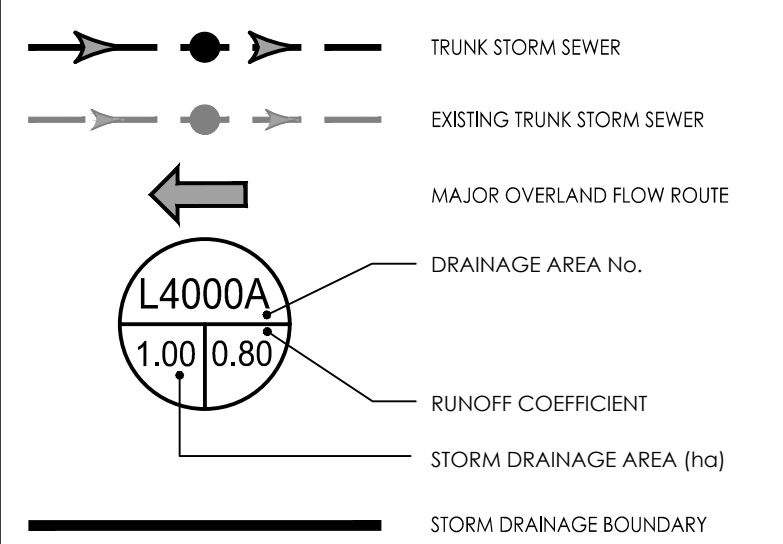


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Legend



Notes

- TWO OGS SYSTEMS ARE PROPOSED TO TREAT RUNOFF FROM THE SITE. OGS 1 (JFO6) IS TO BE LOCATED IN CATCHMENT AREA C109A TREATING RUNOFF FROM THE COLLECTOR ROAD PRIOR TO DISCHARGING TO THE CREEK. OGS 2 (JFO12) IS TO BE LOCATED UPSTREAM OF THE DRY POND RESTRICTED OUTLET.

Revision	By	Appd.	YY.MM.DD
3	MJS	NC	24.02.29
2	MJS	NC	23.04.19
1	MJS	NC	22.03.28
0	MJS	TR	21.09.22

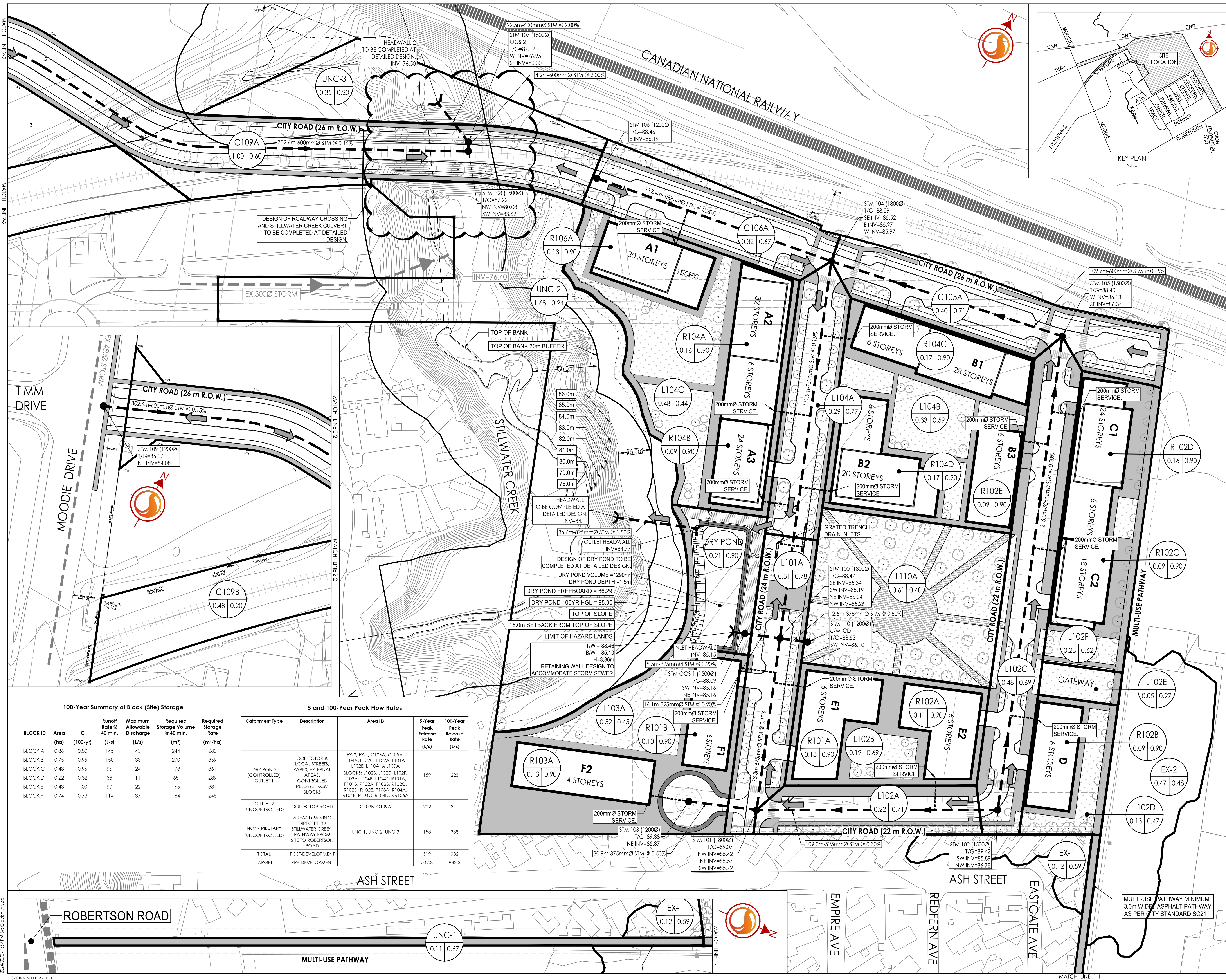
File Name:	MJS	KK	MJS	21.09.10
160401686 DB Draft Level				

Permit-Seal	MJS	KK	MJS	21.09.10

Client/Project
THE PROPERTIES GROUP
MANAGEMENT LTD.
STILLWATER STATION
1987 ROBERTSON ROAD
OTTAWA, ON, CANADA

Title
STORM SEWER NETWORK AND
DRAINAGE PLAN

Project No.	Scale	0	7.5	22.5	37.5m
160401686	1:750				
Drawing No.	Sheet	Revision			
STM-1	2 of 5	3			



100-Year Summary of Block (Site) Storage

BLOCK ID	Area (ha)	C (100-yr)	Runoff Rate @ 40 min (L/s)	Maximum Allowable Discharge (L/s)	Required Storage Volume @ 40 min (m³)	Required Storage Rate (m³/ha)
BLOCK A	0.86	0.80	145	43	244	283
BLOCK B	0.75	0.95	150	38	270	359
BLOCK C	0.48	0.96	96	24	173	361
BLOCK D	0.22	0.82	38	11	65	289
BLOCK E	0.43	1.00	90	22	165	381
BLOCK F	0.74	0.73	114	37	184	248

5 and 100-Year Peak Flow Rates

Catchment Type	Description	Area ID	5-Year Peak Release Rate (L/s)	100-Year Peak Release Rate (L/s)
DRY POND (CONTROLLED) OUTLET 1	COLLECTOR & LOCAL STREETS, PARKS, EXTERNAL AREAS, CONTROLLED RELEASE FROM BLOCKS	EX-2, EX-1, C106A, C105A, L104A, L102C, L102A, L101A, L102E, L110A, & L100A	159	223
OUTLET 2 (UNCONTROLLED)	COLLECTOR ROAD	C109B, C109A	202	371
NON-TRIBUTARY (UNCONTROLLED)	AREAS DRAINING DIRECTLY TO STILLWATER CREEK, PATHWAY FROM SITE TO ROBERTSON ROAD	UNC-1, UNC-2, UNC-3	158	338
TOTAL	POST-DEVELOPMENT		519	932
TARGET	PRE-DEVELOPMENT		547.3	932.3

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 ORIGINAL SHEET - ARCH-D