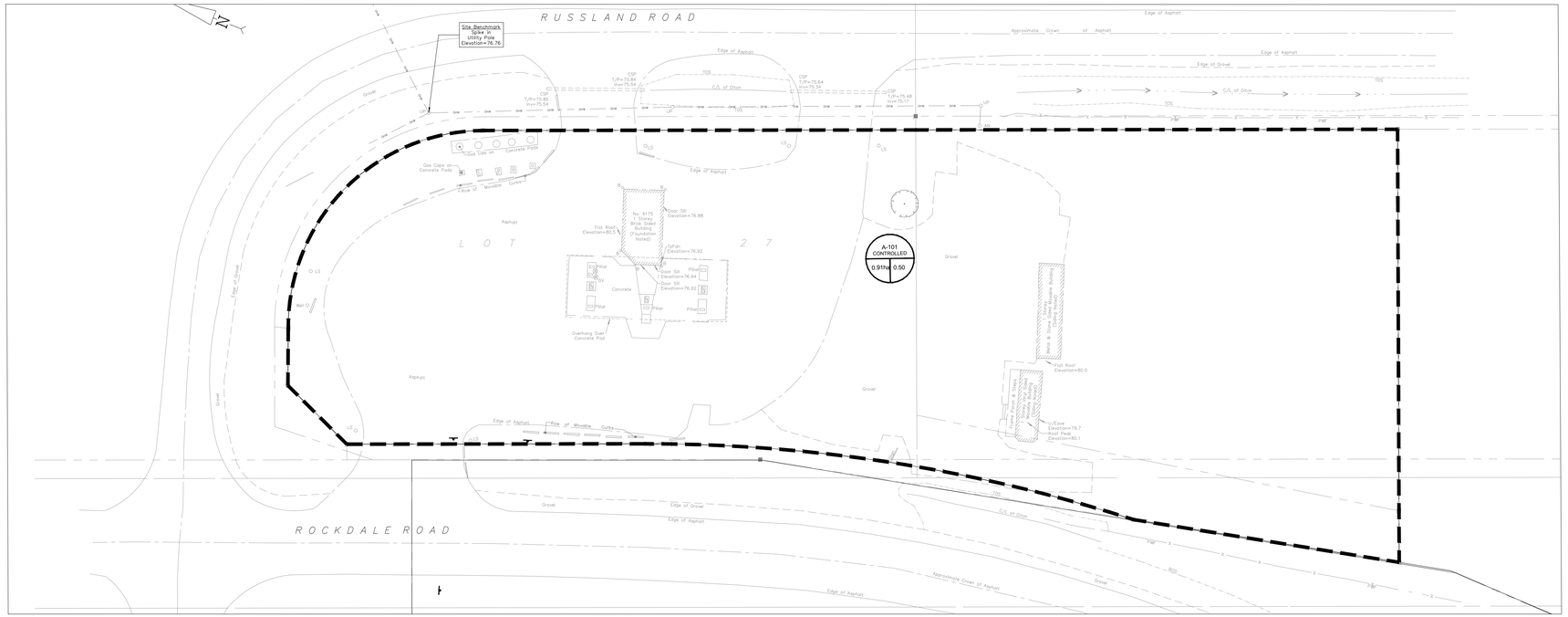
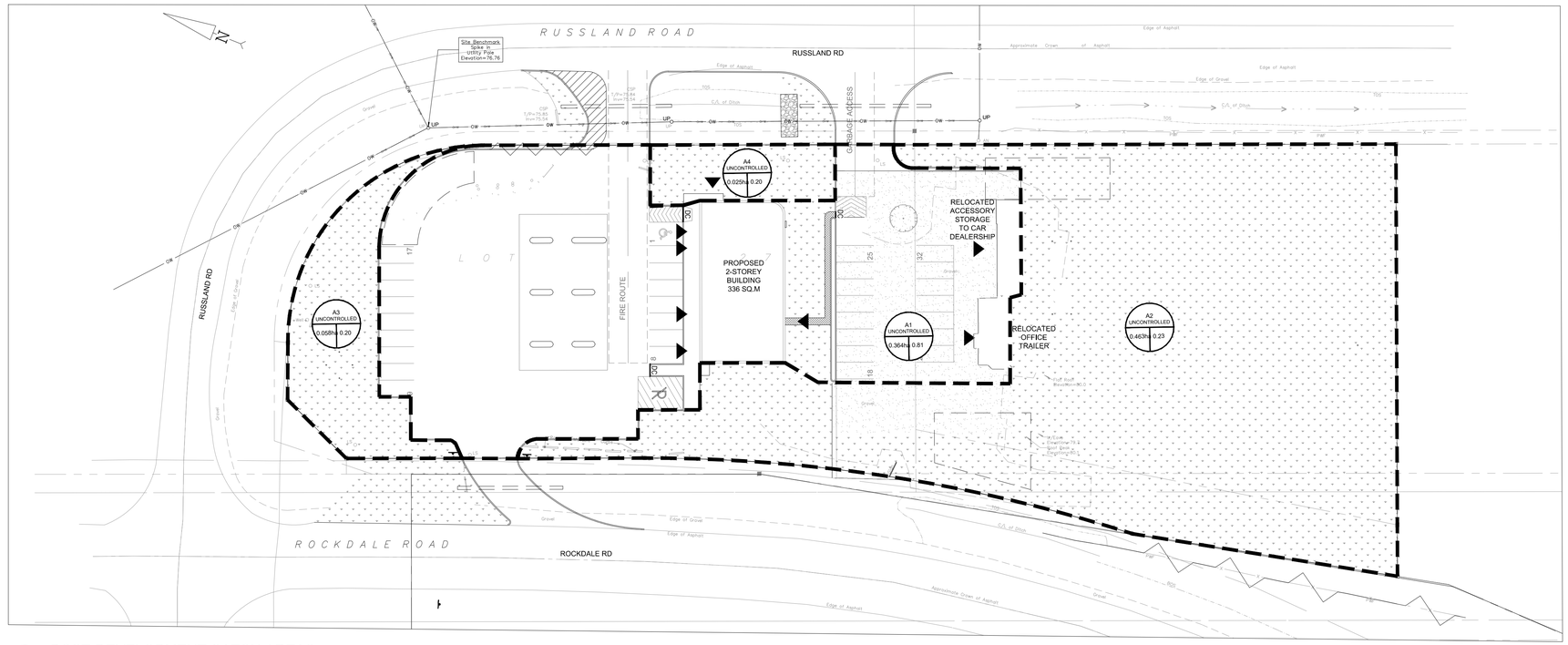


1 C1.5 **PRE-DEVELOPMENT CATCH AREAS**
SCALE: 1:400



2 C1.5 **POST-DEVELOPMENT CATCH AREAS**
SCALE: 1:400

LEGEND:

DRAINAGE BOUNDARY

DRAINAGE AREA SYMBOL
(AREA ID, A2 UNCONTROLLED, 0.463ha 0.32, CATCHMENT AREA, RUNOFF COEFFICIENT)

A1 - Runoff Coefficient Calculation

Area	Surface	Ha	"C"	C_{avg}
Total	Gravel	0.099	0.70	
0.364	Asphalt	0.248	0.90	**0.81**
	Soft	0.017	0.20	

A2 - Runoff Coefficient Calculation

Area	Surface	Ha	"C"	C_{avg}
Total	Gravel	0.024	0.70	
0.463	Asphalt	0.000	0.90	**0.23**
	Soft	0.439	0.20	

A3 - Runoff Coefficient Calculation

Area	Surface	Ha	"C"	C_{avg}
Total	Gravel	0.000	0.70	
0.058	Asphalt	0.000	0.90	**0.20**
	Soft	0.058	0.20	

A4 - Runoff Coefficient Calculation

Area	Surface	Ha	"C"	C_{avg}
Total	Gravel	0.000	0.70	
0.025	Asphalt	0.000	0.90	**0.20**
	Soft	0.025	0.20	

Overall Site - Runoff Coefficient Calculation

Area	Surface	Ha	"C"	C_{avg}
Total	Gravel	0.123	0.70	
0.911	Asphalt	0.248	0.90	**0.46**
	Soft	0.540	0.20	

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t: 613.829.2800 f: 613.829.8299 www.wspgroup.com

CONSULTANT:

SEAL:
LICENSED PROFESSIONAL ENGINEER
W. ZHUANG
100231427
2026-07-16
PROVINCE OF ONTARIO

NORTH

CLIENT:
MR. ABDO EL-ARAB
6175 ROCKDALE RD.
VARS, ONTARIO
K0A 3H0
PHONE NUMBER:
(613) 835-3525

CLIENT REF. #: --

PROJECT:
GAS STATION
REDEVELOPMENT
6175 ROCKDALE RD., CONC. 6
PT. LOT 27 RP 50R-5729 PART
1,2 & 3 (IRREG.)

KEY PLAN:

DISCLAIMER: COPYRIGHT:
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THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR - REVISION:

		DATE	DESCRIPTION
15		JULY 16, 2026	REVISED PER CITY COMMENTS
14		APRIL 24, 2026	ISSUED FOR SITE PLAN APPLICATION
13		MAR 24, 2026	REVISED PER MECP COMMENTS
12		SEPT 25, 2025	ISSUED FOR SITE PLAN APPLICATION
11		JUNE 28, 2024	ISSUED AS PER CITY COMMENTS DATED MARCH 19, 2024
10		OCT 12, 2023	ISSUED FOR REVIEW
9		JULY 15, 2020	ISSUED FOR REVIEW
8		JUNE 8, 2020	ISSUED FOR REVIEW
7		AUGUST 29/19	ISSUED FOR REVIEW
6	1	APRIL 8/19	ISSUED FOR REVIEW
5		MAY 28/18	ISSUED FOR REVIEW
4		APRIL 26/18	ISSUED FOR REVIEW
3		MAR 20/18	ISSUED FOR REVIEW
2		DEC 20/17	ISSUED FOR REVIEW

PROJECT NO: CA0008077.7007
DATE: 2026-07-16
ORIGINAL SCALE: 1:400
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm
DESIGNED BY: AZ
DRAWN BY: JT
CHECKED BY: IJ

DISCIPLINE: CIVIL

TITLE:
PRE-DEVELOPMENT AND
POST-DEVELOPMENT
CATCHMENT AREAS

SHEET NUMBER: C1.5
SHEET #: 4 OF 5

ISSUE: REVISED PER CITY COMMENTS
DATE OF: 2026-07-16
REV #: 15

V:\05-13 ME 2021 Projects\171-14402 Vars Gas Station\3. Drawings\Working drawings\2026 Submission\CA0008077.7007_2026.05.dwg Jul 16, 2026 2:54pm BY (CAAZ14802)