

**Legend**

- Flood Limit
- Cross Section - Station (Floodline Elevation) (CGVD2013 | CGVD28:78)
- Cross Section (Local Surface Model) - Station (Floodline Elevation) (CGVD2013 | CGVD28:78)
- 2m Elevation Contour
- Floodplain Spill
- Spill

**Scale:**  
ANSI D (22x34): 1:2000  
Scale: 1:2,000

**North Arrow:**  
True North  
NAD83 UTM  
Zone 17 North  
CGVD 2013

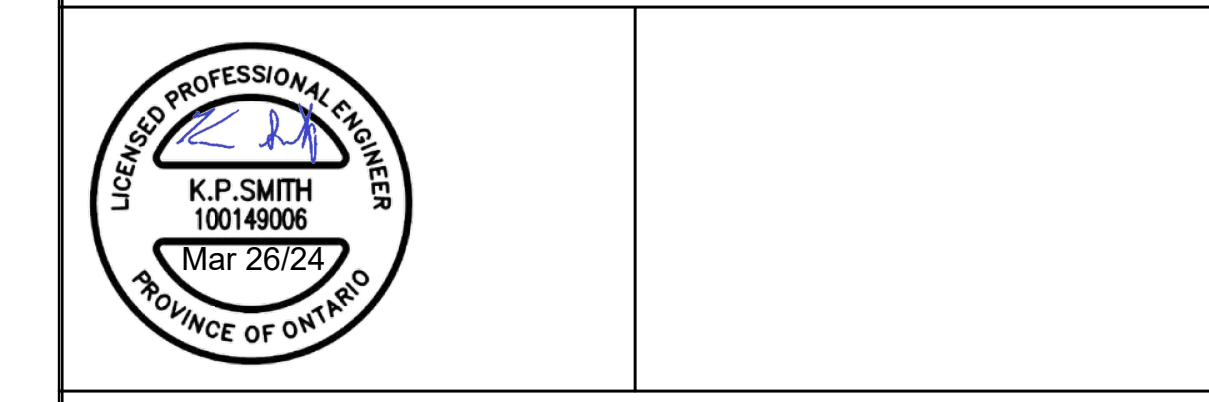
**Scale Bar:**  
0 25 50 100 150 200  
Meters

**Revisions**

No.	Description	By	Date
0	DRAFT SUBMISSION FOR LSRCA REVIEW	KS	2/15/24
1	FIRST SUBMISSION FOR PROVINCIAL REVIEW	KS	2/15/24
2	FINAL SUBMISSION	KS	3/26/24

**Notes:**

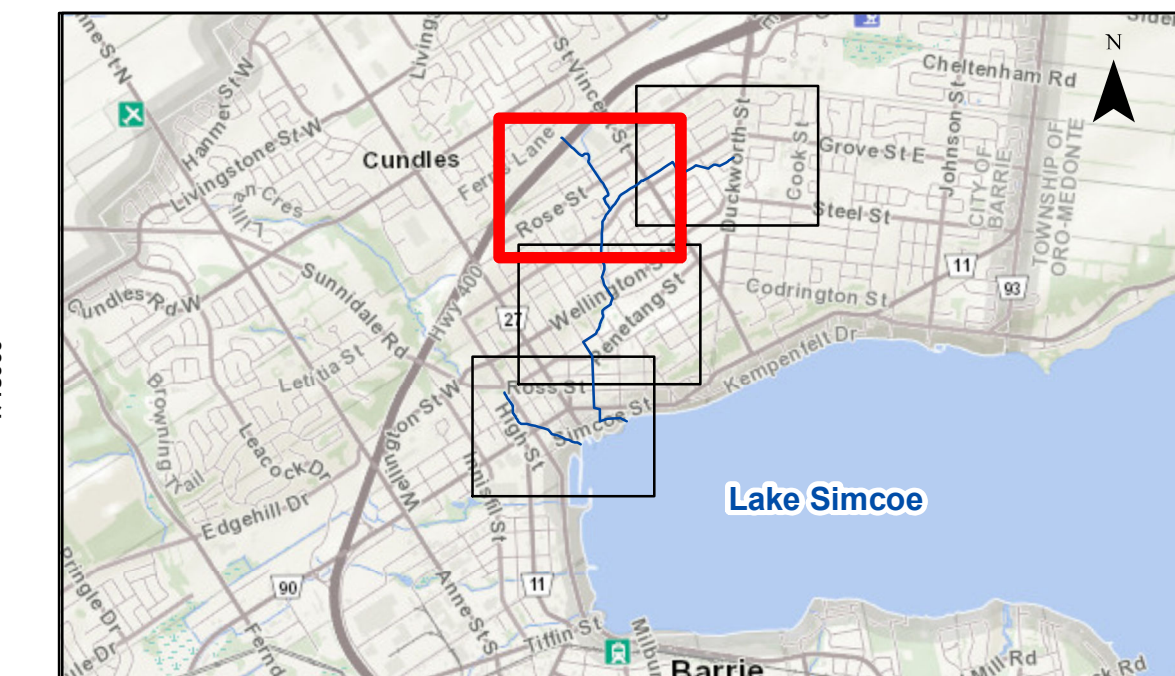
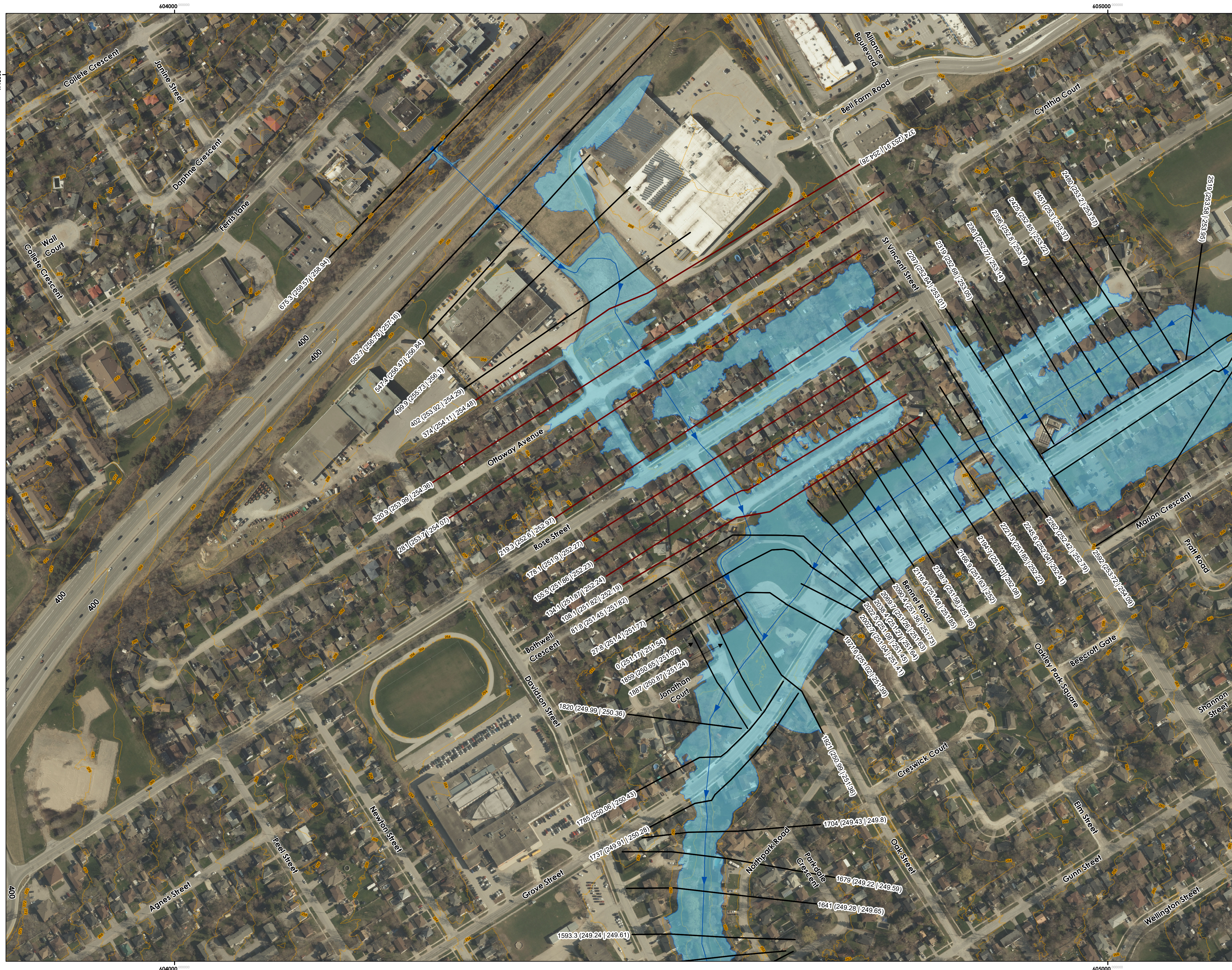
- Modeled in ArcMap 10.7, HEC-RAS Version 6.3.1.
- All units are metric and in meters unless otherwise specified.
- Aerial imagery from Barrie 2022.
- Regulatory Event for Sophia Creek is the 100-Year Storm.



	D.M. Wills Associates Limited 150 Jameson Drive Peterborough, Ontario K9J 0B9	Engineer: KS/SO
	P. 705.742.2297 F. 705.741.3568 E. wills@dmwills.com	Designed By: SO
		Checked By: KS
		Date: 3/26/24
		Project No. 23-561 I
		Map File No. Final FPM

**SOPHIA CREEK  
REGULATORY FLOODLINE LIMITS**  
 Lake Simcoe Region Conservation Authority  
 City of Barrie  
 SOPHIA CREEK FIGURE 1.4





**Legend**

- Flood Limit
- Cross Section - Station (Floodline Elevation) (CGVD2013 | CGVD28:78)
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- 2m Elevation Contour
- Floodplain Spill
- Spill

**Scale:**  
ANSI D (22x34): 1:2000  
1:2,000

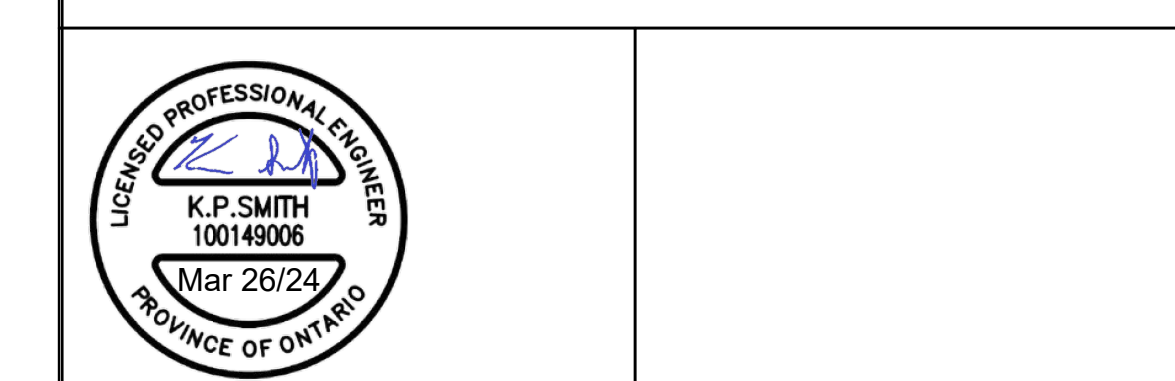
**Scale Bar:**  
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**Revisions**

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**WILLS**

D.M. Wills Associates Limited  
150 Jameson Drive  
Peterborough, Ontario  
K9J 0B9

P. 705.742.2297  
F. 705.741.3568  
E. wills@dmwills.com

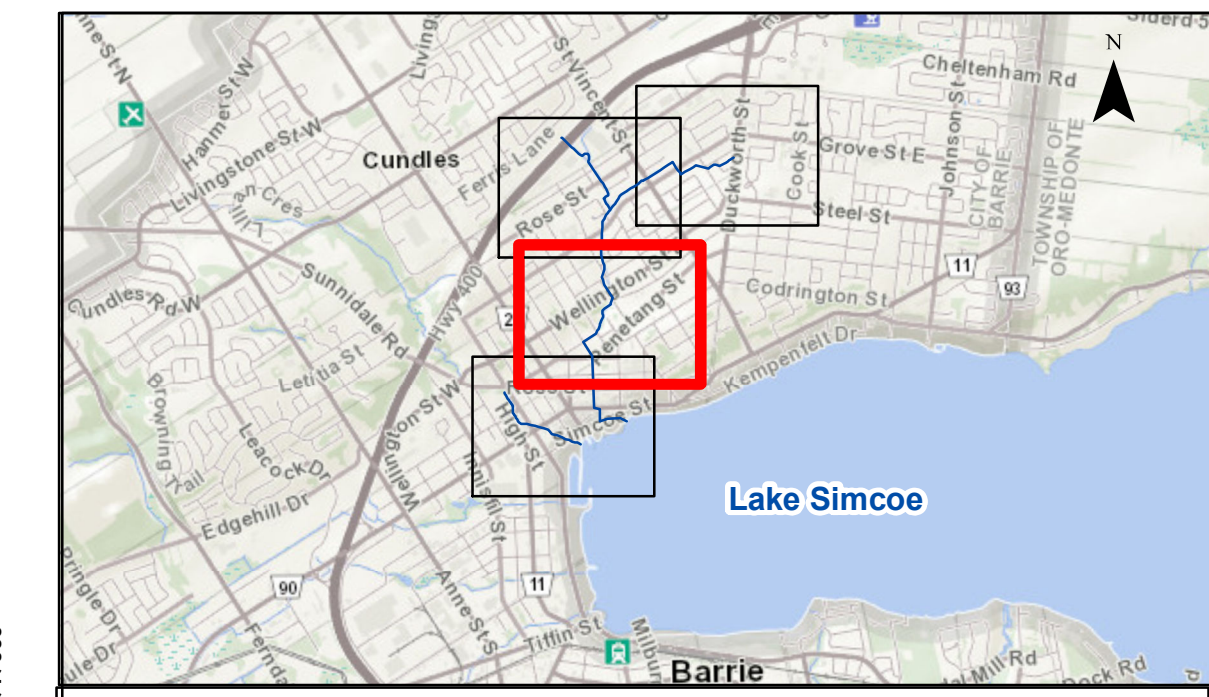
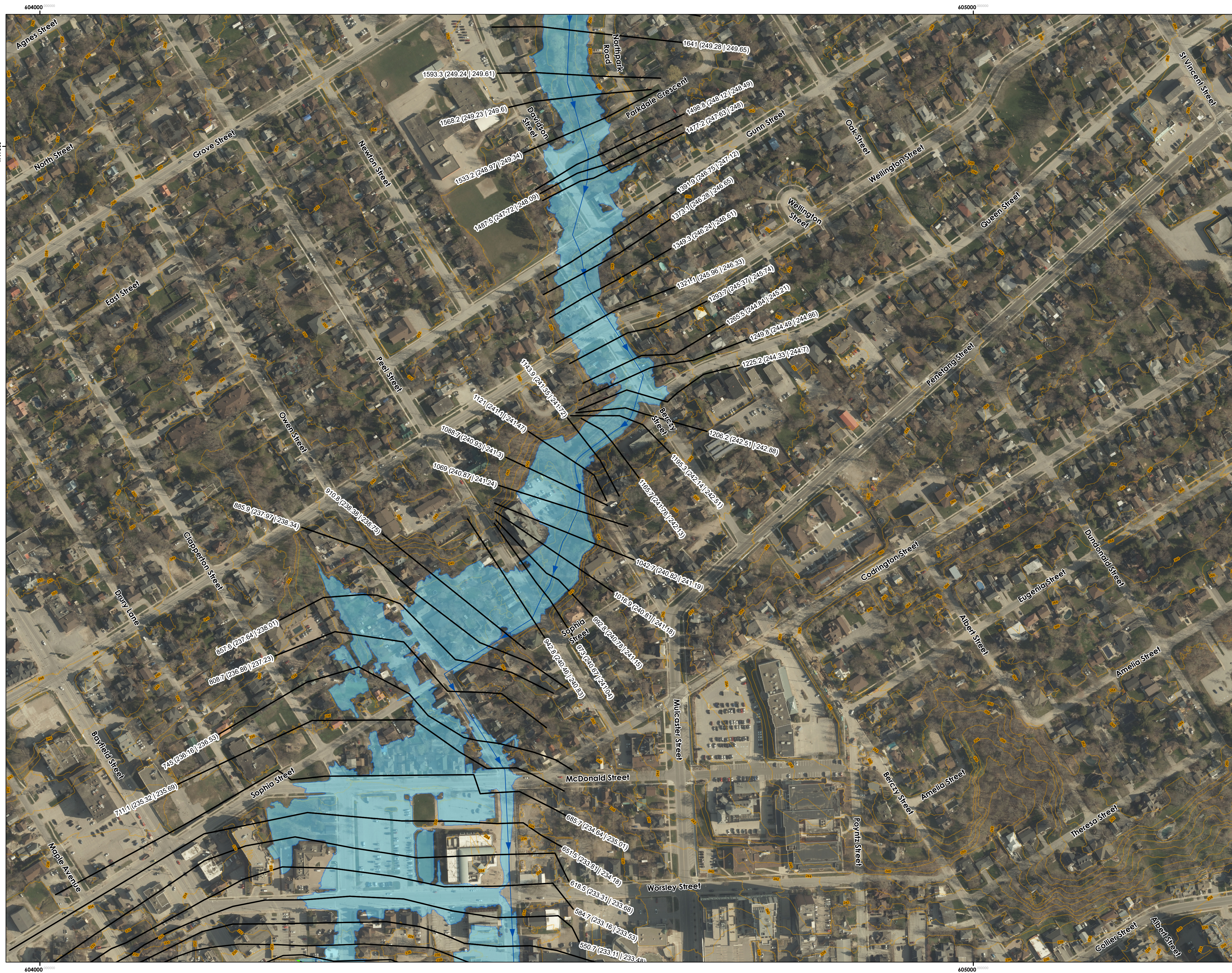
Engineer: KS/SO  
Designed By: SO  
Checked By: KS  
Date: 3/26/24  
Project No. 23-561 I  
Map File No. Final FPM

**SOPHIA CREEK  
REGULATORY FLOODLINE LIMITS**

Lake Simcoe Region Conservation Authority  
City of Barrie

SOPHIA CREEK FIGURE 2.4





**Legend**

- Flood Limit
- Cross Section - Station (Floodline Elevation) (CGVD2013 | CGVD28.78)
- Cross Section (Local Surface Model) - Station (Floodline Elevation) (CGVD2013 | CGVD28.78)
- 2m Elevation Contour
- Floodplain Spill
- Spill

Scale: 1:2,000  
ANSI D (22x34): 1:2000

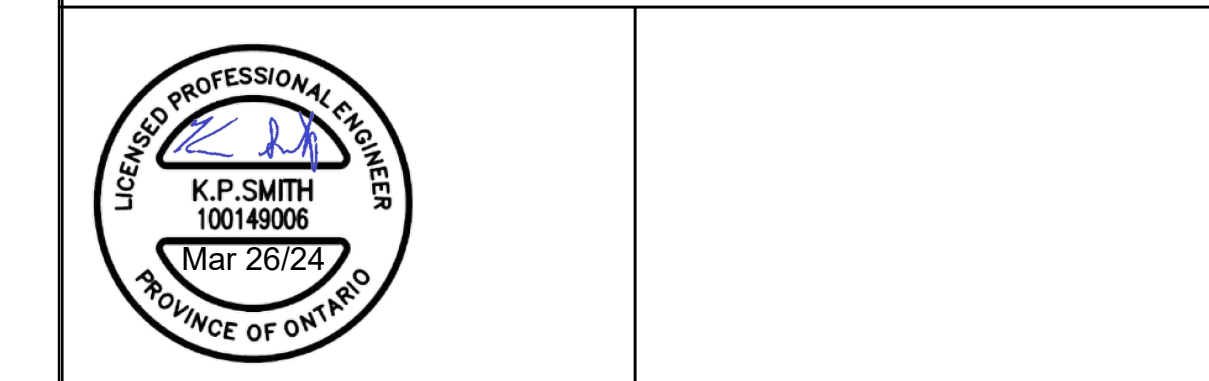
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Meters

**Revisions**

No.	Description	By	Date
0	DRAFT SUBMISSION FOR LSRCA REVIEW	KS	2/15/24
1	FIRST SUBMISSION FOR PROVINCIAL REVIEW	KS	2/15/24
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**WILLS**

D.M. Wills Associates Limited  
150 Jameson Drive  
Peterborough, Ontario  
K9J 0B9  
P. 705.742.2297  
F. 705.741.3568  
E. wills@dmwills.com

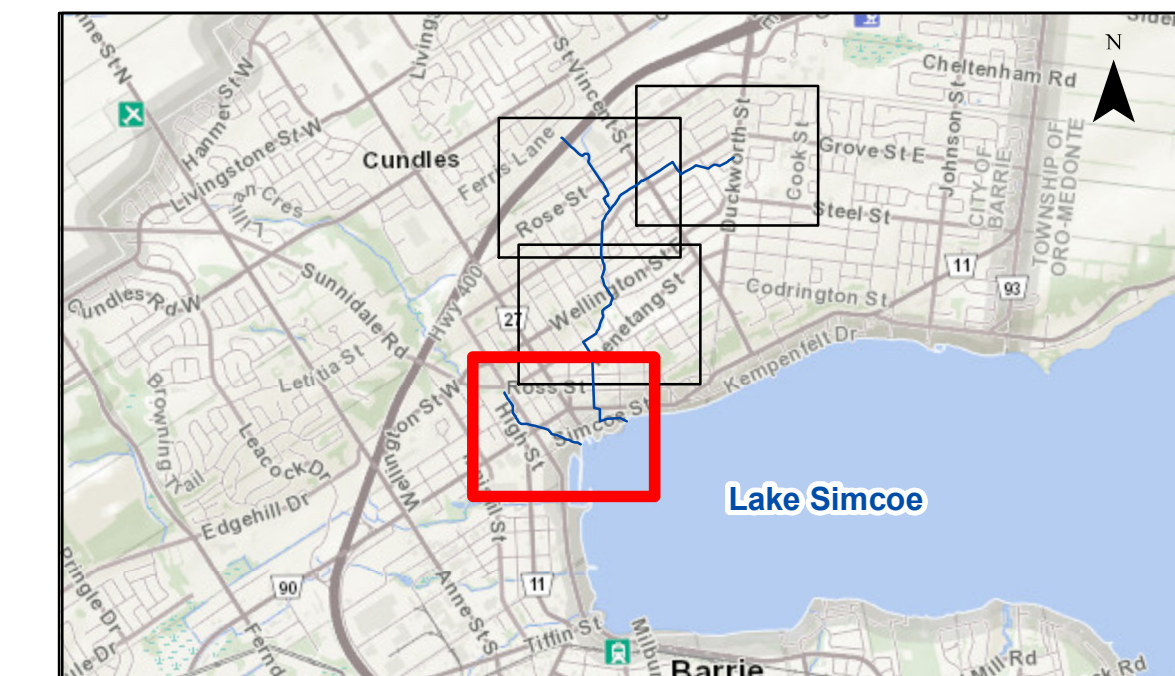
Engineer: KS/SO  
Designed By: SO  
Checked By: KS  
Date: 3/26/24  
Project No. 23-561 I  
Map File No. Final FPM

**SOPHIA CREEK  
REGULATORY FLOODLINE LIMITS**

Lake Simcoe Region Conservation Authority  
City of Barrie

SOPHIA CREEK FIGURE 3.4





**Legend**

- Flood Limit
- Cross Section - Station (Floodline Elevation) (CGVD2013 | CGVD28:78)
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- 2m Elevation Contour
- Floodplain Spill
- Spill

**Scale:**  
ANSI D (22x34): 1:2000

**Scale:**  
1:2,000

**Scale:**  
0 25 50 100 150 200  
Meters

**Revisions**

No.	Description	By	Date
0	DRAFT SUBMISSION FOR LSRCA REVIEW	KS	2/15/24
1	FIRST SUBMISSION FOR PROVINCIAL REVIEW	KS	2/15/24
2	FINAL SUBMISSION	KS	3/26/24

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	D.M. Wills Associates Limited 150 Jameson Drive Peterborough, Ontario K9J 0B9	Engineer: KS/SO
	P. 705.742.2297 F. 705.741.3568 E. wills@dmwills.com	Designed By: SO
		Checked By: KS
		Date: 3/26/24
		Project No. 23-5611
		Map File No. Final FPM

**SOPHIA CREEK  
REGULATORY FLOODLINE LIMITS**  
 Lake Simcoe Region Conservation Authority  
 City of Barrie  
**SOPHIA CREEK FIGURE 4.4**