

**LEGEND**

EXISTING	PROPOSED
10	MAJOR CONTOUR
10	MINOR CONTOUR
- - - -	EASEMENT
- - - -	RIGHT OF WAY
- - - -	LOT LINE
○	STORM PIPE
- - - -	SUBCATCHMENT AREA
EXISTING	PROPOSED
▭	PRECAST HEADWALL
▭	CATCHBASIN
○	CATCHMENT ID
○	SUBCATCHMENT ID

**SUBCATCHMENT AREAS AND SCS PARAMETERS**

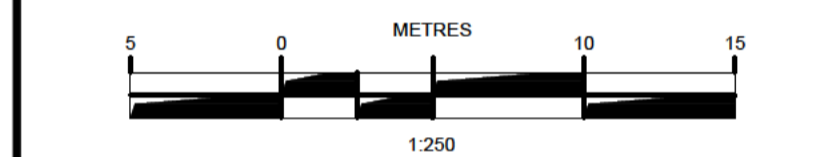
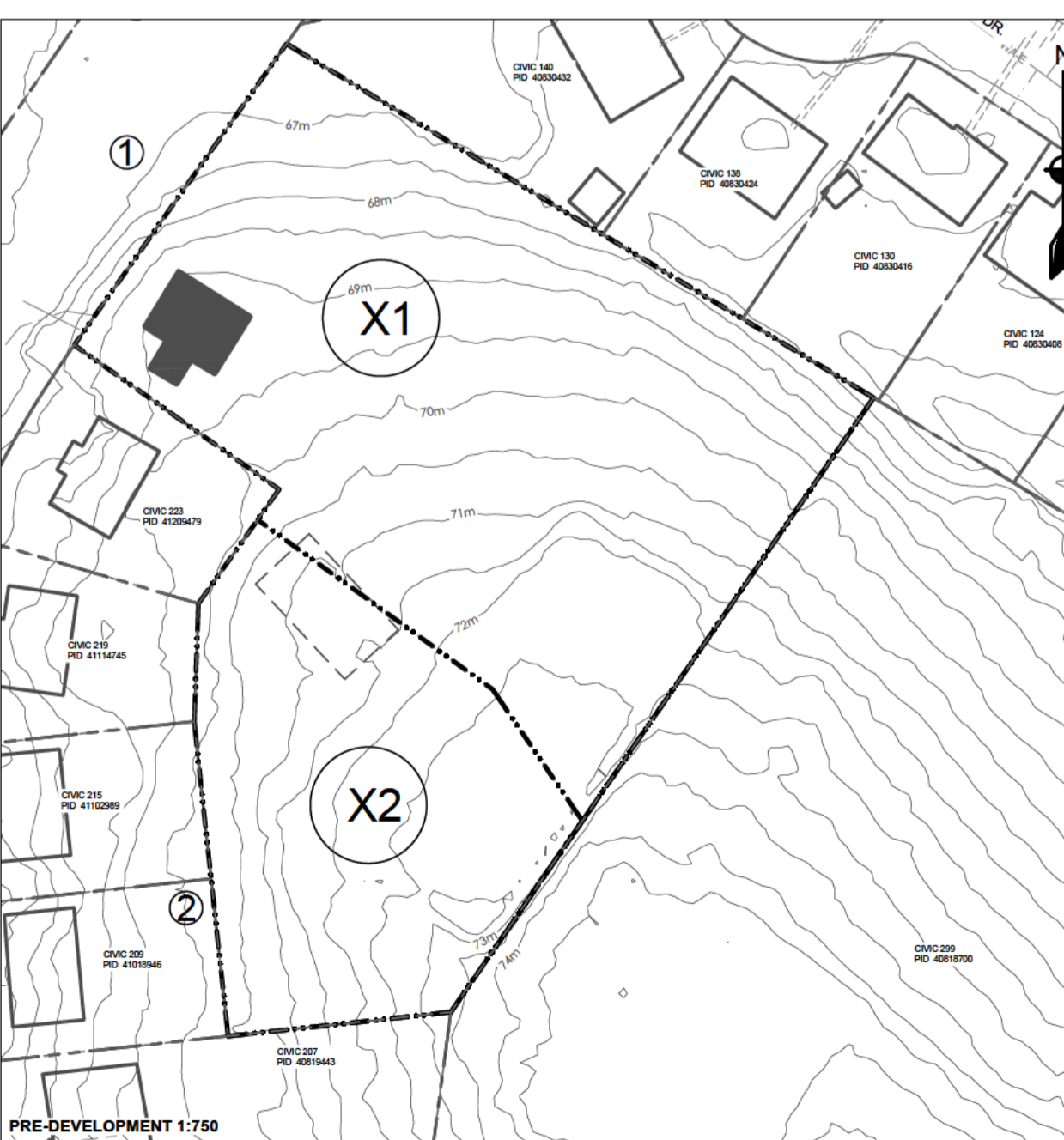
AREA (m <sup>2</sup> )	CN
<b>PRE-DEVELOPMENT</b>	
X1	3886 78
X2	1769 79
<b>POST-DEVELOPMENT</b>	
A1	923 81
A2	1964 94
A3	1028 95
A4	1282 95
B1	139 74
B2	319 74

SITE SURFACE COVERAGE (PRE)		SITE SURFACE COVERAGE (POST)	
SURFACE TYPE	AREA (m <sup>2</sup> )	SURFACE TYPE	AREA (m <sup>2</sup> )
GRAVEL	430	ROOF	1516
ROOF	265	ASPHALT	1285
LANDSCAPING	4960	LANDSCAPING	2874

**NOTE:**  
 1. DESIGN FLOW BASED ON SCS WATERSHED RUNOFF MODEL WITH SYNTHETIC DESIGN STORM AS PER HALIFAX WATER 2023 SPECIFICATIONS. 24 HR RAINFALL DEPTHS AS FOLLOWS:  
 • 5 YEAR RETURN: 124 mm  
 • 10 YEAR RETURN: 145 mm  
 • 25 YEAR RETURN: 169 mm  
 • 50 YEAR RETURN: 188 mm  
 • 100 YEAR RETURN: 204 mm  
 2. MANNING'S 'n' FOR PIPE CAPACITY = 0.013 FOR CONCRETE OR 0.010 FOR PVC

**FLOW COMPARISON**

	Outlet	5 YEAR RETURN (L/s)	10 YEAR RETURN (L/s)	25 YEAR RETURN (L/s)	50 YEAR RETURN (L/s)	100 YEAR RETURN (L/s)
PRE-DEVELOPMENT	1	66	84	106	122	138
	2	26	33	42	48	55
POST-DEVELOPMENT (UNCONTROLLED)	1	112	132	158	176	195
	2	6	8	10	11	13
POST-DEVELOPMENT (CONTROLLED)	1	63	70	80	87	94
	2	6	8	10	11	13



ISSUE	DATE	DESCRIPTION	INT.
1	JUN 26, 2024	ISSUED FOR REVIEW	INT.

**DESIGNPOINT**  
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REGISTERED PROFESSIONAL ENGINEER  
 N.T. FOUGERE  
 9050  
 PROVINCE OF NOVA SCOTIA

CLIENT

**TAYLOR MORRISSEY**

PROJECT DESCRIPTION

**229 BEAVER BANK ROAD**

BEAVER BANK, NOVA SCOTIA  
 SHEET DESCRIPTION

**SERVICING SCHEMATIC**

Drawn M.VANDUYNHOVEN	Engineer N. FOUGERE	Project No. 24-031	Drawing No. C-01
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