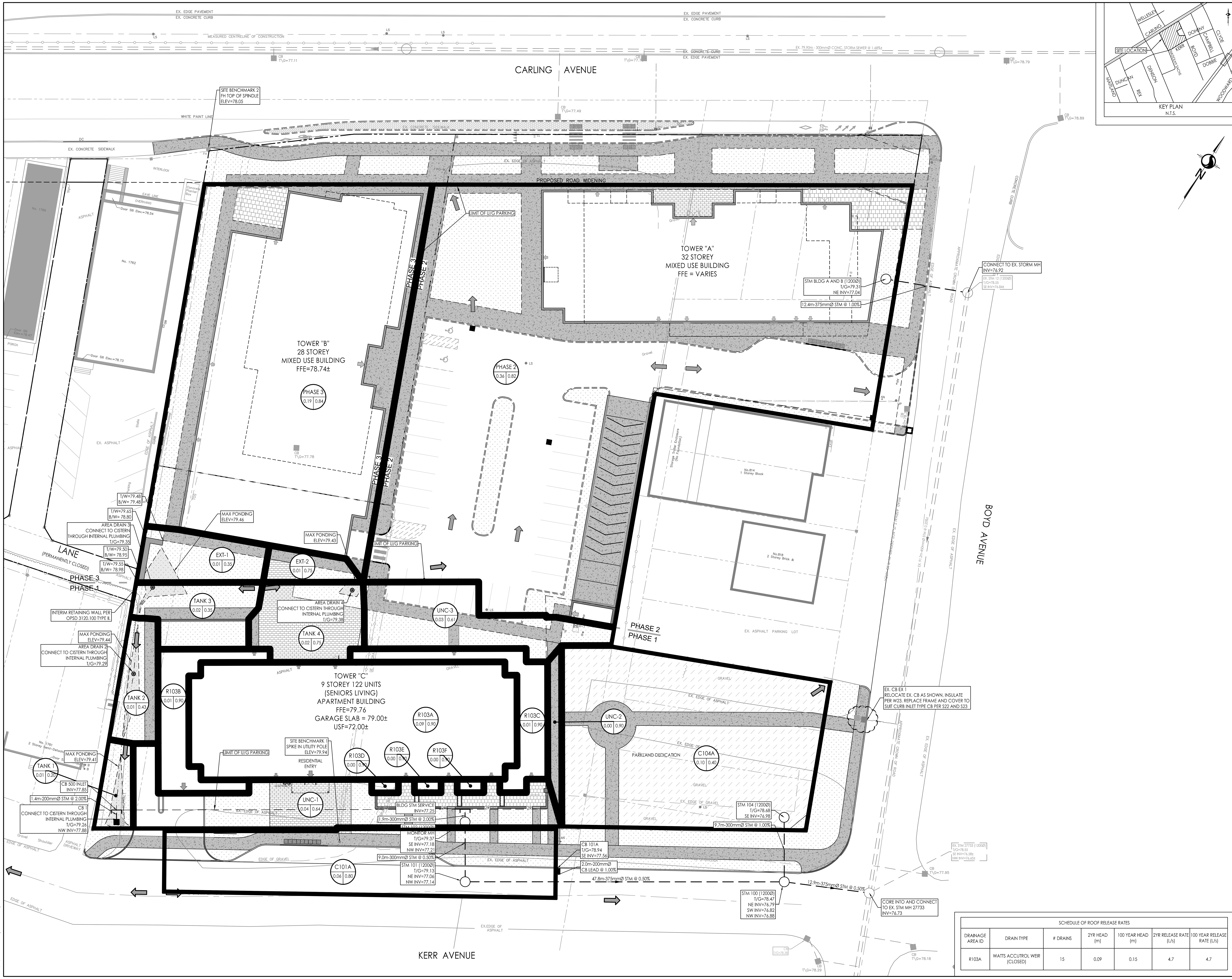

Stantec

Stantec Consulting Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

- L101A — AREA ID; 1.00 — STORM DRAINAGE AREA ha.; 0.85 — RUNOFF COEFFICIENT
- STORM DRAINAGE BOUNDARY
- EXT-1 — AREA ID; 1.00 — EXTERNAL STORM DRAINAGE AREA ha.; 0.50 — EXTERNAL RUNOFF COEFFICIENT
- EXTERNAL STORM DRAINAGE BOUNDARY
- DIRECTION OF EMERGENCY OVERLAND FLOW
- PROPOSED STORM MH AND SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- PROPOSED CB T AND SUBDRAIN
- EXISTING STORM MH AND SEWER
- EXISTING CATCHBASIN
- THERMAL INSULATION ON STORM SEWER WHERE COVER IS LESS THAN 2.0m AS PER S35.
- MAXIMUM STATIC PONDING LIMITS

Notes

1. ALL CATCH BASINS AND TRENCH DRAINS TO BE CONNECTED TO INTERNAL PLUMBING AND COLLECTED IN STORM WATER MANAGEMENT CISTERN. INSTALLATION BY OTHERS. CISTERN DESIGN BY THE STRUCTURAL CONSULTANT. CISTERN PUMP AND EMERGENCY OVERFLOW DESIGN BY THE MECHANICAL CONSULTANT.
2. THE LOCATION AND ELEVATION OF SEWERS, WATERMAIN AND UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION AND ELEVATIONS SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION AND ELEVATION OF SEWERS, WATERMAINS AND UTILITIES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND THE IMPLEMENTATION OF ANY NECESSARY PROCEDURES CALLED FOR IN THE APPROPRIATE STANDARD AND REGULATIONS. ANY DISCREPANCY WITH THE INFORMATION SHOWN ON THESE PLANS SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONTINUING WITH CONSTRUCTION.
3. INTERNAL PLUMBING AND SUMP PUMPS TO BE DESIGNED BY THE MECHANICAL CONSULTANT.
4. STORMWATER MANAGEMENT FOR PHASE 1 TOWER C TO BE PROVIDED THROUGH A 44.0 m³ CISTERN LOCATED IN THE UNDERGROUND PARKING.
5. MAX. CISTERN RELEASE RATE TO STORM SEWER = 6.1L/s. CISTERN TO BE MECHANICALLY PUMPED.
6. BOOSTER PUMPS TO BE PROVIDED TO MAINTAIN MINIMUM PRESSURES FOR TOWERS 6-STOREYS AND HIGHER. BOOSTER PUMP REQUIREMENTS AND DESIGN BY THE MECHANICAL CONSULTANT.
7. SUMP PUMP REQUIRED TO DISCHARGE UNDERGROUND PARKING LEVELS TO INTERNAL SANITARY SEWER. (REFER TO MECHANICAL DRAWINGS FOR DETAILS).
8. FLOOR DRAINS LOCATED INSIDE PARKING GARAGE TO BE CONNECTED TO BUILDING INTERNAL SANITARY SEWER. (REFER TO MECHANICAL DRAWINGS FOR DETAILS).
9. USF TO BE CONFIRMED BY THE STRUCTURAL CONSULTANT. SUMP PUMP REQUIRED TO DISCHARGE FOUNDATION DRAINAGE SYSTEM. (REFER TO MECHANICAL DRAWINGS FOR DETAILS)

Revision

#	Revision	By	Appd.	YY.MM.DD
1	RE-ISSUED FOR SPA	MJS	DT	25.11.25
0	ISSUED FOR SPA	MJS	DT	25.10.17

File Name: 160401895 DB.dwg	Dwn.	Chkd.	Dsgn.	YY.MM.DD
	MJS	AG	MJS	25.04.30

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
D. C. THIFFAULT
100186107
2025-11-28
PROVINCE OF ONTARIO

Client/Project

THE PROPERTIES GROUP

1746 CARLING AVENUE
9 STOREY APARTMENT BUILDING
OTTAWA, ON, CANADA

Title

STORM DRAINAGE PLAN

SCHEDULE OF ROOF RELEASE RATES

DRAINAGE AREA ID	DRAIN TYPE	# DRAINS	2YR HEAD (m)	100 YEAR HEAD (m)	2YR RELEASE RATE (L/s)	100 YEAR RELEASE RATE (L/s)
R103A	WATTS ACCUTROL WEIR (CLOSED)	15	0.09	0.15	4.7	4.7

Project No. 160401895

Scale 1:250 (0 2.5 7.5 12.5m)

Drawing No. SD-1

Sheet 10 of 11

Revision 1

W:\active\160401895\design\drawing\Detailed Design Drawings\160401895 DB.dwg
2025/11/26 8:51 AM By: Gladish, Alyssa

ORIGINAL SHEET - ARCH D