

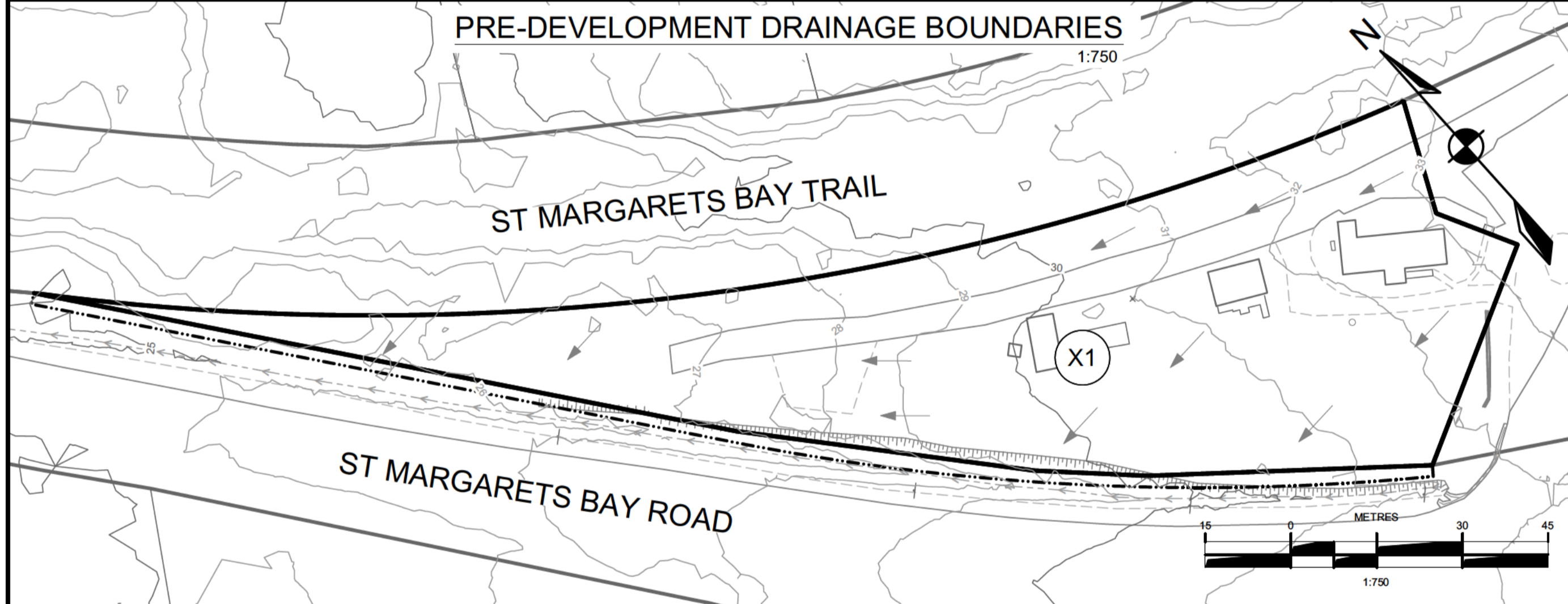
**LEGEND**

EXISTING	MAJOR CONTOUR	PROPOSED
-10-	MAJOR CONTOUR	-10-
-10-	MINOR CONTOUR	-10-
---	EASEMENT	---
---	RIGHT OF WAY	---
---	LOT LINE	---
○	STORM PIPE	○
---	SUBCATCHMENT AREA	---

EXISTING	PROPOSED	EXISTING	PROPOSED
---	PRECAST HEADWALL	---	CATCHBASIN
○	CATCHMENT ID	○	SUBCATCHMENT ID

NOTE: CONTOURS FROM PROVINCIAL LIDAR DATA IN 1 m INTERVALS. STORMWATER INFRASTRUCTURE IS PRELIMINARY ONLY TO BE CONFIRMED DURING DETAILED DESIGN.



**FLOW COMPARISON (BALANCE POINT A)**

	PRE-DEVELOPMENT (L/s)	POST-DEVELOPMENT (L/s)
5 YEAR RETURN	69	64
10 YEAR RETURN	95	93
25 YEAR RETURN	127	127
50 YEAR RETURN	151	146
100 YEAR RETURN	176	164

**SUBCATCHMENT AREAS AND SCS PARAMETERS**

ID	AREA (m <sup>2</sup> )	CN	tc (min)
XA	7464	68	6.2
A1	1913	91	5
A2	1217	81	5
A3	1366	81	5
A4	1186	68	5
A5	1783	61	5

TRIBUTARY AREA ID	AREA (m <sup>2</sup> )	BMP	REMOVAL RATE (%)	TOTAL EFFECTIVE REMOVAL (m <sup>2</sup> )	TOTAL EFFECTIVE REMOVAL (%)
A1	1913	Percolation/Exfiltration Trench	80	1530	80
A2	1217	Percolation/Exfiltration Trench	80	974	80
A3	1366	Percolation/Exfiltration Trench	80	1093	80
A5	1783	Bio-Retention System	80	1426	80
<b>TOTAL</b>	<b>6279</b>			<b>5023</b>	<b>80%</b>

A4 EXCLUDED FROM TSS CALCULATIONS DUE TO POST DEVELOPMENT LEVEL OF IMPERVIOUSNESS (GRASSSED AREA).

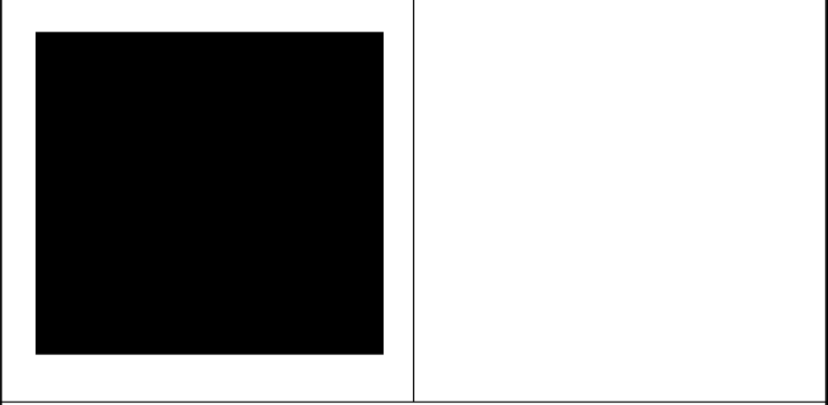
DESIGN FLOWS BASED ON SCS WATERSHED RUNOFF MODEL WITH SYNTHETIC DESIGN STORMS AS PER HALIFAX WATER 2020 SPECIFICATIONS (5 YEAR 24 HOUR: 124 mm, 10 YEAR 24 HOUR: 145 mm, 25 YEAR 24 HOUR: 169 mm, 50 YEAR 24 HOUR: 188 mm, 100 YEAR 24 HOUR: 204 mm)

**ISSUED FOR REVIEW, NOT FOR CONSTRUCTION**

ISSUE	DATE	DESCRIPTION	INT.
1	OCT. 4, 2024	ISSUED FOR REVIEW	JG

**DESIGNPOINT**  
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CLIENT

4485204 NOVA SCOTIA LTD

PROJECT DESCRIPTION

SONNYS ROAD

SHEET DESCRIPTION

STORMWATER MANAGEMENT PLAN

Drawn J. GALLANT	Engineer L. KING	Project No. 24 568	Drawing No. C-ST01
Scale AS NOTED	Filename 24 568 C.dwg	1 of 1	

