

PROPOSED CONTROLLED SURFACE RUNOFF DISTRIBUTION				
LOCATION	TOTAL AREA (m ²)	A X C C _{YEAR}	A X C C _{100YEAR}	DRAINAGE AREAS
EXISTING 525mm STORM SEWER (SOUTH OF SITE BOUNDARY)	4120	3032	3543	A2 A4 A5 A6 A7 A8 A9 A10

PROPOSED UNCONTROLLED SURFACE RUNOFF DISTRIBUTION				
LOCATION	TOTAL AREA (m ²)	A X C C _{YEAR}	% TOTAL A X C C _{YEAR}	DRAINAGE AREAS
EXISTING 250mm STORM SEWER (NORTHEAST OF SITE BOUNDARY)	100	75	29%	A1
EXISTING 375mm STORM SEWER (EAST OF SITE BOUNDARY)	304	180	71%	A1 & A3 A12 & A13
TOTAL SITE	404	255	100%	-

NOTE: AREA DRAIN A11 PREVIOUSLY DEVELOPED AND NOT CONSIDERED IN CALCULATIONS

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
- PROPOSED ROOF DRAIN
- PROPOSED STORM MANHOLE
- PROPOSED STORM CATCH BASIN MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED DITCH INLET
- PROPOSED SANITARY MANHOLE

CATCHMENT ID: A1 (0.327 | 0.300)

DRAINAGE AREA | RUNOFF COEFFICIENT

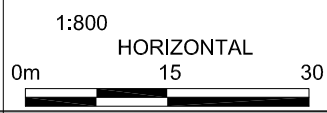
--- CATCHMENT EXTENTS

--- PROPERTY EXTENTS

→ DIRECTION OF SURFACE RUNOFF

PROPOSED UNCONTROLLED DRAINAGE AREA			
AREA I.D.	TOTAL AREA (m ²)	RUNOFF COEFFICIENT C _{YEAR}	COMMENTS
1	230	0.61	15% ASPHALT AREA 74% VEGETATED AREA 11% GRAVEL AND CONCRETE AREA
3	100	0.34	5% CONCRETE AREA 95% VEGETATED AREA
11	390	0.90	100% ASPHALT AREA
12	19	0.90	100% ASPHALT AREA
13	55	0.90	100% ASPHALT AREA

PROPOSED CONTROLLED DRAINAGE AREA			
AREA I.D.	TOTAL AREA (m ²)	RUNOFF COEFFICIENT C _{YEAR}	COMMENTS
2	940	0.80	81% ASPHALT AREA 17% VEGETATED AREA 2% CONCRETE AREA
4	380	0.90	95% ASPHALT AREA 5% CONCRETE AREA
5	130	0.40	17% CONCRETE AREA 83% VEGETATED AREA
6	300	0.50	35% CONCRETE AREA 65% VEGETATED AREA
7	660	0.90	61% ASPHALT AREA 39% CONCRETE AREA
8	450	0.43	78% VEGETATED AREA 22% CONCRETE AREA
9	850	0.90	100% BUILDING AREA
10	405	0.43	15% ASPHALT AREA 74% VEGETATED AREA 11% GRAVEL AND CONCRETE AREA



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
No.	YYYYMMDD	ISSUED

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STAMP: PERMIT TO PRACTICE
A.E.A. ELSAIED
100502100
June 16, 2022
PROVINCE OF ONTARIO

PROJECT: 301 PALLADIUM DRIVE

DRAWING: PROPOSED DRAINAGE AREA PLAN

DESIGN	DD	DATE	2022-06-16	SCALE	1:800
DRAWN	DD	PROJECT NO.	210390900		
CHECKED	AA	DRAWING NO.		VERSION	
APPROVED	AA				C005