PROJECT TITLE:	Elm Road																		ENG	SINEER'S	S SEAL		PREPARED BY:											
PROJECT No.:	10:228				STORM SEWER DESIGN SHEET 5 and 100 YEAR STORMS TOWN OF WHITCHURCH-STOUFFVILLE - REGION OF YORK																													
CLIENT:	Madori Limited																																	
SSUED FOR:	2nd Submission	- July 2025																																
NOTES, STANDARDS	AND DESIGN INPUT P	ARAMETER	RS																															
Captured Overland Flow = Q(100yr) - Q(5yr)					IDF Param	neters:			Formula:											c dimensions, therefore, the pipe diameter stated is used to														
nlet Time (mins):	,,	10.00			Storm:	Α	В	С	I _{VR} =	A											factured in impe													
Run-off Coefficients:	Park/Open Space		0.20		5 - Year	1015.96	5.255	0.826		(t + B)C	-						mperial equ	ivalent sizes	for the dia	meter stated	have been used	to calculate										CARC	NUDINI IZIAA	01.5
	Single Family		0.65		25 - Year	1546.81		0.845	where;	` /=					capacity and	velocity.															SK	A SABO	OURIN KIMI SOCIATES I	抬
	Townhouses		0.75		100 - Year			0.860	,	t=																						CONSU	JLTING ENGIN	EERS
	Institutional		0.75							-																								
	Commercial/Asp	halt	0.90																															
	Other (if applical		0.76																															
		,																																
Design Storm Return F	Period Run-off Coefficie	ent Modificat	tion Factor																															
	5	1.00																																
	25	1.10																																
	100	1.25																																
																							-											
PROPERTY	STRE	ET	Upstream	Downstream	Α .	Α .	A	Α	Α	A Other -	AxR	Acc. AR	t	I (5yr)	Q (5yr)	I (25yr)	Q (25yr)	I (100yr)	2 (100yr)	Captured	Acc.	0/4	Q OTTSWMM	Type	Pipe Gr	ade Capa	city Le	ength Vel		own- C	Change	Time Total	Time Cap	acity
			Manhole	Manhole	Park/ Open	Single	Multi- Family Res.	Institutional	Commercia	Specified	This Section	(ha)	(min)	(mm/hr)	41-1	(mm/hr)	(11-)	(mm/hr)		Overland	Captured Overland	(l/s)	for HGL		(()		ream locity V	/elocity (min) (m		
			wannoie	wannoie	Space (ha)	(ha)	(ha)	(ha)	I/ Asphalt (ha)	Above	(ha)	(na)	(min)	(mm/nr)	(I/s)	(mm/nr)	(I/s)	(mm/nr)	(I/s)	Flow (I/s)	Flow (I/s)	(1/5)	(I/s)		(mm) (%) (I/s	, ,	(m) (n			(m/s)	min) (m	iin) (%)
					+	()	()		()	(ha)					-	_			_				()			_	_	_	,		(1120)			
				_																			-											
			1	2	-	-	0.07				0.053					150.60		186.74	27.23		0.00	15.60		PVC	000		6.70		1.37	0.97				6%
			2	3	1	1	0.18				0.135	0.188	10.18	105.95		149.14	77.68	184.95	96.33		0.00	55.18		PVC	000	2.00	8.38		0.97	1.12	0.16	0.00		1%
			3	4			0.02				0.015		11.15			141.91		176.09	99.05		0.00	56.69		PVC			3.98		1.12	1.12	0.00			6%
			4	Ex			0.01				0.008	0.210	11.31	99.97	58.32	140.78	82.12	174.70	101.91		0.00	58.32		PVC	375	0.50 12	3.98	17.0	1.12 N/A	١		0.25	11.56 4	7%
	TOTAL TRI	BUTARY AF	REA		0.00	0.00	0.28	0.00	0.00	0.00	0.210	1														1								

ENGINEER'S SEAL