

# City of Pickering

**SCHAEFFER & ASSOCIATES LTD**

6 Ronrose Drive  
 Concord, Ontario L4K 4R3

SHEET:  
 PREPARED BY: TA  
 CHECKED BY: HS  
 DATE: March 9, 2022  
 FILE NO.: 2019-4803

## STORM SEWER DESIGN SHEET

PRIVATE ROAD STREET B  
 SMARTCENTRES

10 MIN. ENTRY TIME - 5 Year Frequency

LOCATION	MANHOLE		Area A (ha)	Runoff Factor R	Sec. A x R	ACCUM. A x R	Rainfall Intensity (mm/hr)	Flow Q (m <sup>3</sup> /s)	#REF!					Sec. Time (min)	Total Time (min)	Remarks
	From	To							Pipe Dia (mm)	Grade (%)	Capacity (m <sup>3</sup> /s)	Vel. (m/s)	Length (m)			
	MH	MH														
5 Year proposed														10.00		
const fow from phase 1							0.040	300	0.30	0.053	0.75	7.00	0.16			
Proposed	5	4	0.00	0.90	0.00	0.00	106.31	0.040	300	0.30	0.053	0.75	11.00	0.24	10.00	
	4	2	0.44	0.90	0.40	0.40	106.31	0.157	525	0.30	0.236	1.09	78.70	1.21	11.21	
	2	1B	0.01	0.90	0.01	0.41	106.31	0.160	525	0.50	0.304	1.40	6.00	0.07	11.28	
const.fow from phase 2							0.082									
	1B	1	0.04	0.90	0.04	0.44	99.70	0.244	525	0.50	0.304	1.40	15.00	0.18	11.45	
						0.44										