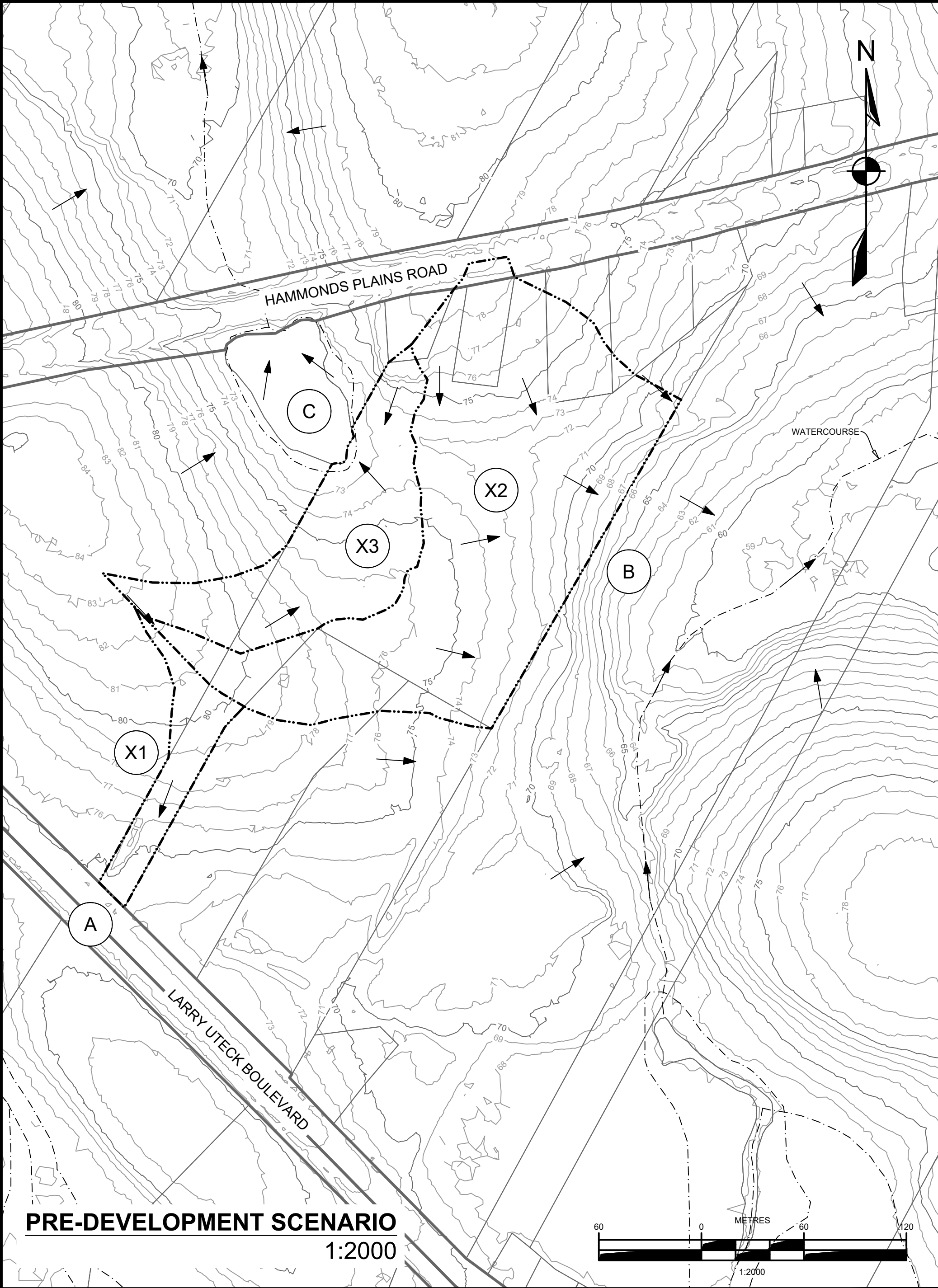




PRE-DEVELOPMENT CATCHMENT SCS PARAMETERS			
ID	AREA (Ha)	CN	Tc (min)
X1	0.27	78	10.7
X2	2.46	75	29.1
X3	1.03	76	22.9

POST-DEVELOPMENT CATCHMENT SCS PARAMETERS			
ID	AREA (Ha)	CN	Tc (min)
A1	0.35	79	10.4
B1	1.00	92	13.7
B2	1.70	77	20.2
B3	0.48	75	15.0
C1	0.96	88	19.1
C2	0.30	75	13.6

DESIGN FLOW BASED ON SCS WATERSHED RUNOFF MODEL WITH SYNTHETIC DESIGN STORM AS PER HALIFAX SPECIFICATIONS (2023). 24 HR RAINFALL DEPTHS AS FOLLOWS:

• 5 YEAR RETURN: 124 mm

• 10 YEAR RETURN: 145 mm

• 25 YEAR RETURN: 160 mm

• 50 YEAR RETURN: 188 mm

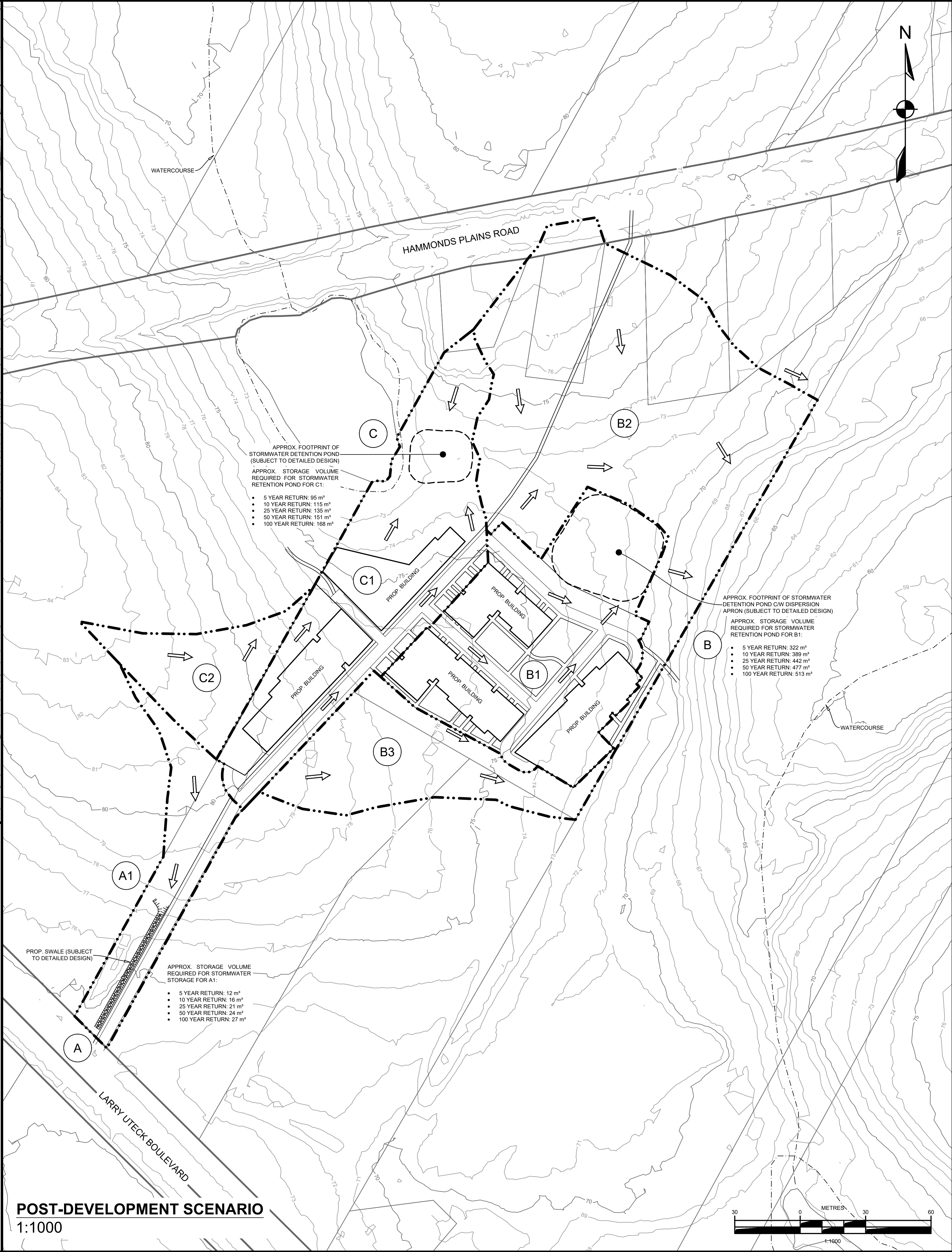
• 100 YEAR RETURN: 204 mm

ANTECEDENT MOISTURE CONDITION (AMC) = 2

RETURN PERIOD	PRE- AND POST-DEVELOPMENT RUNOFF "A" (m³/s)	
	PRE	POST
5-YR	0.03555	0.03465
10-YR	0.04468	0.04089
25-YR	0.05595	0.05077
50-YR	0.06410	0.05963
100-YR	0.07244	0.06862

RETURN PERIOD	PRE- AND POST-DEVELOPMENT RUNOFF "B" (m³/s)	
	PRE	POST
5-YR	0.21509	0.21138
10-YR	0.27163	0.26378
25-YR	0.34146	0.32823
50-YR	0.39311	0.37828
100-YR	0.44454	0.44102

RETURN PERIOD	PRE- AND POST-DEVELOPMENT RUNOFF "C" (m³/s)	
	PRE	POST
5-YR	0.08229	0.08121
10-YR	0.10408	0.10059
25-YR	0.13101	0.12844
50-YR	0.15085	0.14537
100-YR	0.17073	0.16049



KEY PLAN 1:20,000

PROJECT LOCATION (PID 0845846)

LEGEND

EXISTING		PROPOSED
10	MAJOR CONTOUR	10
10	MINOR CONTOUR	10
	EASEMENT	
	RIGHT OF WAY	
	LOT LINE	
ST	STORM PIPE	ST
	SUBCATCHMENT AREA	
	TOP OF SLOPE	
	BOTTOM OF SLOPE	

EXISTING	PROPOSED
PRECAST HEADWALL	CATCHBASIN
CATCHMENT ID	SUBCATCHMENT ID

A

A1

ELEVATIONS ARE REFERENCED TO NOVA SCOTIA PROVINCIAL LIDAR (CGVD2013). CONTOUR INTERVAL IS 1 m.

1	MAR. 21, 2025	ISSUED FOR REVIEW	AK
ISSUE	DATE	DESCRIPTION	INT.
CONSULTANT			

DESIGNPOINT

engineering • surveying • solutions

902.832.5597

designpoint.ca

PRELIMINARY

MAR. 21, 2025

CLIENT

OSO PLANNING + DESIGN

PROJECT DESCRIPTION

HARMONY PARK

HAMMONDS PLAINS, NOVA SCOTIA

SHEET DESCRIPTION

PRELIMINARY STORMWATER MANAGEMENT PLAN

Drawn A. KITSUTA	Engineer N. FOUGERE	Project No. 25-079	Drawing No. ST-01
Scale AS NOTED	Filename 25-079_Storm.dwg	1 of 1	

P:\2025\25-079 - M. Naim - Harmony Park - Hammonds Plains\01 - Drawings\Eng Design\Sheets\25-079_Storm.dwg, Plot Date: 2025-Mar-21, Plot Size: ISO full bleed A1 (841.00 x 594.00 MM), Plotted By: Andres Kitsuta