
- Site inspection to assess for any erosion control issues or infrastructure degradation, including a CCTV inspection of the pipe drainage system.
- Review of the hydrological capacity and theoretical limits of the gully drainage system.
- Overview of potential use of the Drainage Act as a mechanism for constructing and protecting any future drainage works.

Results:

- Inspections revealed the gully drainage system to be functioning well and to be generally in a good state of repair – no remediation works were recommended.
- Conditions within the drainage basin were not found to have changed to the extent where the design would be considered outdated or insufficient.
- Hydrologic modelling has conceptionally shown that the current maximum pipe capacity of **2.3m³/s** exceeds that required for the 1:100-yr rainfall event (**1.30m³/s**). It is further sufficient to accommodate the 1:100-yr storm event with the added pressure of additional urbanization within the watershed (**1.74m³/s**).

- The Drainage Act was recommended for consideration as a mechanism for future design modifications as it provides a procedure for the construction, improvement, maintenance and management of drainage works.

Staff have recognized that a major shortfall of the McGuffin Gully stabilization pilot project was an absence of any means to fund remediation works. Significant repairs or reconstruction have the potential to be cost-prohibitive. Staff have identified the following options to ensure that the McGuffin Gully erosion control infrastructure can secure funding for future maintenance/repairs (with associated benefits):

- Pursue petition to incorporate the McGuffin Gully into a Municipal Drain via the Drainage Act. Benefits include:
 - Responsibility for repairs is removed from MVCA and transitioned to the Municipality and benefiting landowners
 - An assured procedure for the construction, improvement, maintenance and management of the McGuffin Gully for any future conditions
- Seek a formalized cost-sharing agreement with the current landowners. Benefits include:
 - Continued assurance that an agency (MVCA) is looking after routine inspections of the McGuffin Gully erosion control infrastructure (status quo)
 - Legal protection
 - Cost-sharing with landowners

Recommendation:

To be determined at the meeting.

April 11, 2023

Jeff Winzenried
Maitland Valley Conservation Authority
Flood Forecasting Supervisor
jwinzenried@mvca.on.ca

Dear Jeff:

Re: McGuffin Gully
Asset Condition Assessment
Maitland Valley Conservation Authority
Our Reference No. MVCA-001

1.0 INTRODUCTION AND LOCATION

The Maitland Valley Conservation Authority selected Headway Engineering to investigate the condition of the McGuffin Gully, as well as provide recommendations for the management of possible future design changes.

The McGuffin Gully is located on Lot 27, Concession 1, in the Municipality of Central Huron, Goderich Ward, and services parts of Lots 26 and 27 in Concessions 1 to 3. The Drainage Area comprises of approximately 55 hectares, and land uses within the watershed include agriculture and roads.

The attached Plans; Drawing Numbers 1 to 2, show and describe the location and a general overview of the infrastructure in place, as well as the lands within the watershed.

2.0 PROJECT AUTHORIZATION

Authority to prepare this report was obtained by email correspondence dated February 15th, 2023, indicating that the Chair and Vice Chair of the MVCA board approved Headway Engineering to prepare an Asset Condition Assessment.

3.0 HISTORY

The following information is based on a site inspection, and data shared by the MVCA, including correspondence records, construction photos, and other documentation.

The McGuffin Gully erosion control infrastructure was originally constructed using the provisions contained in a report prepared by B. M. Ross and Associates Limited dated March 31, 1976. This report provided for the following:

- Supply and installation of approximately 364 lineal feet (110m) of 900mm diameter corrugated steel pipe, designed for a 1:5-year rainfall event,
- Construction of a concrete inlet structure with headwall, sidewalls, and bottom apron,
- Placement of a rip-rap outlet structure,
- Partial filling of the ravine, and the placement of topsoil and seed,



- The raising of approximately 500 lineal feet (150m) of road.

According to documentation, the project was constructed in 1978. For several years following construction, the fill material placed in the ravine was experiencing continuous adjustment. Seepage into the soil structure along Summerhaven Street was also confirmed.

Repair and remediation work took place several times between 1979 and 1985, including the reinstallation of a portion of the 900mm diameter corrugated steel pipe. Additional design modifications included a reconfigured outlet structure by installing a 45-degree bend and the construction of a plunge pool, and the addition of a drainage swale along the top of the ravine slope on the north side. The drainage swale outlets into a ditch inlet catchbasin, which then conveys flow via a 300mm diameter pipe to an offset catchbasin located in approximately the centre of the ravine. The offset catchbasin outlets into the 900mm diameter corrugated steel pipe.

4.0 SITE INSPECTIONS

4.1 Initial Site Inspection

An initial site inspection was held on March 1, 2023, to assess the site for obvious erosion control issues, and to determine the practicality of a Closed-Circuit Television (CCTV) video inspection. Persons in attendance were:

Stephen Brickman, P.Eng.	Headway Engineering
Jeff Winzenried	MVCA
Stephen Jackson, P.Eng.	B.M. Ross (on behalf of the MVCA)

4.2 CCTV Inspection

At the previously noted site inspection, it was determined that a CCTV video inspection was practical. The CCTV inspection was completed on March 10, 2023 by CT Environmental, with Headway Engineering present as well.

5.0 FINDINGS

Based on the information collected during field investigations, and review of documentation, the following summarizes Headway Engineering's findings:

5.1 Watershed Condition (Hydrology):

- The watershed was established through the analysis of tile drainage maps, previous engineers' reports for surrounding systems, field investigations, surveys, and data analysis of the Southwestern Ontario Orthophotographic Project (SWOOP). The drainage area comprises of approximately 55 hectares.
- Land uses within the watershed are as follows:
 - Agricultural: 52.5 hectares (96%)
 - Wooded: 0.7 hectares (1%)
 - Roads: 1.8 hectares (3%)



- Based on aerial photography, and previous documentation, significant portions of the agricultural watershed area, especially east of Highway 21, is tile drained out of the McGuffin Gully watershed.
- The Ontario Ministry of Agriculture, Food and Rural Affairs' Agricultural Information Atlas describes the soil types within the watershed and along the route of the drain as follows:
 - Clay Loam (approximately 30%)
 - Sandy Loam (approximately 70%).

5.2 Existing Gully Drainage System:

- The existing drainage system consists of 900mm diameter corrugated steel pipe and commences from the east side of Summerhaven Street in Lot 27, Concession 1 (Goderich Ward) and extends downstream to its outlet near the shore of Lake Huron. Upon CCTV inspection, the length of the pipe is approximately 118m.
- The pipe has three connections; the first and second connections are located near the top of the system and provide for road subgrade drainage. The third connection is located approximately 57m downstream from the inlet (approximately the midpoint of the pipe) and is the catchbasin lead for an offset ditch inlet catchbasin (DICB). The offset DICB also serves as the outlet for a DICB located at the top of the bank to the north.
- The condition of the gully drainage system, including the existing 900mm diameter pipe, inlet and outlet structures, catchbasins (and associated catchbasin leads) can be generalized as being in a good state of repair, with a few features in fair condition. The following points describe the condition of the drainage system in more detail.
 - The only minor defect noted in the CCTV inspection is a 10% deformation near the outlet.
 - The pipe has minimal corrosion.
 - Pipe joints had minimal misalignment.
 - There is no evidence of backfall. This would be made apparent by a standing pool of water in the pipe.
 - The outlet structure consisted of poured concrete, and rock riprap. Aside from some scour, the outlet structure appeared to be in a fair state of repair.
 - No erosion was noted throughout the gully at the time of the inspection.
- The capacity of the pipe is noted in the B. M. Ross report, dated March 31, 1976, to be equal to a 1:5-year rainfall event. Given the relatively small and minimally urbanized watershed area, the 900mm diameter CSP on very steep grade has a much higher design standard than noted in the 1976 report.
 - The theoretical capacity of the 900mm diameter CSP is 2.3m³/s. This capacity is calculated as the lesser of the following criteria. (1) the pipe flowing full on the controlling grade (i.e. the flattest grade) in the gully – approximately 10%, or (2) the headwater rising to just below the roadway elevation (i.e. inlet control). In this case, criteria number 2 is the lesser capacity, and thus the 900mm diameter pipe is controlled by its inlet configuration, and not by its barrel capacity.



- To assess the extent of safety factor applied to the gully drainage system, Headway Engineering constructed hydrologic models of the watershed area for rainfall events ranging from the 1:2-year to the 1:100-year rainfall events. The following table of expected peak flows generated by the watershed at the inlet structure of the 900mm diameter CSP is provided below. Note that the hydrologic modelling is completed using standard engineering practices for a conceptual study of this nature. The modelling has not been calibrated to observed data.

Modelling Results of Peak Flow Rate at Pipe Inlet (m ³ /s] (Pipe Capacity: 2.3m ³ /s)		
Rainfall Event	Existing Condition	Future Condition
1:2-Year	0.37	0.57
1:5-Year	0.58	0.85
1:10-Year	0.74	1.06
1:25-Year	0.94	1.31
1:50-Year	1.12	1.53
1:100-Year	1.30	1.74

- The maximum pipe capacity of 2.3m³/s exceeds the required capacity for the 1:100-year rainfall event, as predicted by the conceptual model.
- The Future Condition noted in the above table assumes urbanization on the east side of Summerhaven Street without any stormwater management (SWM) controls. It is not known if a development of this nature is within a reasonable planning horizon, nonetheless, the impacts of additional urbanization within the watershed (and without SWM) would result in increased peak flows at the pipe inlet of the gully.

5.3 Other Comments

- The McGuffin Gully infrastructure is functioning very well.
- Conditions within the watershed and nearby the gully have not changed to the extent where the design of the erosion control infrastructure is outdated or insufficient.
- Conditions for regular CCTV inspections are ideal and regular inspections are practical.

6.0 RECOMMENDATIONS

Headway Engineering recommends the following:

- No remediation works take place at this time.
- CCTV inspections take place at regular intervals and the results of the inspections are documented and compared to measure general aging and any change in condition. It is recommended that the next CCTV inspection be conducted in approximately two years unless obvious signs of deficiency are observed.
- The built-in safety factor in pipe capacity in the gully is sufficient to accommodate future urbanization on the east side of Summerhaven Street. Note that this comment is limited to pipe capacity, and not necessarily pipe elevation (or depth).
- Future developments within the watershed be subject to SWM requirements/guidelines.



5. With respect to climate change, it is expected that the built-in safety factor offers the necessary resiliency to mitigate the impacts of future climate change, where a 1:5 year event design standard (minimum) can be maintained.
6. Should conditions within the watershed or nearby the gully change to the extent where design modifications are required in the future, it is recommended that the Landowners consider the application of the Drainage Act as a mechanism to construct and manage the system as necessary. See Heading No. 7 Drainage Act for additional information.

7.0 DRAINAGE ACT

Given that the McGuffin Gully requires a constructed drainage works (drainage infrastructure) located on private lands, and the contributing watershed spans many private properties, the Drainage Act (the Act) should be considered as a mechanism for future design modifications. The Act, which is Landowner initiated, provides a procedure for the construction, improvement, maintenance and management of a drainage works. More specifically, the Act typically produces the following outcomes:

- The legal framework for the construction of a drainage works.
- An impartial and engineered solution.
- Landowner and agency participation.
- Landowner compensation for damages occurring during construction, and use of land for a drainage works.
- Establishes a Drainage Act Right-of-Way over the drainage works for future maintenance.
- Recognition of the liabilities of lands and roads within a watershed which artificially cause increased flows.
- Recognition of potential increases to market value, productivity, or safety of benefiting lands and roads.
- Sharing of proper planning information prior to committing to construction including:
 - Design information including survey data, engineered drawings, and proposed construction details
 - Environmental requirements and expectations
 - Cost Estimates and Cost Sharing proposals.
- An Engineering Report including the above noted requirements, as well as maintenance provisions and future management requirements.
- Landowner (and agency) appeal opportunities on various facets of the proposed drainage works including:
 - Design modifications
 - Cost sharing challenges
 - Legal or procedural challenges.
- **Most importantly, the Act produces a constructed drainage works which provides a legal outlet to benefiting properties, that is protected and managed under Municipal By-Law.**



- Subsequent to construction, the Act provides mechanisms for maintenance and repair, design modifications, and possible abandonment if future conditions permit.

As noted above, the Act is Landowner initiated, and depends on the validity of a Drainage Act petition. Section 4(1) of the Act sets out the criteria for a valid petition, which is summarized below:

- a) Signatures representing the majority in number of the owners in the area requiring drainage.
- b) Signatures representing the owner(s) of lands in the area requiring drainage representing at least 60 percent of the hectareage in the area requiring drainage
- c) Section 4(1)(c) is not applicable
- d) Section 4(1)(d) is not applicable

It is very important to note that only one of the above criteria be met to constitute a valid Drainage Act petition.

A significant concept in determining the validity of a Drainage Act petition is the 'Area Requiring Drainage'. The area requiring drainage is not the same as the watershed area, or the benefitting area. Although the Drainage Act does not provide a definition of the area requiring drainage, it does note in Section 9(2), that **the area requiring drainage shall be determined by the engineer appointed to investigate the petition**. To reiterate, the area requiring drainage is not determined by Municipal Council or Staff, Landowners, etc., it can only be determined by the engineer appointed to investigate the petition. Likewise, it is very difficult for Headway Engineering to predict what would constitute a valid petition in the future, as the area requiring drainage may vary based on the circumstances at the time a petition is filed, and which engineer is appointed to investigate the petition.

That said, based on experience, the following scenarios could result in a valid petition:

- One entry of signatures representing the agricultural property east of Summerhaven Street. This may be the case if the existing inlet structure is not of sufficient depth for the landowner to adequately drain the property.
- One entry of signatures representing Summerhaven Street. This may be the case if design modifications are needed by the road (eg. realignment of the road toward the east).
- Two entries of signatures representing the properties with gully infrastructure present (one entry for the north property, one entry for the south).
- One entry of signatures representing one of the properties north or south of the gully. This scenario would likely only validate the construction of a branch type outlet extending upstream to the petitioning property, similar to the catchbasin at the top of the gully on the north property.

8.0 CONCLUSIONS

The McGuffin Gully Erosion Control infrastructure is generally in a good state of repair, with some features in fair condition. The system is of adequate capacity and depth to provide erosion control, flood mitigation and general flow conveyance for the surrounding lands for the 1:5-year design standard it was originally designed to accommodate. Based on conceptual modelling, the drainage system can theoretically accommodate peak flows from the 1:100-year rainfall event.

Maintenance, repair, and modifications to the design are not required at this time. However, it is noted that due to the topographical setting (i.e. gully), construction activities are typically challenging. With this in mind, it is recommended that regular CCTV inspections be completed to document the change in condition in the system and allow for adequate planning opportunities when maintenance or design



modifications are needed in the future. CCTV video inspections should be analyzed for the following deficiencies and compared to previous CCTV inspection reports to better document changes in the condition of the pipe over time:

- Pipe deformation and cracking
- Pipe corrosion
- Misaligned pipe joints
- Off grade sections of pipe (identified by standing water)
- Blockages and foreign objects
- Sedimentation
- Root penetration
- Changes in pipe connection conditions
- Any other deficiency that may impact the function or lifespan of the infrastructure

Furthermore, it is recommended that the Drainage Act be considered as a mechanism for constructing and protecting any future drainage works in the McGuffin Gully.

If you have any questions or seek clarification on any of the above material, please do not hesitate to contact our office.

Yours truly,

Stephen Brickman, P.Eng.
Project Manager/Engineer
HEADWAY ENGINEERING

SB/





CT Environmental Ltd.
73595 Goshen Line
Zurich, Ontario N0M 2T0
Ph: 519-236-7401

Surveyors name Matt Howitt	Certificate Number U0619703002630	System Owner Huron Cty	Survey Customer Headway Eng	Drainage Area	Sheet 1				
P/O No.	Pipeline Segment Reference	Date 20230310	Time 09:19	Location (Street Name and number) Summerhavon	Locality Central Huron				
Further Location details		Upstream Manhole Number Inlet	Rim to Invert	Grade to Invert	Rim to Grade				
Downstream Manhole Number Outlet	Rim to Invert	Grade to Invert	Rim to Grade	Use of Sewer Stormwater	Direction Downstream	Flow Control N	Height 900		
Width	Shape Circular	Material CMP	Ln. Method CP	Pipe Joint Length	Total Length	Length Surveyed 117.7	Year Laid	Year Rehabilitated	Tape / Media Number
Purpose F	Sewer Category	Pre-Cleaning No Pre-Cleaning	Cleaned	Weather Dry	Additional Information				

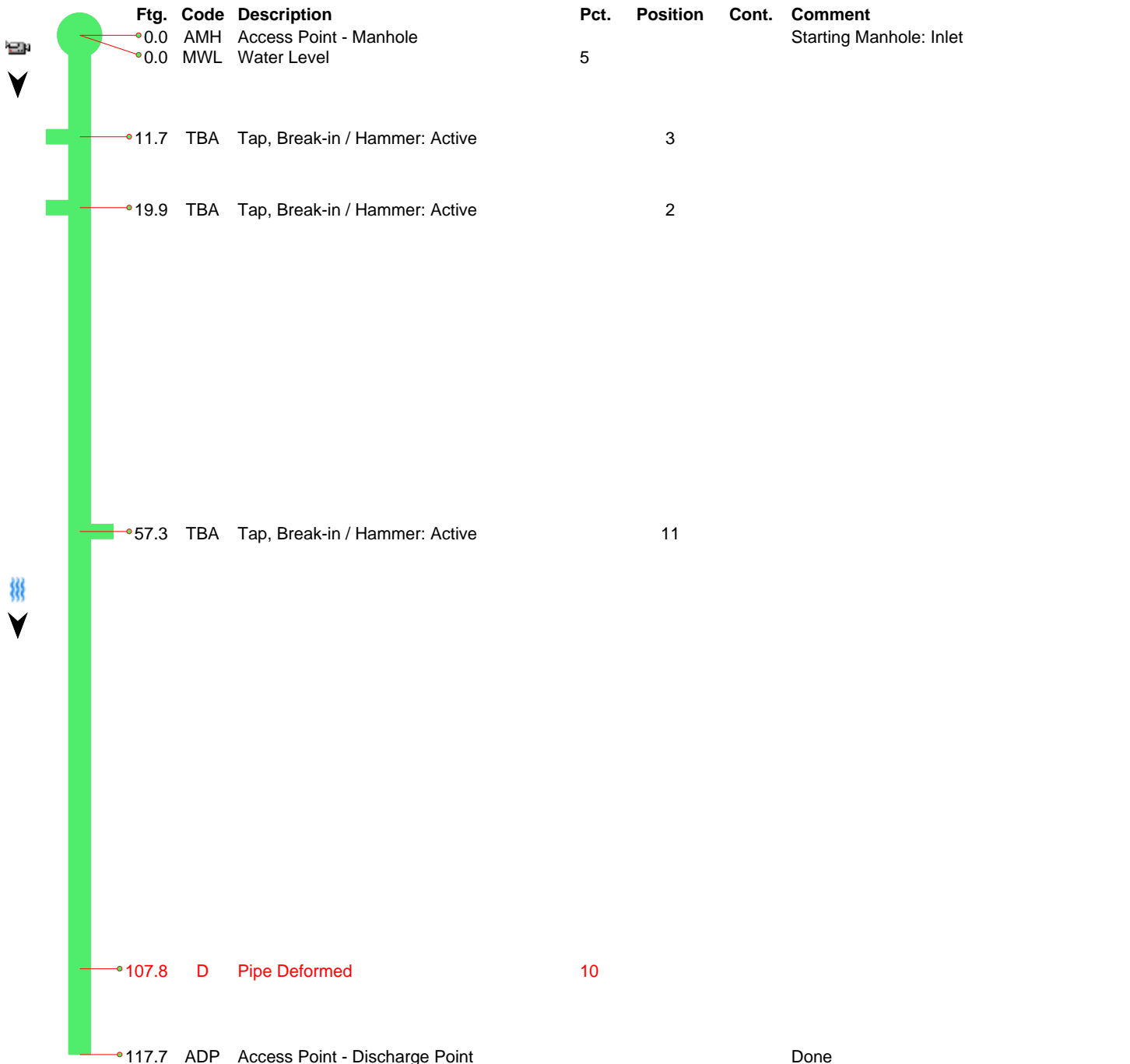
Distance (Meters)	Code		Continuous defect	Value				Joint	Circumferential Location		Image Ref.	Struct. Grade	O&M Grade	Remarks
	Group/ Descriptor	Modifier/ severity		S/M/L	Inches		%		At / From	To				
					1st	2nd								
0.0	AMH													Starting Manhole: Inlet
0.0	MWL					5								
11.7	TB	A			200			3						
19.9	TB	A			200			2						
57.3	TB	A			200			11						
107.8	D						10				4			
117.7	ADP												Done	

Segment	Structural									O & M									Overall								
	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index		Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index		Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Rating	Quick	Index	
20230310-Inlet-Outlet	0	0	0	4	0	4	4100	4.0		0	0	0	0	0	0	0000			0	0	0	4	0	4	4100	4.0	



CT Environmental Ltd.
73595 Goshen Line
Zurich, Ontario N0M 2T0
Ph: 519-236-7401

Upstream MH Inlet	Downstream MH Outlet	Size 900	Material Corrugated Metal Pipe	Total Length	City Central Huron
Surveyor's Name Matt Howitt	Certificate Number U0619703002630	Street Address Summerhavon	Location Details		
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20230310	Time 09:19	Length Surveyed 117.7
Additional Information					



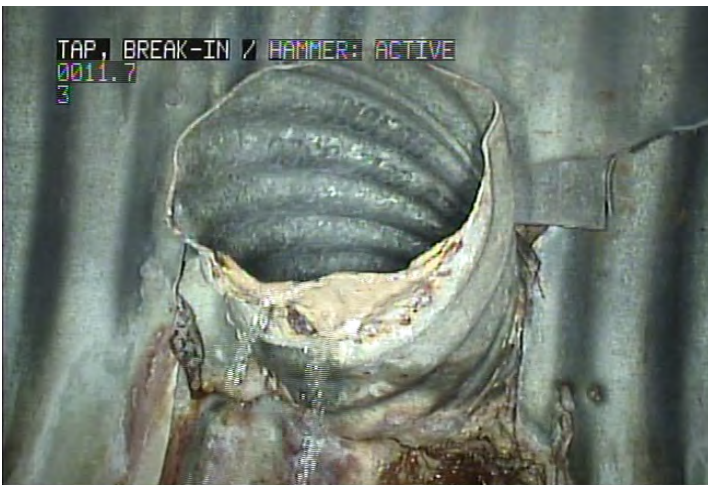
Upstream MH Inlet	Downstream MH Outlet	Size 900	Material Corrugated Metal Pipe	Total Length	City Central Huron
Surveyor's Name Matt Howitt	Certificate Number U0619703002630	Street Address Summerhavon	Location Details		
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20230310	Time 09:19	Length Surveyed 117.7
Additional Information					



AMH - Access Point - Manhole @ 0.0 m.
Starting Manhole: Inlet



MWL - Water Level @ 0.0 m.

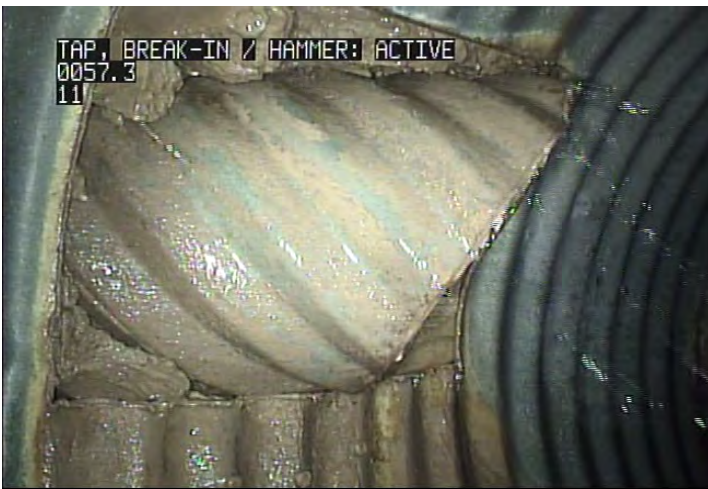


TBA - Tap, Break-in / Hammer: Active @ 11.7 m.



TBA - Tap, Break-in / Hammer: Active @ 19.9 m.

Upstream MH Inlet	Downstream MH Outlet	Size 900	Material Corrugated Metal Pipe	Total Length	City Central Huron
Surveyor's Name Matt Howitt	Certificate Number U0619703002630	Street Address Summerhavon	Location Details		
Direction Downstream	Purpose Routine Assessment	Weather Dry	Date 20230310	Time 09:19	Length Surveyed 117.7
Additional Information					



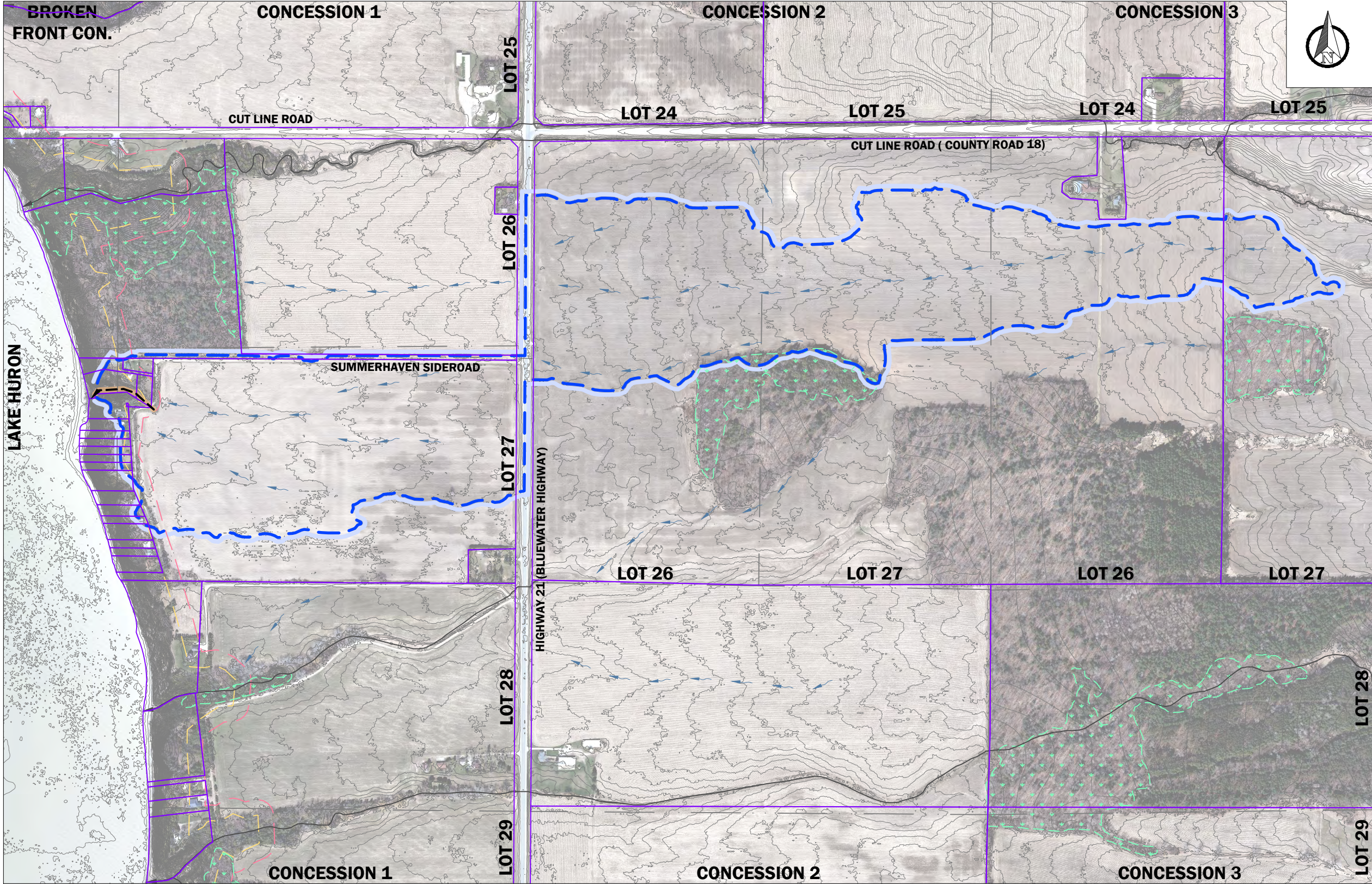
TBA - Tap, Break-in / Hammer: Active @ 57.3 m.



D - Pipe Deformed @ 107.8 m.



ADP - Access Point - Discharge Point @ 117.7 m. Done



MAITLAND VALLEY
CONSERVATION AUTHORITY


MUNICIPALITY OF CENTRAL
HURON, GODERICH WARD

McGUFFIN GULLY

Watershed Plan

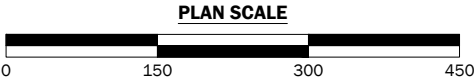
- NOTES:**
1. THIS MAP WAS CREATED USING COUNTY OF HURON AND MAITLAND VALLEY CONSERVATION AUTHORITY GEOGRAPHIC INFORMATION SYSTEM DIGITAL DATA. THIS MAP IS A SECONDARY PRODUCT WHICH HAS NOT BEEN VERIFIED BY THE COUNTY OF HURON AND/OR MAITLAND VALLEY CONSERVATION AUTHORITY.
 2. THE CONTOURS WERE CREATED USING IMAGERY DERIVED DIGITAL DATA (2015) FROM LAND INFORMATION ONTARIO.

- LEGEND**
- LOT/CONCESSION LINE
 - PROPERTY LINE
 - MAJOR WATERSHED BOUNDARY
 - MINOR WATERSHED BOUNDARY
 - STABLE SLOPE
 - 100 YR EROSION POTENTIAL LINE
- EXISTING FEATURES:**
- OPEN DRAIN WITH FLOW DIRECTION
 - OVERLAND FLOW PATH
- PROPOSED FEATURES:**
- McGUFFIN GULLY

			
	1	REPORT SUBMISSION	23-03-29
No.	REVISION	DATE	(YY-MM-DD)



DRAWN BY: R.U.	DESIGNED BY:	CHECKED BY: S.B.
DATE: 2023-03-29	REFERENCE No. MVCA-001	DRAWING No. 1 OF 2





MAITLAND VALLEY
CONSERVATION AUTHORITY

MUNICIPALITY OF CENTRAL
HURON, GODERICH WARD

McGUFFIN GULLY

Infrastructure Detail

- NOTES:**
1. THIS MAP WAS CREATED USING COUNTY OF HURON AND MAITLAND VALLEY CONSERVATION AUTHORITY GEOGRAPHIC INFORMATION SYSTEM DIGITAL DATA. THIS MAP IS A SECONDARY PRODUCT WHICH HAS NOT BEEN VERIFIED BY THE COUNTY OF HURON AND/OR MAITLAND VALLEY CONSERVATION AUTHORITY.
 2. THE CONTOURS WERE CREATED USING IMAGERY DERIVED DIGITAL DATA (2015) FROM LAND INFORMATION ONTARIO.

- LEGEND**
- LOT/CONCESSION LINE
 - PROPERTY LINE
 - MAJOR WATERSHED BOUNDARY
 - MINOR WATERSHED BOUNDARY
 - STABLE SLOPE
 - 100 YR EROSION POTENTIAL LINE
- EXISTING FEATURES:
- OPEN DRAIN WITH FLOW DIRECTION
 - PRIVATE TILE DRAIN
 - OVERLAND FLOW PATH
- PROPOSED FEATURES:
- McGUFFIN GULLY

	1	REPORT SUBMISSION	23-03-29
No.	REVISION	DATE (YY-MM-DD)	



DRAWN BY: R.U.	DESIGNED BY:	CHECKED BY: S.B.
DATE: 2023-03-29	REFERENCE No. MVCA-001	DRAWING No. 2 OF 2

PLAN SCALE



Members Report #32-2023

To: Members, Maitland Valley Conservation Authority
From: Stewart Lockie, Conservation Areas Coordinator
Date: May 9th, 2023

Subject: Galbraith Conservation Area – Lease Agreement with Municipality of North Perth

Purpose:

To provide information and approve the leasing of Galbraith Conservation Area to the Municipality of North Perth.

Background:

In 2018, staff began researching options for the operations of Galbraith Conservation Area after the Galbraith Optimist Camp for Kids indicated they would be terminating the lease agreement with the Authority. The Optimists had leased the property since 1991 to operate a summer day camp for youth and had developed the area to meet this need.

After several options were provided to the MVCA Membership, a motion was approved to begin the disposition of the property. MVCA had to follow the Ministry of Natural Resources requirements for disposition of Conservation Authority lands which required notifying local public agencies to determine if they had interest to acquire the property first.

One expression of interest was received from the Municipality of North Perth to lease the lands consistent with the lease that MVCA had with the Galbraith Optimists. North Perth's request requested additional time to develop a business plan and to obtain approval from Council. MVCA Members approved this request. Staff provided information and access to the site while the business plan was being developed.

On April 3rd the council for North Perth reviewed the proposed business plan including potential funding resources and passed a motion to send an expression of interest to MVCA for leasing the Galbraith Conservation Area.

The business plan has been reviewed by MVCA staff to ensure the proposed uses would be compatible with the area.

Staff met with Municipal staff on April 26th to discuss the terms of the lease and proposed the following:

Lease agreement details

North Perth has indicated they would like to provide passive public recreational use of the area. They plan to provide for multi-use options of the area including outdoor education, day camp programs, and a facility for various interest groups to use to provide outdoor/conservation-oriented recreational activities for the benefit of young children and the community. Passive recreational use would include such activities as hiking, biking, and nature appreciation.

North Perth would also improve existing facilities to meet safety and accessibility requirements.

Municipal Obligations:

- responsible for all aspects of the operations including development, management, and associated expenses.
- Pay for hydro and land taxes.
- Provide insurance for operations including adding MVCA as additionally insured.
- Ensure maintenance is performed on lands, trails, and buildings.
- Ensure existing No hunting, and No unauthorized vehicle policies are maintained.

MVCA's Obligations:

- Continue to undertake forest management operations following the approved forest management plan.
- Approve any modifications and/or improvements to land or infrastructure.
- Perform yearly inspection to ensure compliance with the lease agreement.
- Provide reciprocal indemnity and insurance for staff conducting research, inspections, or forest management operations.

The proposed lease term is to be for one year, with renewal on a yearly basis. Either party may terminate the agreement with 12 months notification.

Staff will formalize the agreement with the Municipality if the Members are in agreement with the proposal submitted by North Perth.

Recommendation:

THAT the Members approve entering into a lease agreement for the Galbraith Conservation Area with the Municipality of North Perth.

Member's Report #33-23

To: Member's, Maitland Valley Conservation Authority
From Danielle Livingston, Administrative and Financial Services Coordinator
Date: May 10, 2023
Subject Corporate Services - Accounts Paid and Received for:
April 2023

Recommendation

That the financial report be accepted as presented for the month o April 2023 ;
and that accounts outlined in the appendix to this report be approved.

Financial Summary Report Ending April 2023	
Revenue Invoiced	\$548,176.05
Accounts Paid	\$464,958.16

Financial Status at Month Ending April 2023	
Bank Loans Outstanding	\$0.00
Bank Balance at Month End	\$3,146,404.34
Total	\$3,146,404.34

Maitland Valley Conservation Authority
Accounts Receivable as of April 30, 2023

Operating Budget Revenue

Corporate

Corporate Services sale office support/rent office equipment	\$	636.40
bank interest	\$	3,900.43
Huron Clean Water Project administration	\$	466.49
	\$	<u>5,003.32</u>

Communications sales and donations	\$	258.00
	\$	<u>258.00</u>

Total Corporate Services \$ 5,261.32

Flood Safety

Planning/Regulations planning application fees	\$	550.00
property advisory fees	\$	450.00
solicitor inquires	\$	1,145.00
CWMS/watercourse regulations	\$	6,315.00
regulation applications	\$	6,730.00
	\$	<u>15,190.00</u>

Total Flood Safety Services \$ 15,190.00

Watershed Stewardship

Forestry administration fee	\$	3,080.07
Forestry seedling planting plan fee	\$	3,420.00
large stock user fees	\$	85,113.50
seedling user fees	\$	27,012.05
	\$	<u>118,625.62</u>

Total Watershed Stewardship Services \$ 118,625.62

Conservation Areas

FRCA camping	\$	171,493.01
sales/concession booth	\$	344.28
donations	\$	100.00
	\$	<u>171,937.29</u>

WPCA camping	\$	12,743.31
	\$	<u>12,743.31</u>

Motor Pool revenue	\$	3,255.76
	\$	<u>3,255.76</u>

Total Conservation Areas Operations	\$ 187,936.36
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Total Operating Budget Revenue	\$ 327,013.30
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Projects Budget Revenue

Corporate Services

Administration Centre Federal funding	\$ 56,758.00
	\$ 56,758.00

Total Corporate Services	\$ 56,758.00
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Watershed Stewardship

Middle Maitland Restoration donations	\$ 10,000.00
	\$ 10,000.00

Huron County Clean Water funding	\$ 94,404.75
	\$ 94,404.75

ECCC Stream Restoration Federal funding	\$ 60,000.00
	\$ 60,000.00

Total Watershed Stewardship Services	\$ 164,404.75
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Total Project Budget Revenue	\$ 221,162.75
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\$ 548,176.05

Maitland Valley Conservation Authority
Expense Reports
As of April 30, 2023

Date	Num	Name	Amount
04/04/2023	Apr23EFT	Sun Life Financial	-5,531.53
04/14/2023	24499	Bell Mobility Inc. 500181172	-544.91
04/14/2023	24500	Bell Mobility (FRCA 501214021)	-553.24
04/14/2023	24501	Capstone Development Training	-56.50
04/14/2023	24502	Peavey Industries LP	-697.50
04/14/2023	24503	Wildlife Preservation Canada	-300.00
04/14/2023	24504	Bell Canada-properties	-465.10
04/14/2023	24505	Charles C. Culbert	-542.40
04/14/2023	24506	Huron Telecommunications Co-op Ltd.	0.00
04/14/2023	24507	Wightman Telecom Ltd.	-1,029.64
04/14/2023	24508	Wightman Telecom Ltd.	-1,096.29
04/14/2023	24509	CNH Industrial Capital Canada Ltd.	-5,522.86
04/14/2023	24510	D & I Wattam Construction Ltd.	-15,820.00
04/14/2023	24511	Xerox Canada Ltd.	-104.07
04/14/2023	24512	CIBC Visa Centre	-8,152.03
04/14/2023	460	ALS Canada Ltd.	-291.43
04/14/2023	461	B.M. Ross & Associates Limited	-5,539.65
04/14/2023	462	Bohnert Fire & Safety Supplies	-209.05
04/14/2023	463	Brandt Security	-22.60
04/14/2023	464	Car Quest Goderich #6511	-72.56
04/14/2023	465	Chris Van Esbroeck	-84.69
04/14/2023	466	Elizabeth Huber-Kidby	-192.18
04/14/2023	467	F.S. Partners	-175.79
04/14/2023	468	Foxton Fuels Limited	-37.22
04/14/2023	469	Ideal Supply Inc.	-321.43
04/14/2023	470	Jutzi Water Technologies	-124.30
04/14/2023	471	Lei`s Lumber Company Ltd	-71.70
04/14/2023	472	Mid Western Newspapers	-154.40
04/14/2023	473	North Huron Publishing Company Inc.	-881.97
04/14/2023	474	Postmedia Network Inc.	-149.16
04/14/2023	475	R. J. Burnside & Associates	-26,950.50
04/14/2023	476	Robert's Farm Equipment	-848.63
04/14/2023	477	W.D. Hopper & Sons Ltd.	-2,399.28
04/14/2023	478	Watson's Home Hardware	-1,555.14
04/14/2023	479	Zuzek Inc.	-32,112.53
04/15/2023		Payroll	-40,122.22
04/28/2023	24513	Bureau Veritas Canada Inc.	-246.18
04/28/2023	24514	Canadian Crane Rentals Ltd.	-994.40

04/28/2023	24515	D & M Auto Service	-415.84
04/28/2023	24516	D & I Wattam Construction Ltd.	-8,621.90
04/28/2023	24517	Greg & Sharon Greidanus	-1,250.00
04/28/2023	24518	Shelley Kroes	-2,163.89
04/28/2023	24519	407 ETR	-40.16
04/28/2023	24520	Dr.Harold Schroeter	-1,200.00
04/28/2023	24521	John Van Miltenburg	-5,500.00
04/28/2023	24522	Headways Engineering	-16,950.00
04/28/2023	24523	Muller Farms Ltd..	-4,679.00
04/28/2023	24524	Mike Henderson	-787.50
04/28/2023	24525	Harold Van Doornik	-1,350.00
04/28/2023	24526	Trebor Farms Ltd.	-1,515.00
04/28/2023	24527	Huron Agri Products Ltd.	-2,250.00
04/28/2023	24528	Van Doornik Farms Ltd.	-1,500.00
04/28/2023	24529	Hundt Farms Inc.	-2,250.00
04/28/2023	24530	Gerhard Ritzema	-2,250.00
04/28/2023	24531	Fotheringham Farms	-1,410.00
04/28/2023	24532	Hillcreek Farms Ltd.	-840.00
04/28/2023	24533	Hill & Hill Farms Ltd.	-2,250.00
04/28/2023	24534	Dan & Matt Steeper	-675.00
04/28/2023	24535	Hayter Turkey Farms Inc.	-2,250.00
04/28/2023	24536	Michael Becker	-2,250.00
04/28/2023	24537	Earl Becker	-2,250.00
04/28/2023	24538	Joerg Genoch	-2,250.00
04/28/2023	24539	Chris Degroot	-690.00
04/28/2023	24540	Thomas Genoch (1144358 Ontario Inc.)	-2,250.00
04/28/2023	24541	Eilers Farms (Ontario) Inc.	-2,250.00
04/28/2023	24542	Marsh Canada Limited	-72,937.88
04/28/2023	24543	Leonard Stamper	-840.00
04/28/2023	24544	780700 Ontario Ltd.	-2,250.00
04/28/2023	24545	Paul Buttar	-2,130.00
04/28/2023	24546	Greenvale Farms Ltd.	-900.00
04/28/2023	24547	Shawn Willits	-2,055.00
04/28/2023	24548	Dean Glanville	-1,650.00
04/28/2023	24549	Marlene Glanville	-750.00
04/28/2023	24550	Alan Willits	-2,250.00
04/28/2023	24551	Bylsma Farms Ltd	-2,250.00
04/28/2023	24552	Auke Bylsma	-1,100.00
04/28/2023	24553	Neloway Farms	-1,320.00
04/28/2023	24554	Melady Acres	-1,395.00
04/28/2023	24555	Andrew Dykstra	-1,725.00
04/28/2023	24556	Aldercrop Farms Ltd	-2,250.00
04/28/2023	24557	Frieshaven Farms	-1,125.00

04/28/2023	24558	1510502 Ontario Ltd.	-375.00
04/28/2023	24559	James Armstrong	-585.00
04/28/2023	24560	Nathan Cann	-750.00
04/28/2023	24561	Joel Brodie	-900.00
04/28/2023	24562	Mike Strang	-2,250.00
04/28/2023	24563	Summer Papple	-570.00
04/28/2023	24564	Tyler Papple	-2,250.00
04/28/2023	24565	Jeremy Van Esbroeck	-1,575.00
04/28/2023	24566	David Frayne	-1,395.00
04/28/2023	24567	Jeff Allan	-900.00
04/28/2023	24568	Exeter Produce and Storage Co. Ltd.	-1,635.00
04/28/2023	24569	Terpstra Farms Ltd.	-150.00
04/28/2023	480	Ausable Bayfield Conservation Authority	-9,142.26
04/28/2023	481	Bill Roy	-2,250.00
04/28/2023	482	Brenda Tyndall	-1,350.00
04/28/2023	483	Curt's Coolers Inc	-2,486.00
04/28/2023	484	Evans Wholesale	-85.55
04/28/2023	485	Nicholas Friesen	-50.00
04/28/2023	486	Pagonis Live Bait	-305.10
04/28/2023	487	Westario Power Inc.	-38.43
04/28/2023	488	Yellow Pages	-13.67
04/28/2023	24570	Purolator Courier Ltd.	-47.27
04/30/2023		Payroll	-42,558.15
04/30/2023	Apr23EFT	Minister of Finance	-2,511.30
04/30/2023	Apr23EFT	Workplace Safety & Insurance Board	-3,992.35
04/30/2023	Apr23EFT	OMERS	-22,998.00
04/30/2023	Apr23EFT	Receiver General	-40,805.83
		Total	-464,958.16