



**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

**ISSUE TRACKING**

ISSUE	DATE	DESCRIPTION	INT.
2	AUG 6, 2024	ISSUED FOR REVIEW	
1	JUN 26, 2024	ISSUED FOR REVIEW	

**DESIGNPOINT**  
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902.832.5597 designpoint.ca

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

CLIENT

PROJECT DESCRIPTION

**229 BEAVER BANK ROAD**

BEAVER BANK, NOVA SCOTIA  
SHEET DESCRIPTION

**SERVICING SCHEMATIC**

Drawn M.VANDUYNHOFEN	Engineer N. FOUGERE	Project No. 24-031	Drawing No. <b>C-01</b>
Scale 1:250	Filename 24-031_Base - Stormwater Servicing.dwg	01 of 01	

**SITE SURFACE COVERAGE (PRE)**

SURFACE TYPE	AREA (m <sup>2</sup> )
GRAVEL	430
ROOF	265
LANDSCAPING	4960

**SITE SURFACE COVERAGE (POST)**

SURFACE TYPE	AREA (m <sup>2</sup> )
ROOF	1516
ASPHALT	1285
LANDSCAPING	2874

**NOTE:**

- 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
- 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

