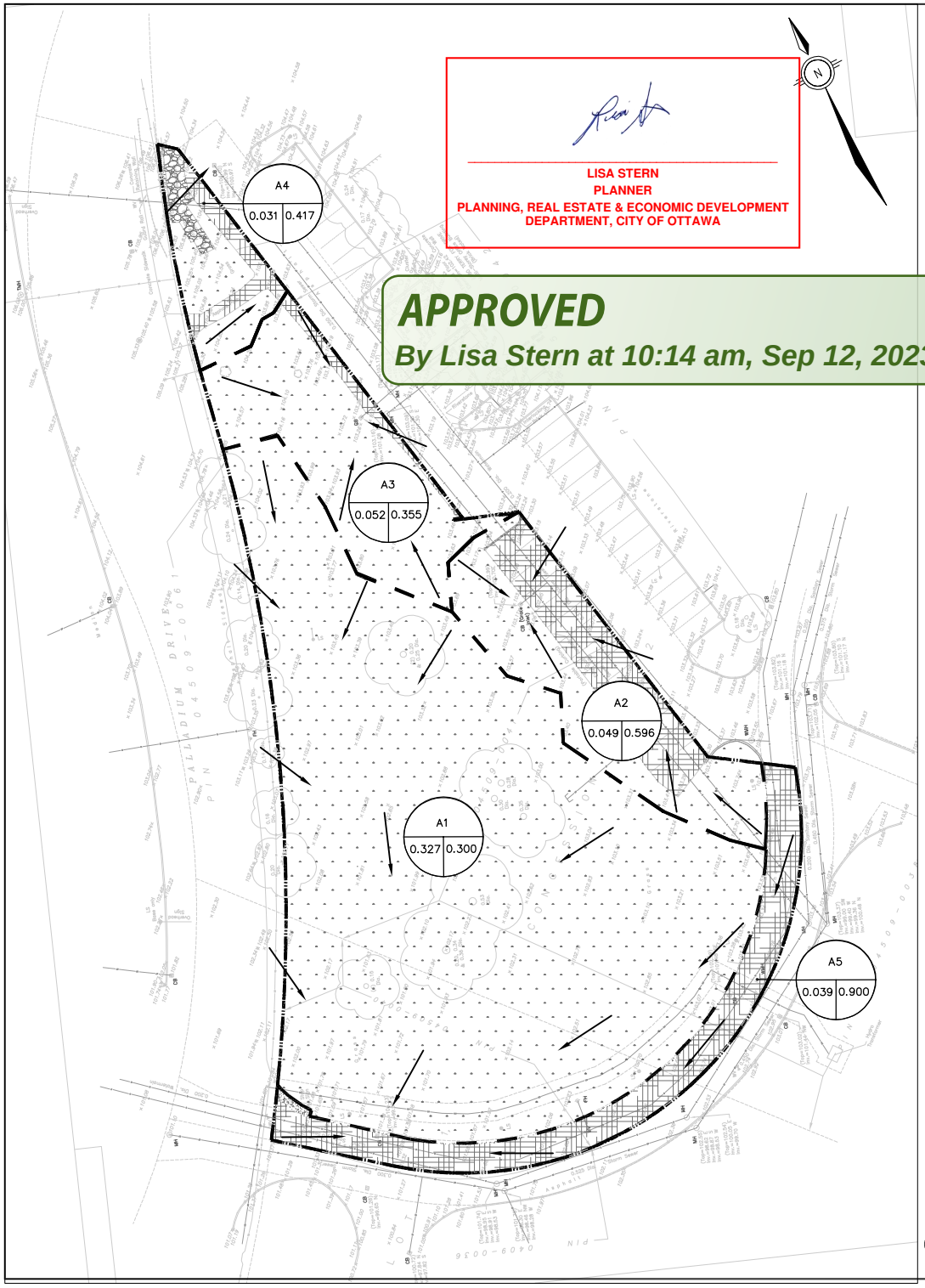

LISA STERN
PLANNER
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

APPROVED
By Lisa Stern at 10:14 am, Sep 12, 2023

EXISTING DRAINAGE AREA			
AREA I.D.	TOTAL AREA (m^2)	RUNOFF COEFFICIENT C_{5YEAR}	COMMENTS
1	3270	0.30	100% VEGETATED AREA
2	494	0.60	49% ASPHALT AREA 51% VEGETATED AREA
3	520	0.35	9% ASPHALT AREA 91% VEGETATED AREA
4	315	0.42	15% ASPHALT AREA 74% VEGETATED AREA 11% GRAVEL AND CONCRETE AREA
5	390	0.90	PREVIOUSLY DEVELOPED AREA; NOT INCLUDED IN DESIGN

SURFACE RUNOFF DISTRIBUTION				
LOCATION	TOTAL AREA (m^2)	A X C C_{5YEAR}	% TOTAL A X C C_{5YEAR}	DRAINAGE AREAS
EXISTING 250mm STORM SEWER (NORTHEAST OF SITE BOUNDARY)	100	75	3.8%	A4
EXISTING 375mm STORM SEWER (EAST OF SITE BOUNDARY)	1230	564	28.6%	A2 & A3 & A4
EXISTING 525mm STORM SEWER (SOUTH OF SITE BOUNDARY)	3660	1332	67.6%	A1 & A5
TOTAL SITE	4990	1971	100%	-

1:800
HORIZONTAL
0m 15 30

LEGEND

- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING ELEVATION
- EXISTING CURB
- PROPERTY EXTENTS
- EXISTING ASPHALT
- EXISTING CONCRETE SIDEWALK
- EXISTING VEGETATED AREA
- EXISTING RIVER STONE
- EXISTING CONCRETE RETAINING WALL

CATCHMENT ID — A1 — 0.327 | 0.300
DRAINAGE AREA (ha) — RUNOFF COEFFICIENT

CATCHMENT EXTENTS

PROPERTY EXTENTS

DIRECTION OF SURFACE RUNOFF

No.	YYYY-MM-DD	ISSUED
02	2022-06-16	ISSUED FOR SITE PLAN APPROVAL
01	2022-01-19	ISSUED FOR SITE PLAN APPROVAL
00	2021-12-21	ISSUED FOR CLIENT REVIEW

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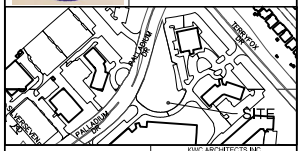
STAMP
LICENSED PROFESSIONAL ENGINEER
A.E.A. ELSAYED
100502106
June 16 2022
PROVINCE OF ONTARIO

PERMIT TO PRACTICE



MORRISON HERSHFIELD
600 - 2932 Baseline Road
Ottawa, Ontario K2H 1B1
Tel. (613) 732-7775

KWC ARCHITECTS INC.
301-333 Preston Avenue,
Ottawa, Ontario K1Y 4N4

PROJECT
301 PALLADIUM DRIVE

DRAWING
EXISTING DRAINAGE AREA PLAN

DESIGN	DATE	SCALE
DD	2022-06-16	1:800
DRAWN: DD	PROJECT NO.: 210390900	
CHECKED: AA	DRAWING NO: C004	VERSION
APPROVED: AA		

2021-12-21 #18649