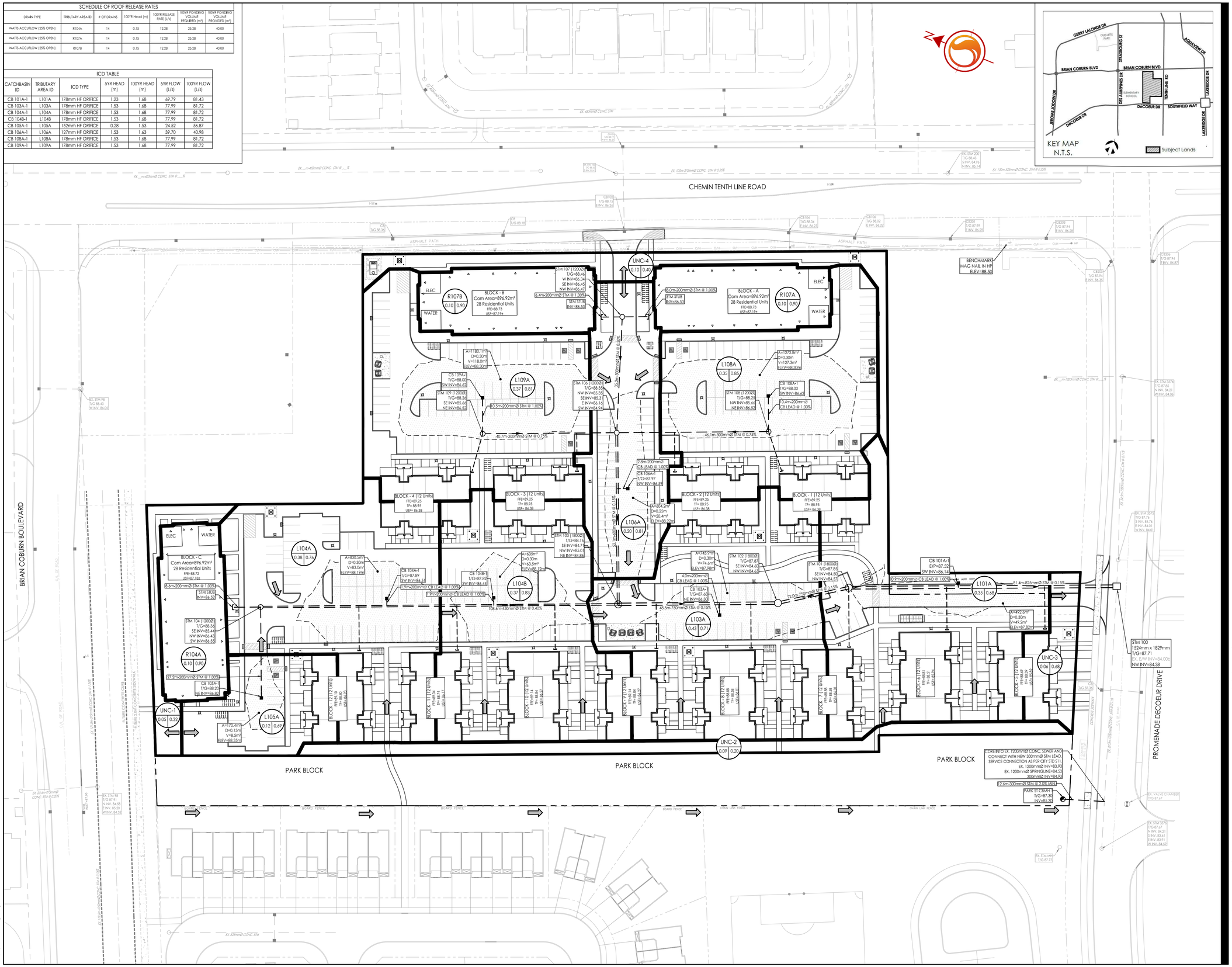
SCHEDULE OF ROOF RELEASE RATES

DRAIN TYPE	TRIBUTARY AREA ID	# OF DRAINS	100YR Head (m)	100YR RELEASE RATE (L/s)	100YR PONDING VOLUME REQUIRED (m³)	100YR PONDING VOLUME PROVIDED (m³)
WATTS ACCUFLOW (25% OPEN)	R104A	14	0.15	12.28	25.28	40.00
WATTS ACCUFLOW (25% OPEN)	R107A	14	0.15	12.28	25.28	40.00
WATTS ACCUFLOW (25% OPEN)	R107B	14	0.15	12.28	25.28	40.00

ICD TABLE

CATCHBASIN ID	TRIBUTARY AREA ID	ICD TYPE	5YR HEAD (m)	100YR HEAD (m)	5YR FLOW (L/s)	100YR FLOW (L/s)
CB 101A-1	L101A	178mm HF ORIFICE	1.23	1.68	69.79	81.43
CB 103A-1	L103A	178mm HF ORIFICE	1.53	1.68	77.99	81.72
CB 104A-1	L104A	178mm HF ORIFICE	1.53	1.68	77.99	81.72
CB 104B-1	L104B	178mm HF ORIFICE	1.53	1.68	77.99	81.72
CB 105A-1	L105A	152mm HF ORIFICE	0.28	1.53	24.52	56.87
CB 106A-1	L106A	127mm HF ORIFICE	1.53	1.63	39.70	40.98
CB 108A-1	L108A	178mm HF ORIFICE	1.53	1.68	77.99	81.72
CB 109A-1	L109A	178mm HF ORIFICE	1.53	1.68	77.99	81.72



Stantec

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Legend

- AREA ID
- RUNOFF COEFFICIENT
- STORM DRAINAGE AREA ha.
- STORM DRAINAGE BOUNDARY
- DIRECTION OF OVERLAND FLOW
- DIRECTION OF EMERGENCY OVERLAND FLOW
- PROPOSED STORM MH AND SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED WATTS FD-530 (OR EQUIVALENT) TO BE CONNECTED TO INTERNAL STORM SEWER PLUMBING.
- EXISTING STORM MH AND SEWER
- EXISTING CATCHBASIN
- THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 1.5m. THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4m AS PER W22.
- MAXIMUM STATIC PONDING LIMITS

Notes

4	REVISED AS PER SITE PLAN	MJS	KS	23.03.28
3	REVISED AS PER CITY COMMENTS/SITE PLAN	MJS	KS	23.02.27
2	REVISED AS PER NEW SITE PLAN	MJS	DT	22.12.05
1	REVISED AS PER SITE PLAN	MJS	DT	22.09.27
0	ISSUED FOR SPA	MJS	DT	21.12.13
Revision		By	Appd.	YY.MM.DD

File Name: 160401710D8	MJS	DT	MJS	21.11.22
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
K.L. SMADELLA
2023-03-28
PROVINCE OF ONTARIO

Client/Project

MATTAMY HOMES LTD.

ORLEANS DECOEUR RESIDENTIAL DEVELOPMENT
2370 TENTH LINE ROAD
OTTAWA, ON, CANADA

Title

STORM DRAINAGE AREA PLAN

Project No.	Scale	Revision
160401710	1:500 (0 5 15 25m)	
Drawing No.	Sheet	
SD-1	6 of 7	4

PLAN No. 18668

D07-12-21-0224

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2023/03/28 11:10 AM By: Sharp, Mike

ORIGINAL SHEET - ARCH D