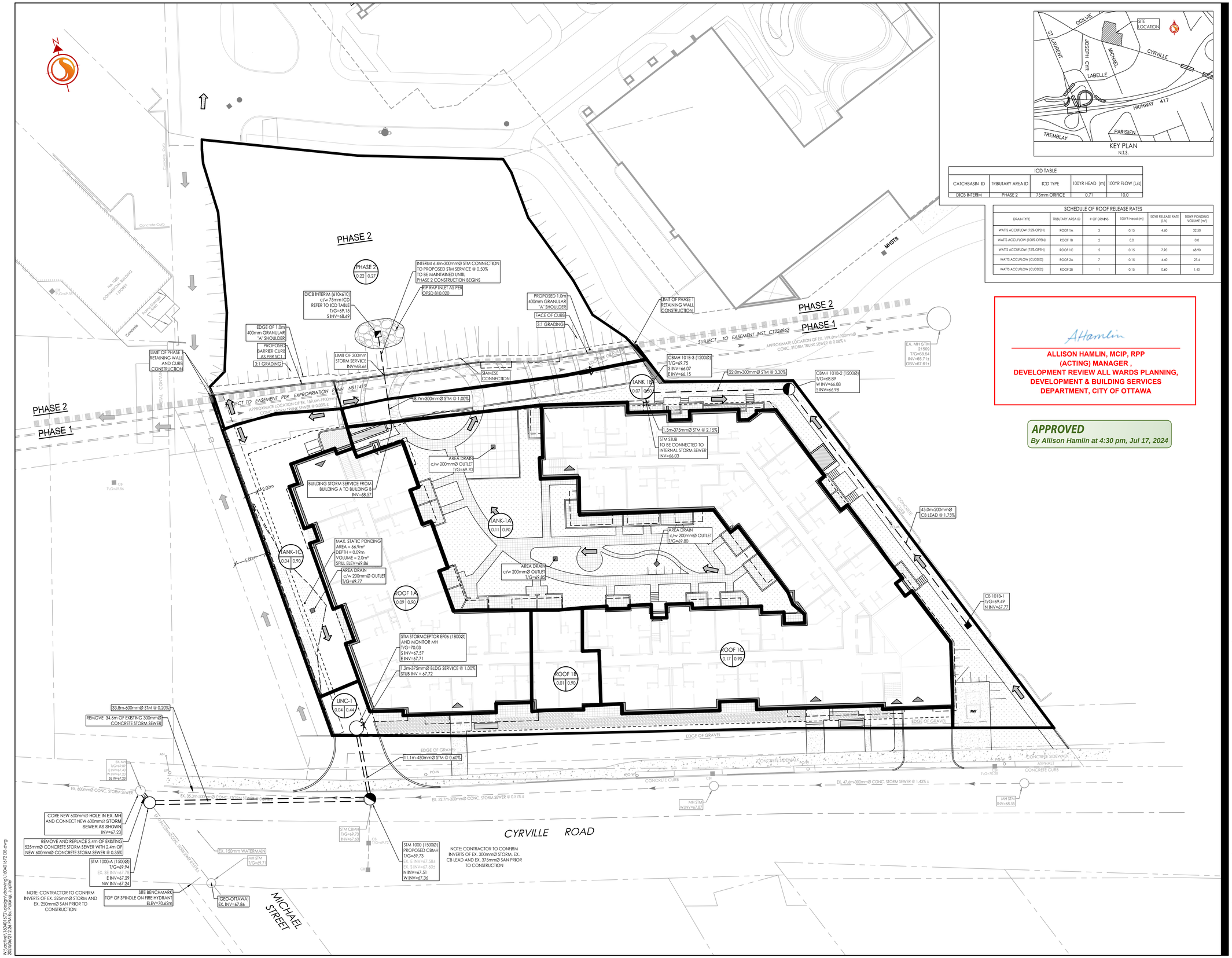

KEY PLAN
N.T.S.

ICD TABLE				
CATCHBASIN ID	TRIBUTARY AREA ID	ICD TYPE	100YR HEAD (m)	100YR FLOW (L/s)
DICB INTERIM	PHASE 2	75mm ORIFICE	0.71	10.0

SCHEDULE OF ROOF RELEASE RATES

DRAIN TYPE	TRIBUTARY AREA ID	# OF DRAINS	100YR Head (m)	100YR RELEASE RATE (L/s)	100YR PONDING VOLUME (m³)
WATTS ACCUFLOW (75% OPEN)	ROOF 1A	3	0.15	4.60	32.50
WATTS ACCUFLOW (100% OPEN)	ROOF 1B	2	0.0		0.0
WATTS ACCUFLOW (75% OPEN)	ROOF 1C	5	0.15	7.90	68.90
WATTS ACCUFLOW (CLOSED)	ROOF 2A	7	0.15	4.40	27.4
WATTS ACCUFLOW (CLOSED)	ROOF 2B	1	0.15	0.60	1.40

ALLISON HAMLIN, MCIP, RPP
(ACTING) MANAGER ,
DEVELOPMENT REVIEW ALL WARDS PLANNING,
DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By Allison Hamlin at 4:30 pm, Jul 17, 2024

Stantec

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Legend

- L101A / 1.00 | 0.85 — 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
- 5YR AND 100YR PONDING LIMITS

Notes

1. INTERNAL PLUMBING AND SUMP PUMPS TO BE DESIGNED BY THE MECHANICAL CONSULTANT.
2. THE INTERNAL PLUMBING IN BUILDING A TO ACCOMMODATE THE INDEPENDENT CONNECTIONS OF BUILDING B TO THE SANITARY, WATER AND STORM SERVICE STUBS AT BUILDING A.
3. STORMWATER MANAGEMENT TO BE PROVIDED THROUGH A CISTERN IN EACH BUILDING. CISTERN TO BE LOCATED IN THE ASSOCIATED UNDERGROUND PARKING.
   - BUILDING 1 CISTERN A = 45.0m³ AND RELEASE RATE 32L/s PUMP RATE
   - BUILDING 2 CISTERN B = 40.0m³ AND RELEASE RATE 10L/s PUMP RATE
   - TOTAL PERMITTED RELEASE RATE FROM SITE = 72.6 L/S
   - TOTAL POST DEVELOPMENT RELEASE RATE FROM SITE= 72.3 L/S (100 YR)

Revision		By	Appd.	YY.MM.DD
14	REVISED PER CITY COMMENT	JP	P.M	24.06.20
13	REVISED PER CITY COMMENT	JP	P.M	24.05.24
12	REVISED PER CITY COMMENT	JP	P.M	24.05.06
11	ISSUED FOR SPA	JP	P.M	24.04.19
10	ISSUED FOR SPA	JP	P.M	24.04.09
9	ISSUED FOR SPA	JP	P.M	24.02.01
8	ISSUED FOR SPA	JP	P.M	24.01.26
7	ISSUED FOR SPA	JP	P.M	23.12.22
6	ISSUED FOR SPA	JP	P.M	23.11.29
5	ISSUED FOR SPA	JP	DT/PM	23.10.08
4	ISSUED FOR SPA	JP	DT	23.09.01
3	ISSUED FOR SPA	JP	DT	23.02.27
2	ISSUED FOR SPA	JP	DT	22.11.29
1	ISSUED FOR SPA	JP	DT	22.05.25
0	ISSUED FOR SPA	MJS	DT	21.11.22

File Name: 160401672 DB	MJS	DT	MJS	21.09.22
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
P.MOROZ
90493552
2024-06-21
PROVINCE OF ONTARIO

Client/Project
WESTRICH PACIFIC CORP.

MULTI-FAMILY RESIDENTIAL DEVELOPMENT
1125-1149 CYRVILLE ROAD
OTTAWA, ON, CANADA

Title
STORM DRAINAGE AREA PLAN
PHASE 1

Project No.	Scale	Drawing No.	Sheet	Revision
160401672	1:250 (0, 2.5, 7.5, 12.5m)	SD-1	6 of 10	14

DWG# 18599

D07-12-21-0214

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2024/06/21 2:26 PM By: Padraig Joyce
ORIGINAL SHEET - ARCH D