



STORM DRAINAGE CRITERIA - SCS METHOD

PRE	FLOW TO	FROM POINT	AREAS CONTRIBUTING TO CALCULATE FLOW	AREA (Hectares)	PRELIMINARY ESTIMATED 10YR DESIGN EVENT FLOW (L/s)
PRE	A	(1)	A1, A2	11.25±	930
	B	(2)	B1, B2	55.41±	4600
	C	(3)	C1, C2	10.41±	790
	D	(4)	D1, D2, D3	33.62±	2280
	E	(5)	E1, E2	40.84±	2690
	F	(6)	F1	5.08±	730

POST	FLOW TO	FROM POINT	AREAS CONTRIBUTING TO CALCULATE FLOW	AREA (Hectares)	PRELIMINARY ESTIMATED 10YR DESIGN EVENT FLOW (L/s)
POST	A	(1)	A1, A2	10.79±	1150
	B	(2)	B1, B2, C1	62.00±	8250
	C	(3)	C2	4.76±	350
	D	(4)	D1, D2, D3	27.97±	4050
	E	(5)	E1, E2, E3, E4	44.86±	5950
	F	(6)	F1	5.08±	750
	G	(7)	G1	1.23±	250

- NOTE:
1. SYNTHETIC DESIGN STORM DISTRIBUTIONS BASED ON HALIFAX RAINFALL DATA, OBTAINED FROM ENVIRONMENT CANADA (LATEST EDITION).
24hr = 10yr = 151mm
 2. 2m CONTOURS OBTAINED FROM NOVA SCOTIA PROVINCIAL MAPPING DATABASE.
 3. STORM DRAINAGE DISCHARGE LOCATIONS TO BE DIRECTED TO DISPERSION APRONS & VEGETATED AREAS BEFORE ENTERING NATURAL DRAINAGE CHANNELS OR WATER BODIES.
 4. CULVERT SIZES & DRAINAGE PATTERNS TO BE DETERMINED DURING DETAILED DESIGN AND ARE SUBJECT TO CHANGE AS REQUIRED.
 5. PRE/POST ANALYSIS ONLY CONSIDERS THE SUBJECT LANDS WITHIN WINDGATE VILLAGE. FINAL STORMWATER DESIGN TO BE COMPLETED DURING THE DESIGN PHASE OF THE DEVELOPMENT AND SHALL CONSIDER OFF-SITE CONTRIBUTIONS TO FLOW. FINAL DESIGN SHALL INCLUDE STORM WATER DESIGN REPORT FOR SUBDIVISION DEVELOPMENT.
 6. DITCHES SHALL BE DESIGNED TO CARRY THE 1:100 YEAR STORM.
 7. DRIVEWAY CULVERTS SHALL BE DESIGNED TO CARRY THE 1:10 YEAR STORM.
 8. CROSS CULVERTS SHALL BE DESIGNED TO CARRY THE 1:10 YEAR STORM.

WSP Canada Inc.
1 Spectacle Lake Drive
Dartmouth, Nova Scotia, Canada B3B 1X7
T 902-635-9955 F 902-635-1645 www.wsp.com

SEA:

KEY PLAN:

DRAINAGE AREA (PRE)	
DRAINAGE AREA (POST)	
FLOW ARROW (PRE)	
FLOW ARROW (POST)	
FLOW FROM POINT	(X1)
FLOW TO POINT	(A)
DRAINAGE AREA	(A1)

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REVISION:		DATE: (YYYY/MM/DD)	
2	2020/03/12	REVISED & REISSUED FOR D.A.	2015/02/26
1	2015/03/26	ISSUED FOR DEVELOPMENT AGREEMENT	
0	2015/02/26	ISSUED FOR REVIEW	
NO. DATE	YYYY/MM/DD	DESCRIPTION	
PROJECT NO:	141-24579-01	DATE: (YYYY/MM/DD)	2015/02/26
ORIGINAL SCALE:	1:3000	IF THIS BAR IS NOT 20mm LONG, ADJUST YOUR PLOTTING SCALE.	
DESIGNED BY:	K. O'LEARY, P.ENG.		
DRAWN BY:	C. LUTZ, C.E.T.		
CHECKED BY:	K. O'LEARY, P.ENG.		
SCALE: 1:3000 METRIC			

MARQUE INVESTMENTS LTD.

WINDGATE VILLAGE
OPEN SPACE DEVELOPMENT
BEAVERBANK, NS

PRELIMINARY STORMWATER
MANAGEMENT PLAN
FOR DEVELOPMENT AGREEMENT

SHEET NUMBER:	1
SHEET #	1 OF 1
REVISED & REISSUED FOR D.A.	2
DATE OF: 2020/03/12	