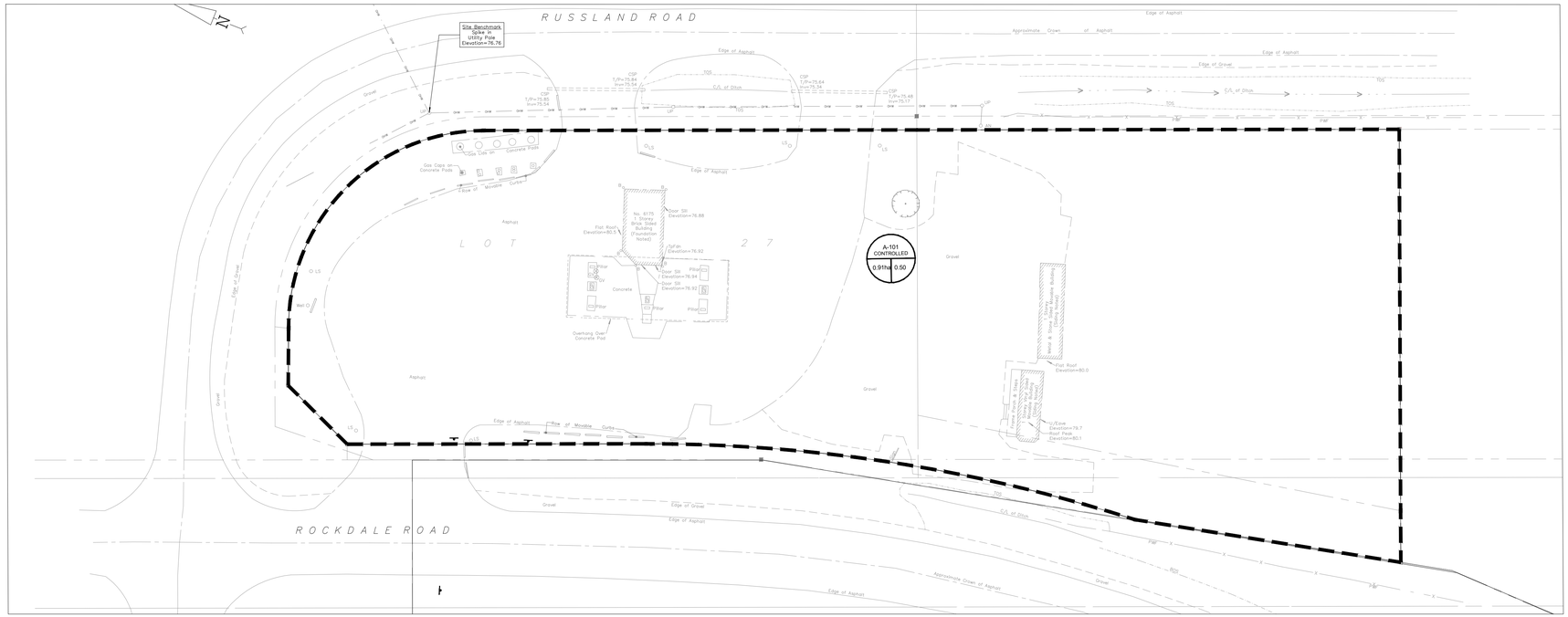
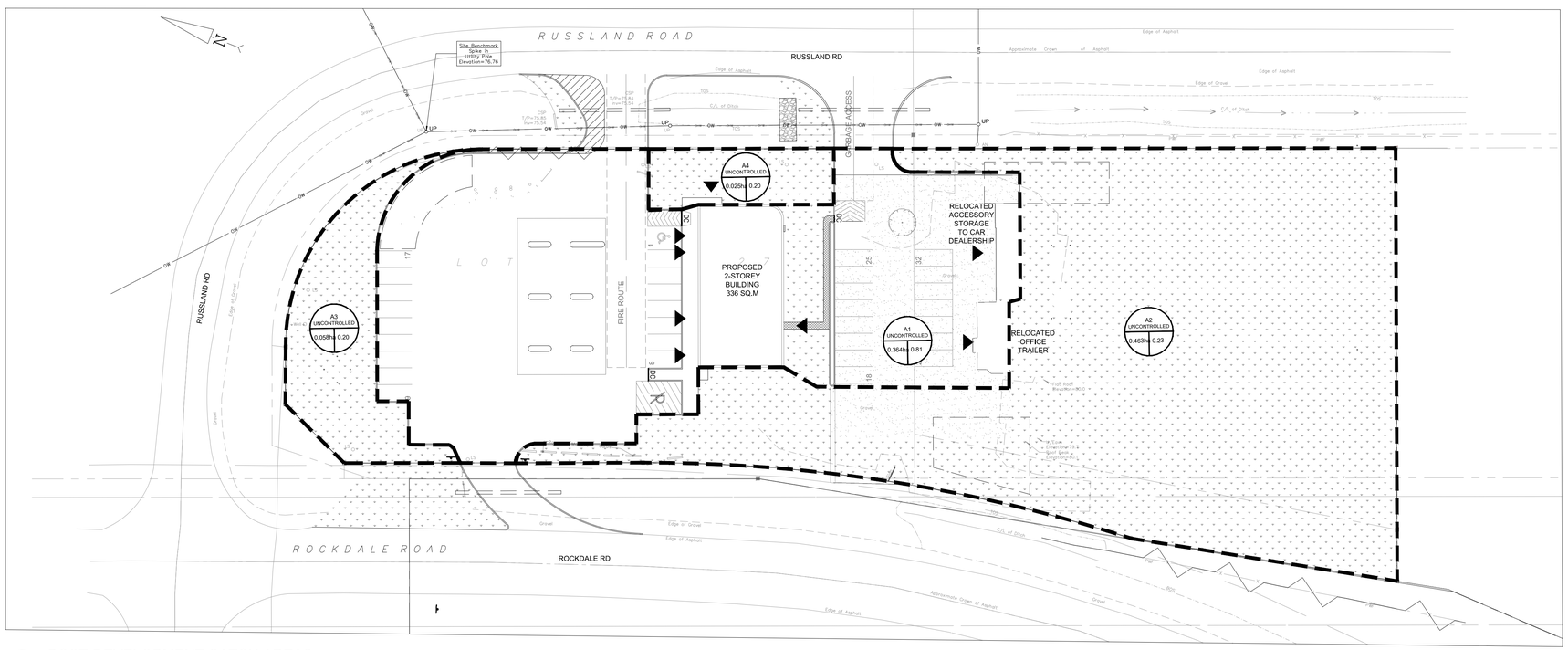



1 C1.5 PRE-DEVELOPMENT CATCH AREAS
SCALE: 1:400




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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2611 Queensview Dr. Ottawa, ON Canada K2B 8K2
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:

| IS | RE | 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:\35-13 ME 2021 Projects\177-14002 Vars Gas Station\3. Drawings\Working drawings\2026 Submission\CA0008077.7007_2026-05.dwg Jul 16, 2026-2:24pm BY:(CAAZ14820)