

TSS REMOVAL				
Upstream BMP	Downstream BMP	REMOVAL RATE (%)	TOTAL EFFECTIVE REMOVAL (m ²)	
n/a	Manufactured Treatment unit	85	6001	85%
			6001	85%

SURFACE CLASSIFICATION (SITE ONLY)		
SURFACE	PRE (m ²)	POST (m ²)
CONCRETE/ASPHALT	4045	4427
BUILDING	1443	4032
WOODS or LANDSCAPING	8855	5887

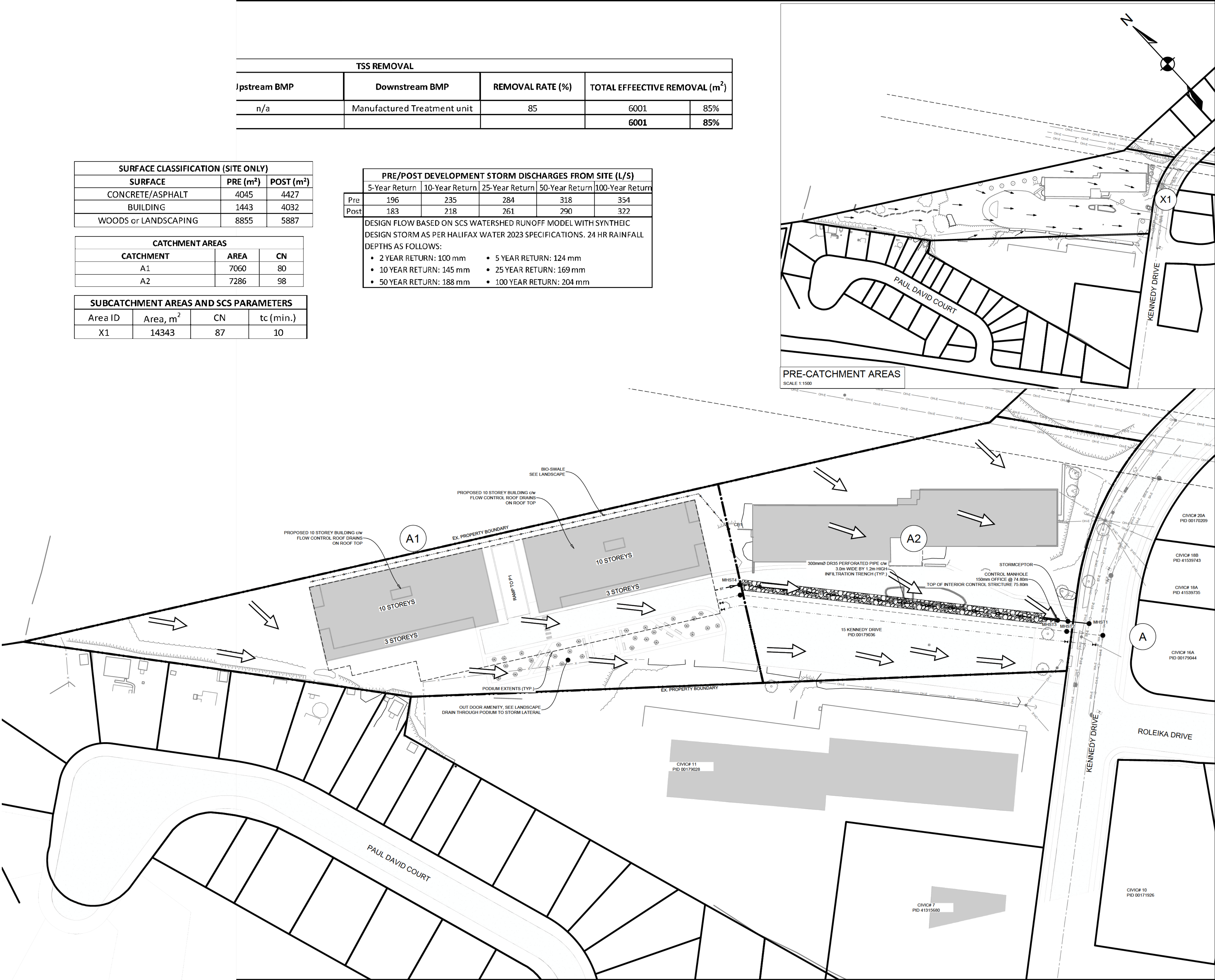
CATCHMENT AREAS		
CATCHMENT	AREA	CN
A1	7060	80
A2	7286	98

SUBCATCHMENT AREAS AND SCS PARAMETERS			
Area ID	Area, m ²	CN	tc (min.)
X1	14343	87	10

PRE/POST DEVELOPMENT STORM DISCHARGES FROM SITE (L/S)					
	5-Year Return	10-Year Return	25-Year Return	50-Year Return	100-Year Return
Pre	196	235	284	318	354
Post	183	218	261	290	322

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

- 2 YEAR RETURN: 100 mm
- 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

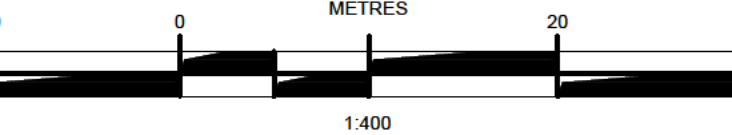


PRE-CATCHMENT AREAS

SCALE 1:1500

LEGEND		
EXISTING		PROPOSED
	VERTICAL PROFILE	
	APPROXIMATE 1 IN 100 YEAR FLOOD LIMIT	100 YR
	EASEMENT	
WAE	WATER PIPE	WA
SAE	SANITARY PIPE	SA
STE	STORM PIPE	ST
	WATER LATERAL	
	SANITARY LATERAL	
	STORM LATERAL	
OHE	OVERHEAD LINE	OH
	SIDEWALK	A
	WALKWAY/A.T. TRAIL	
	GUARDRAIL	
X	FENCELINE	X
	TOP OF SLOPE	
	BOTTOM OF SLOPE	
EXISTING	PROPOSED	EXISTING
CURB CUT/RAMP		AIR RELEASE VALVE
CURBSTOP		WATER VALVE
REDUCER		HYDRANT
PRECAST HEADWALL		CATCHBASIN
STREET SIGN		UTILITY POLE w/ GUY WIRE
STREET TREE		GLB
		URD

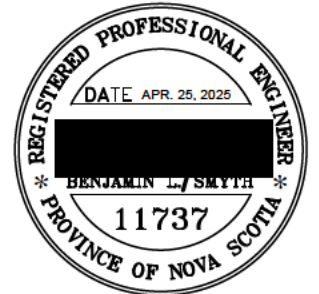
ISSUED FOR REVIEW, NOT FOR CONSTRUCTION



ISSUE	DATE	DESCRIPTION	INT.
4	APR. 25, 2025	ISSUED FOR PERMIT - R2	
3	MAR. 21, 2025	ISSUED FOR PERMIT - R1	
2	OCT. 9, 2024	ISSUED FOR PERMIT	
1	JULY 8, 2024	ISSUED FOR PERMIT	

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CLIENT

PROJECT DESCRIPTION

SERVICING SCHEMATIC

DARTMOUTH, NOVA SCOTIA
SHEET DESCRIPTION

15 KENNEDY DRIVE

Drawn J. BUGTONG	Engineer B. SMYTH	Project No. 24-238	Drawing No. C-02
Scale 1:500	Filename 24-238_SPD.dwg		02 of 02