

Breslau Drain 1 Report Consideration



October 17, 2023
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Breslau Drain 1 Overview

- Built in **1954** for a largely agricultural watershed.
- Watershed area **240.6** hectares (595 acres)
- Proposed drain length is **3,725m** (1,000m ditch, 2,725m pipe)



Project Impetus

- **Sept/Oct 2018**
Landowner requests under Section 78 of the Drainage Act and a landowner petition under Section 4.
- **Nov 2018**
Council appointed K. Smart Associates for a **Preliminary Report** to evaluate options.



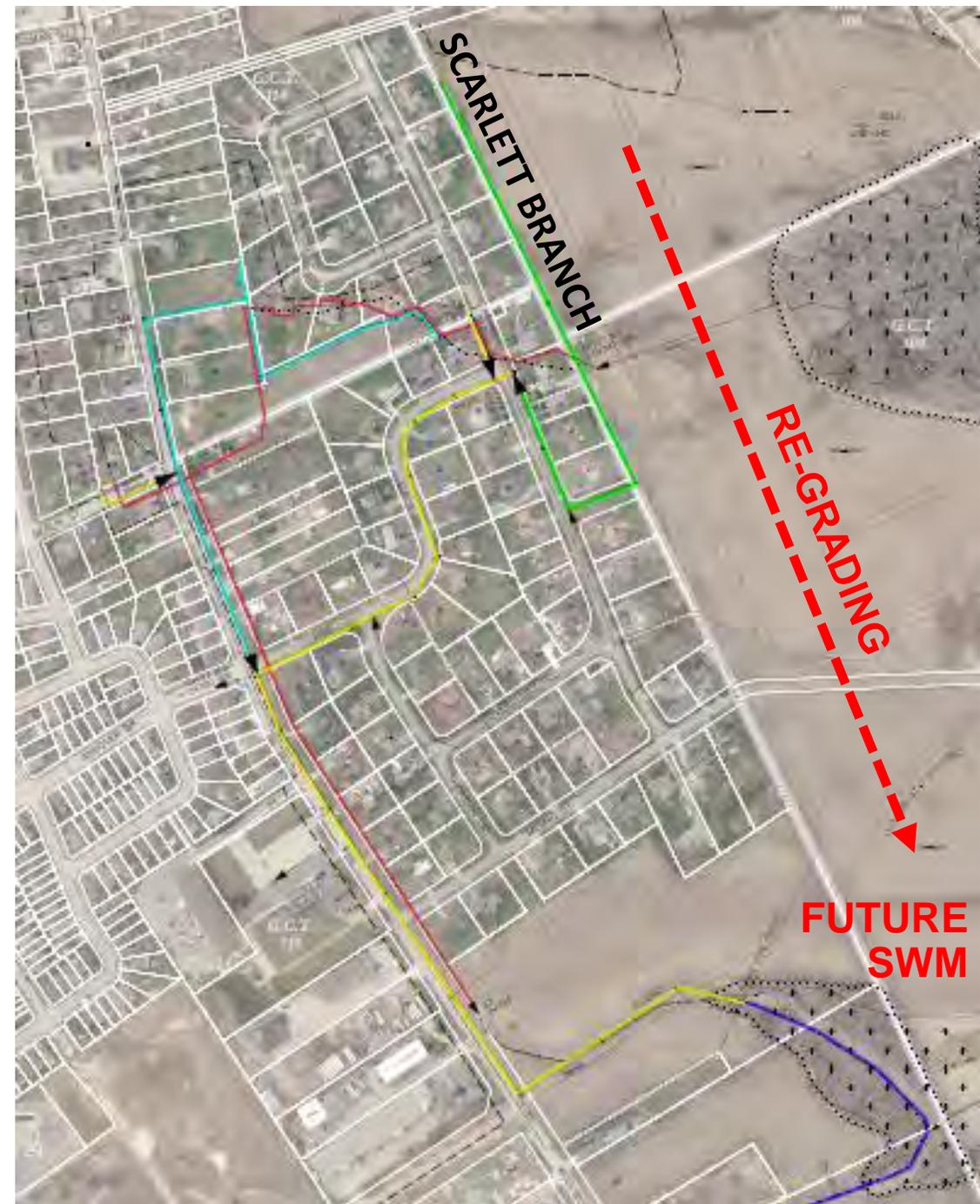
Final Report Phase

- **Dec 2019**
Council received Preliminary Report and gave direction for a final report to replace undersized drain.
- **April 2022**
Section 4 petition from development lands (Madwest Breslau Limited) for upstream extension of Breslau Drain 1.



Design Highlights

- Upstream extension to intercept rear-yard drainage from development lands is the **Scarlett Branch**.
- Re-grading to south of development lands into a future SWM facility **reduces** the catchment upstream of Elroy Acres from **28ha to 1ha**.



Pipe Sizing

- Per catchment boundaries shown (Appendix C in report)
- 5-year event along roads
- 2-year event along yards where drain crosses private lands due to lot grading.



Ditch Portion

- No work through wetland now. Future obstruction removal as needed, no ditch deepening.
- Existing Woolwich Street culvert in good condition and carries 100-year event, no work now.
- Cleanout and bank protection downstream of Woolwich St.
- Drain outlet as per location in Preliminary Report



Estimated Cost - \$5.65M

Description		TOTAL
Drainage works	\$3,167,795	
Township roads and utilities	\$1,024,200	
Contingencies and overhead	\$406,660	
Construction Subtotal		\$4,598,655
Engineering		\$657,700
Allowances		\$57,850
Section 73 Costs		\$243,275
Net HST on applicable costs		\$92,520
TOTAL		\$5,650,000



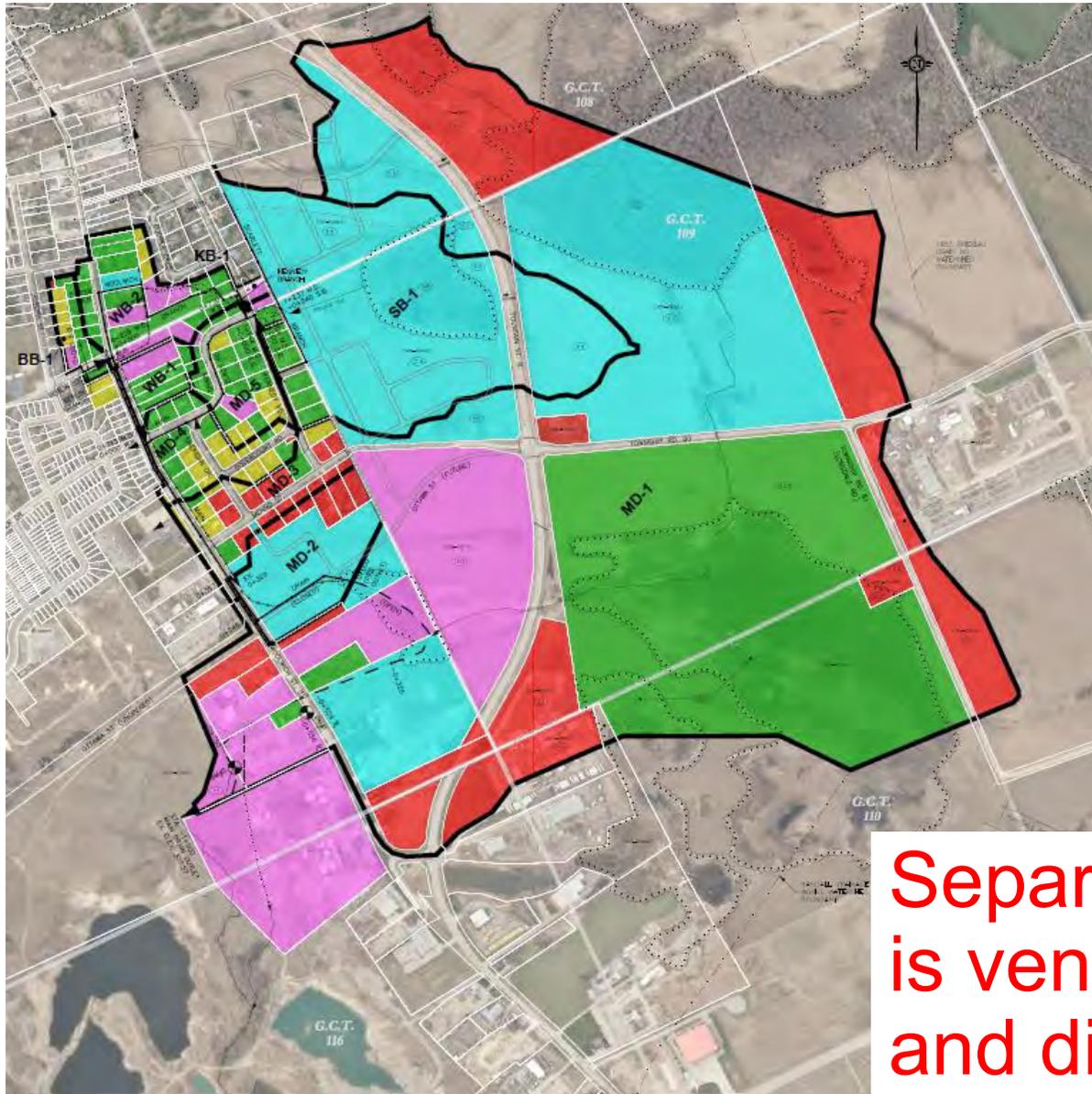
Distribution of *Drainage Act* Assessments

Category	Assessment	Portion
Residential	\$525,000	9.3%
Commercial	\$114,300	2.0%
Region	\$39,700	0.7%
Hydro	\$30,200	0.5%
Development Lands	\$2,705,600	47.9%
Township	\$2,235,200	39.6%
TOTAL	\$5,650,000	100%

Separate Court of Revision meeting is venue for drain assessment detail and discussion



Distribution of *Drainage Act* Assessments



NET ASSESSMENT RANGES:



Separate Court of Revision meeting is venue for drain assessment detail and discussion.

Questions?

