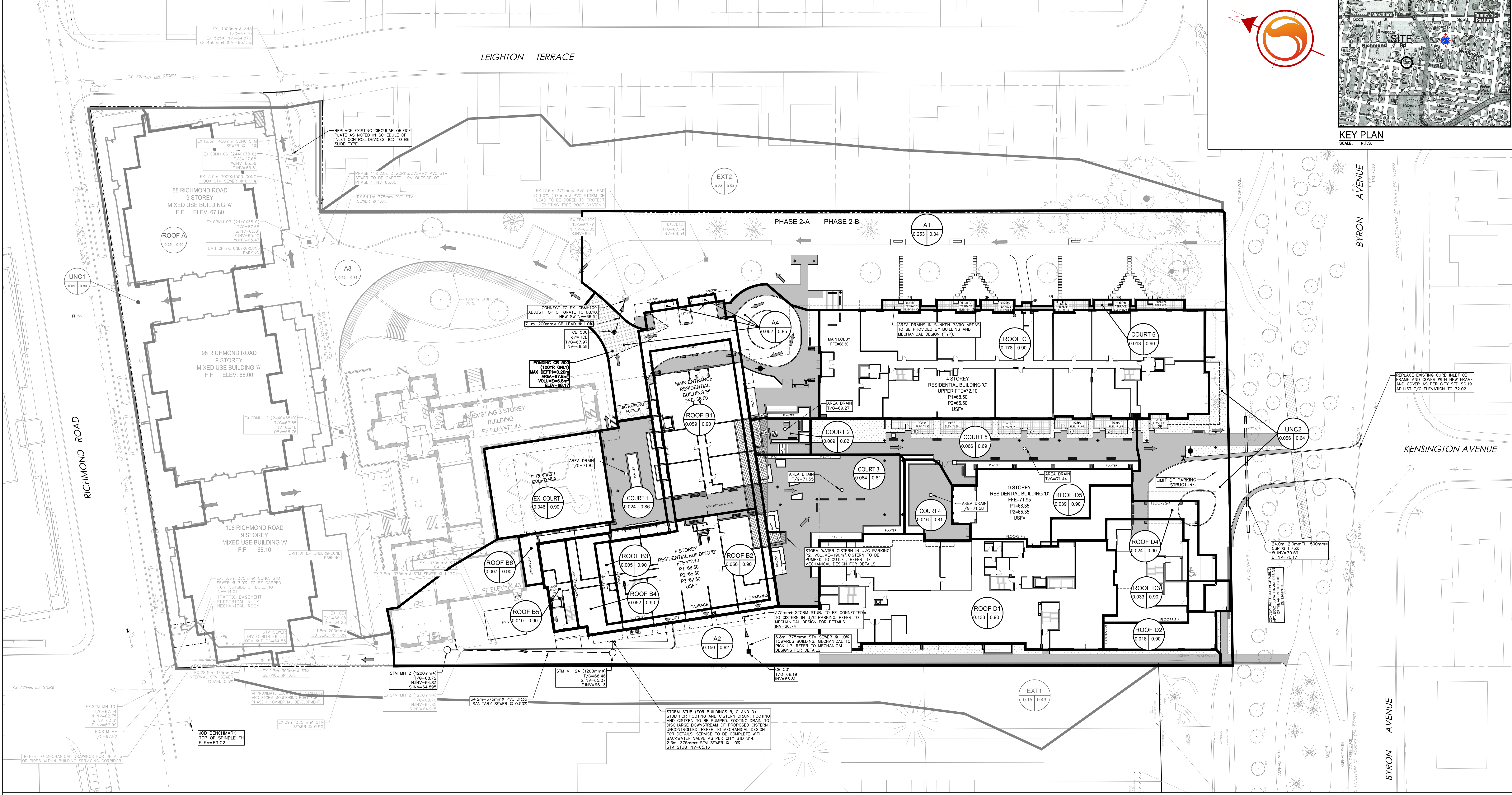


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Legend

- F100A AREA ID
- RINF0 COEFFICIENT
- STORM DRAINAGE AREA No.
- STORM DRAINAGE BOUNDARY
- F100A EX. AREA ID
- RINF0 EX. COEFFICIENT
- EX. STORM DRAINAGE AREA No.
- EX. STORM DRAINAGE BOUNDARY
- MAXIMUM PONDING UNITS
- 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 RESISTANCE ON WATER MAIN WHERE COVER IS LESS THAN 2.4m AS PER W22
- EXISTING STORM SEWER
- EXISTING CATCHBASIN MANHOLE
- EXISTING CATCHBASIN

- Notes**
- ALL AREA DRAINS ON TOP OF PARKING DECK (AREAS COURT1-3) TO BE CONNECTED TO INTERNAL PLUMBING AND DIRECTED TO STORAGE CISTERN.
 - ROOF DRAINS WITHIN AREA ROOFS TO BE UNCONTROLLED AT ROOF LEVEL AND DIRECTED TO STORAGE CISTERN.
 - CONTROLLED ROOF DRAINS WITHIN ROOF AREAS FOR BUILDINGS B, C, D TO BE DIRECTED TO STORAGE CISTERN.
 - CISTERN TO BE PUMPED AT THE MAXIMUM RATE SPECIFIED ON THE SCHEDULE OF INLET CONTROL DEVICES.
 - SITE BENCH MARK TOP OF SPINDLE EX. FIRE HYDRANT, SOUTH SIDE OF RICHMOND ROAD, NORTH WEST OF SUBJECT PROPERTY. TOP OF SPINDLE GEODESIC ELEVATION = 69.00m
 - ALL STANDARDS QUOTED ON THE PLANS ARE CURRENT AS PER CITY OF OTTAWA AND PROVINCE OF ONTARIO STANDARDS AND REGULATIONS.



SCHEDULE OF ROOF RELEASE RATES

AREA ID	DEPTH (mm)	DRAIN TYPE	# OF DRAINS	100YR RELEASE RATE (L/s)	STORAGE VOLUME (m ³)
ROOF A	-	EXISTING	-	17.4	83.6
ROOF B1	148	WATTS ACCUFLOW (25% OPEN)	3	2.8	23.0
ROOF B2	150	WATTS ACCUFLOW (50% OPEN)	2	2.5	22.3
ROOF B3	-	NO ROOF CONTROLS	-	-	-
ROOF B4	-	NO ROOF CONTROLS	-	-	-
ROOF B5	-	NO ROOF CONTROLS	-	-	-
ROOF C	148	WATTS ACCUFLOW (50% OPEN)	7	8.7	68.7
ROOF D1	149	WATTS ACCUFLOW (50% OPEN)	5	6.3	52.1
ROOF D2	-	NO ROOF CONTROLS	-	-	-
ROOF D3	145	WATTS ACCUFLOW (25% OPEN)	2	1.9	12.1
ROOF D4	-	NO ROOF CONTROLS	-	-	-
ROOF D5	148	WATTS ACCUFLOW (25% OPEN)	2	17.4	83.6

ICD SCHEDULE

AREA ID	STRUCTURE ID	100Y PONDING ELEV. (m)	INVERT ELEV. (m)	MAX HEAD (m)	RELEASE RATE (L/s)	ORIFICE TYPE
A4	CB 500	62.17	66.59	1.19	19.6	IPEX TEMPEST HF (65mm)
A1, A3, EXT2	CBMH 106	66.98	65.31	1.67	46.3	130mm ORIFICE
COURT, B3-6, A2, D2, D4	CISTERN	-	65.13	-	50.0	PUMPED

Revision

Rev	Description	By	App'd	Date
3	REVISED AS PER ITR PLAN	M.S.	DT	2020/06/10
2	REVISED FOR CITY COMMENTS	M.S.	DT	2020/05/20
1	ISSUED FOR REVIEW	M.S.	DT	19/04/20

Permit/Seal

Client/Project
ASHCROFT HOMES
 18 ANDRES DRIVE, OTTAWA, ON, K2E 1A9
 PH: 613-226-7266

Q-WEST PHASE 2
 OTTAWA, ON, CANADA

Title
STORM DRAINAGE AREA PLAN

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