

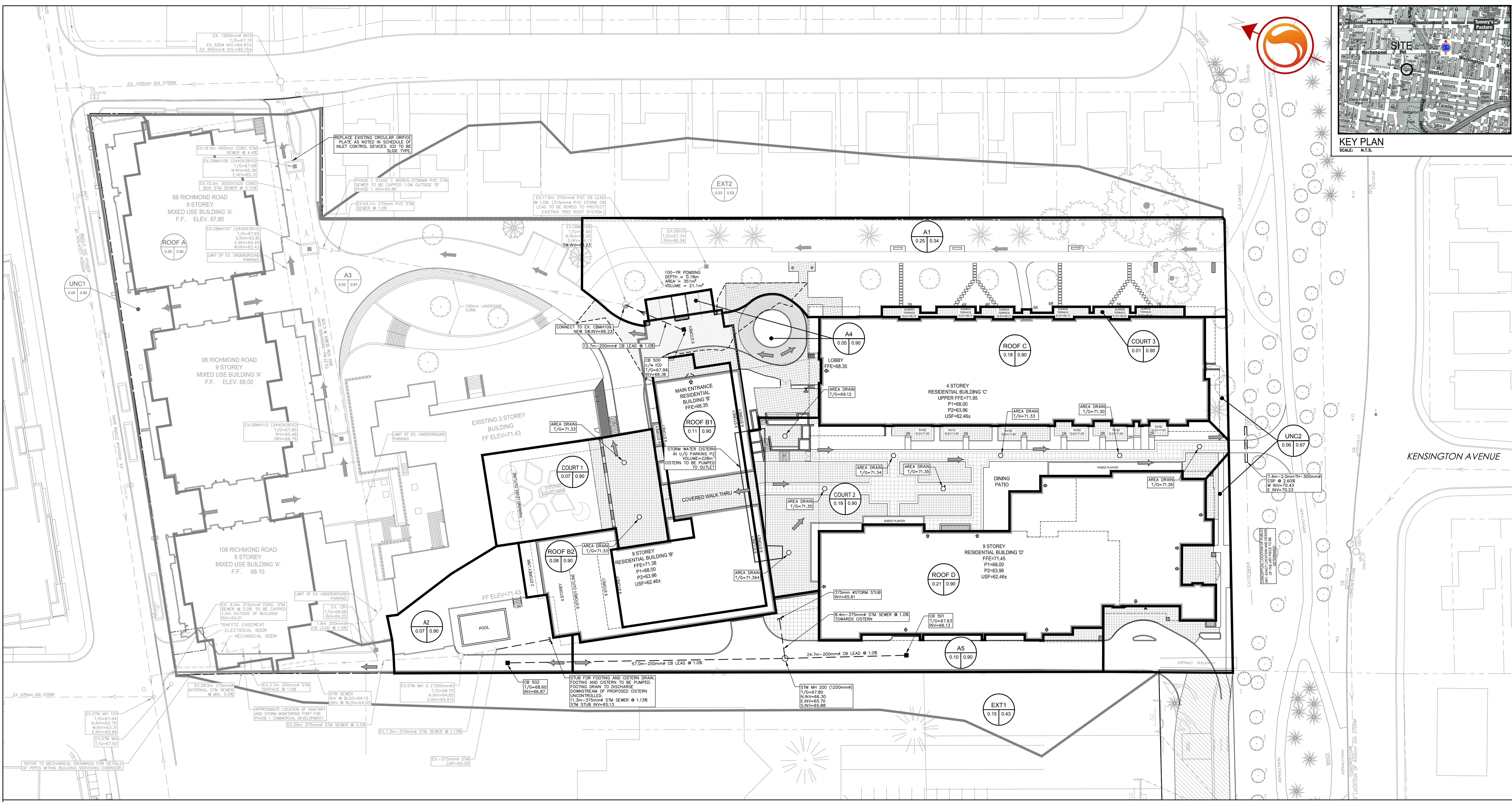
KEY PLAN
SCALE: N.T.S.

Legend

- AREA ID
- RUNOFF COEFFICIENT
- STORM DRAINAGE AREA No.
- STORM DRAINAGE BOUNDARY
- AREA ID
- RUNOFF COEFFICIENT
- STORM DRAINAGE AREA No.
- STORM DRAINAGE BOUNDARY
- MAXIMUM PONDING LIMITS
- DIRECTION OF OVERLAND FLOW
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED AREA DRAIN ON TOP OF PARKING DECK
- THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 1.5m THERMAL INSULATION ON WATERMAN WHERE COVER IS LESS THAN 2.4m AS PER W22
- EXISTING STORM SEWER
- EXISTING CATCHBASIN MANHOLE
- EXISTING CATCHBASIN

Notes

1. ALL AREA DRAIN ON TOP OF PARKING DECK (AREAS COURT1-3) TO BE CONNECTED TO INTERNAL PLUMBING AND DIRECTED TO STORAGE CISTERN.
2. ROOF DRAINS WITH AREA ROOFS TO BE UNCONTROLLED AT ROOF LEVEL AND DIRECTED TO STORAGE CISTERN.
3. CONTROLLED ROOF DRAINS WITH ROOF AREAS FOR BUILDINGS B, C, D TO BE DIRECTED TO STORAGE CISTERN.
4. CISTERN TO BE PUMPED AT THE MAXIMUM RATE SPECIFIED ON THE SCHEDULE OF INLET CONTROL DEVICES.



AREA ID	STRUCTURE ID	100 YEAR PONDING ELEVATION (m)	INVERT ELEVATION (m)	MAX HEAD (m)	RELEASE RATE (L/s)	ORIFICE
A4	CB 500	68.17	66.36	1.36	5.8	IPEX TEMPEST LMF 75
A1, A3, EXT2	CBMH 106	66.81	65.31	1.50	47.4	135mm CIRCULAR ORIFICE
COURT1, B2, A2, A5, EXT1	CISTERN	(PUMPED)	65.13	(PUMPED)	44.0	(PUMPED)

DRAINAGE AREA ID	DEPTH (mm)	ROOF DRAIN TYPE	No. OF ROOF DRAINS	100 YEAR RELEASE RATE (L/s)	STORAGE VOLUME (m ³)
ROOF A	27	EXISTING	-	17.4	83.6
ROOF B1	147	WATTS 'ACCUTROL'	6	5.6	41.8
ROOF C	145	WATTS 'ACCUTROL'	11	10.2	65.7
ROOF D	146	WATTS 'ACCUTROL'	12	11.2	78.4

Revision	By	App'd	Date
1	ISSUED FOR REVIEW	M.S.	DT
			19.04.01

Permit-Seal

Client/Project
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Q-WEST PHASE 2
 OTTAWA, ON, CANADA

Title
STORM DRAINAGE AREA PLAN

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