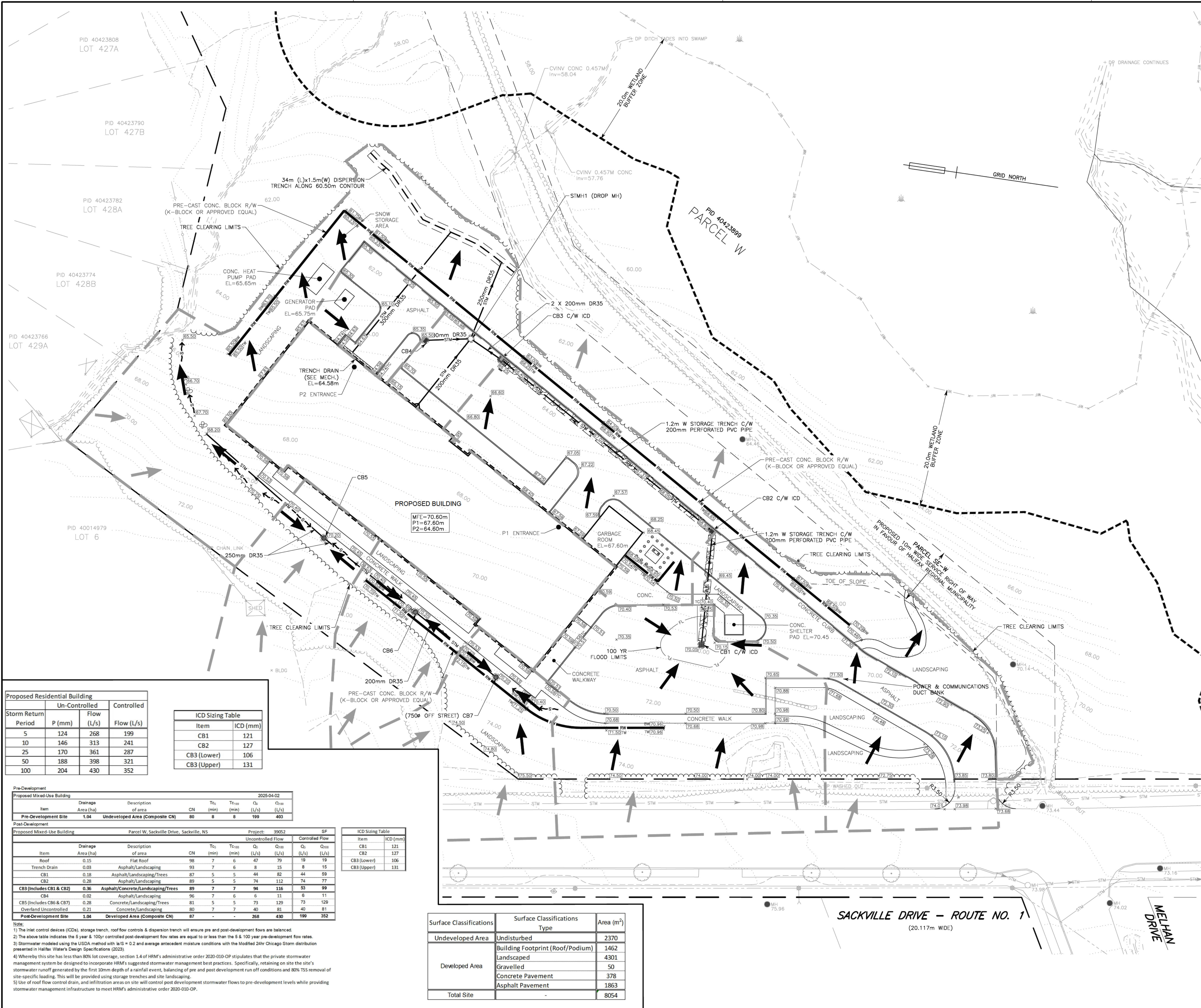




KEY PLAN

LEGEND

EXISTING	PROPOSED
25.0	25.0
CATCH BASIN/PIT	CATCH BASIN/PIT
CULVERT	CULVERT
ROCK LINING/DAM	ROCK LINING/DAM
ROCK WALL/RETAINING WALL	ROCK WALL/RETAINING WALL
POWER POLE & ANCHOR/LIGHT STANDARD	POWER POLE & ANCHOR/LIGHT STANDARD
TREE	TREE
STREET SIGN/PARKING METER	STREET SIGN/PARKING METER
ELEVATION/GRADE	ELEVATION/GRADE
DRAINAGE/SWALE FLOW DIRECTION	DRAINAGE/SWALE FLOW DIRECTION
STORM MAN-HOLE & PIPE	STORM MAN-HOLE & PIPE
100YR. FLOOD LIMIT	100YR. FLOOD LIMIT
SILT FENCE	SILT FENCE
PROPERTY LINE/BOUNDARY	PROPERTY LINE/BOUNDARY
FENCE	FENCE
BUILDING	BUILDING
TOP OF SLOPE	TOP OF SLOPE
TOE OF SLOPE	TOE OF SLOPE
TREELINE	TREELINE
LIMITS OF DISTURBANCE	LIMITS OF DISTURBANCE
GRAVEL PAD (100-150mm STONE)	GRAVEL PAD (100-150mm STONE)
DRAINAGE AREA	DRAINAGE AREA
STORM WATER FLOW ARROW	STORM WATER FLOW ARROW

PROPOSED APARTMENT BUILDING
SACKVILLE DRIVE, PARCEL W
MIDDLE SACKVILLE, NOVA SCOTIA

STORMWATER MANAGEMENT PLAN

Date	March 31, 2025	Drawn	S. SOO	Project No.	FILE NO. 1-14-9 (39052)
Scale	1:300	Engineer	R. LANDRY	Plan No.	
Reference	---	Approved	R. LANDRY	Drawing Name	
Surveyed	SDMM	Sheet		C5	

0m 5 10 20 30m

Proposed Residential Building				
Storm Return Period	Un-Controlled		Controlled	
	P (mm)	Flow (L/s)	Flow (L/s)	Flow (L/s)
5	124	268	199	
10	146	313	241	
25	170	361	287	
50	188	398	321	
100	204	430	352	

ICD Sizing Table	
Item	ICD (mm)
CB1	121
CB2	127
CB3 (Lower)	106
CB3 (Upper)	131

Pre-Development									
Proposed Mixed-Use Building									
Item	Drainage Area (ha)	Description	CN	Tc (min)	Tc100 (min)	Qs (L/s)	Qs100 (L/s)	Qs2 (L/s)	Qs100 (L/s)
Pre-Development Site	1.04	Undeveloped Area (Composite CN)	80	8	8	199	403		

Post-Development									
Proposed Mixed-Use Building									
Item	Drainage Area (ha)	Description	CN	Tc (min)	Tc100 (min)	Qs (L/s)	Qs100 (L/s)	Qs2 (L/s)	Qs100 (L/s)
Roof	0.15	Flat Roof	98	7	6	47	79	19	19
Trench Drain	0.03	Asphalt/Landscaping	99	7	6	5	15	8	15
CB1	0.18	Asphalt/Landscaping/Trees	87	5	5	44	82	44	59
CB2	0.28	Asphalt/Landscaping	89	5	5	74	112	74	77
CB3 (Includes CB1 & CB2)	0.36	Asphalt/Concrete/Landscaping/Trees	89	7	7	94	116	53	99
CB4	0.02	Asphalt/Landscaping	96	7	6	6	11	6	11
CB5 (Includes CB6 & CB7)	0.28	Concrete/Landscaping/Trees	81	5	5	73	129	73	120
Overland Uncontrolled	0.21	Concrete/Landscaping	80	7	7	40	81	40	81
Post-Development Site	1.04	Developed Area (Composite CN)	87	-	-	268	430	199	352

ICD Sizing Table	
Item	ICD (mm)
CB1	121
CB2	127
CB3 (Lower)	106
CB3 (Upper)	131

Surface Classifications	Surface Classifications Type	Area (m²)
Undeveloped Area	Undisturbed	2370
	Building Footprint (Roof/Podium)	1462
	Landscaped	4301
Developed Area	Gravelled	50
	Concrete Pavement	378
	Asphalt Pavement	1863
	Total Site	8054