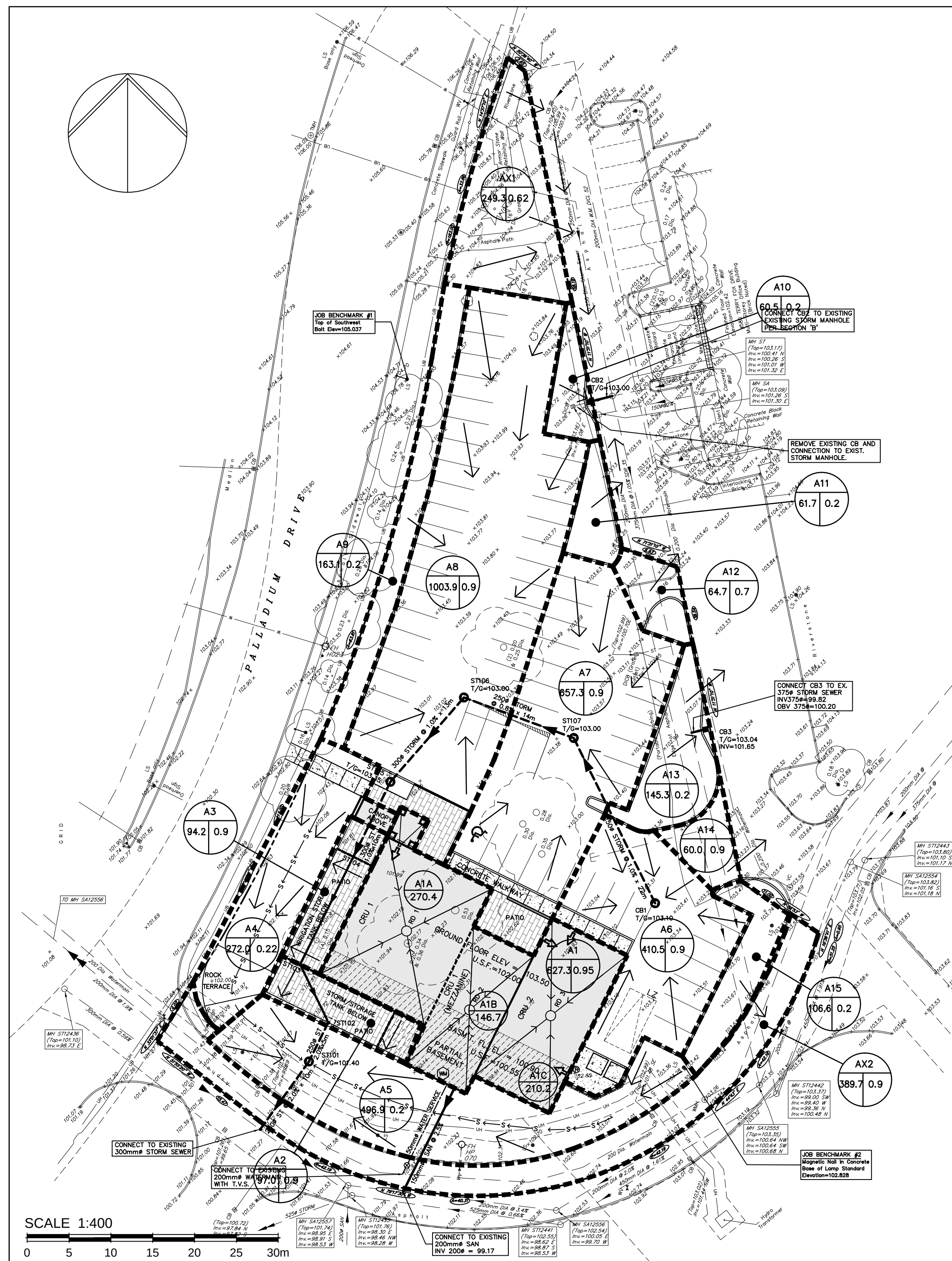




POST-DEVELOPMENT DRAINAGE

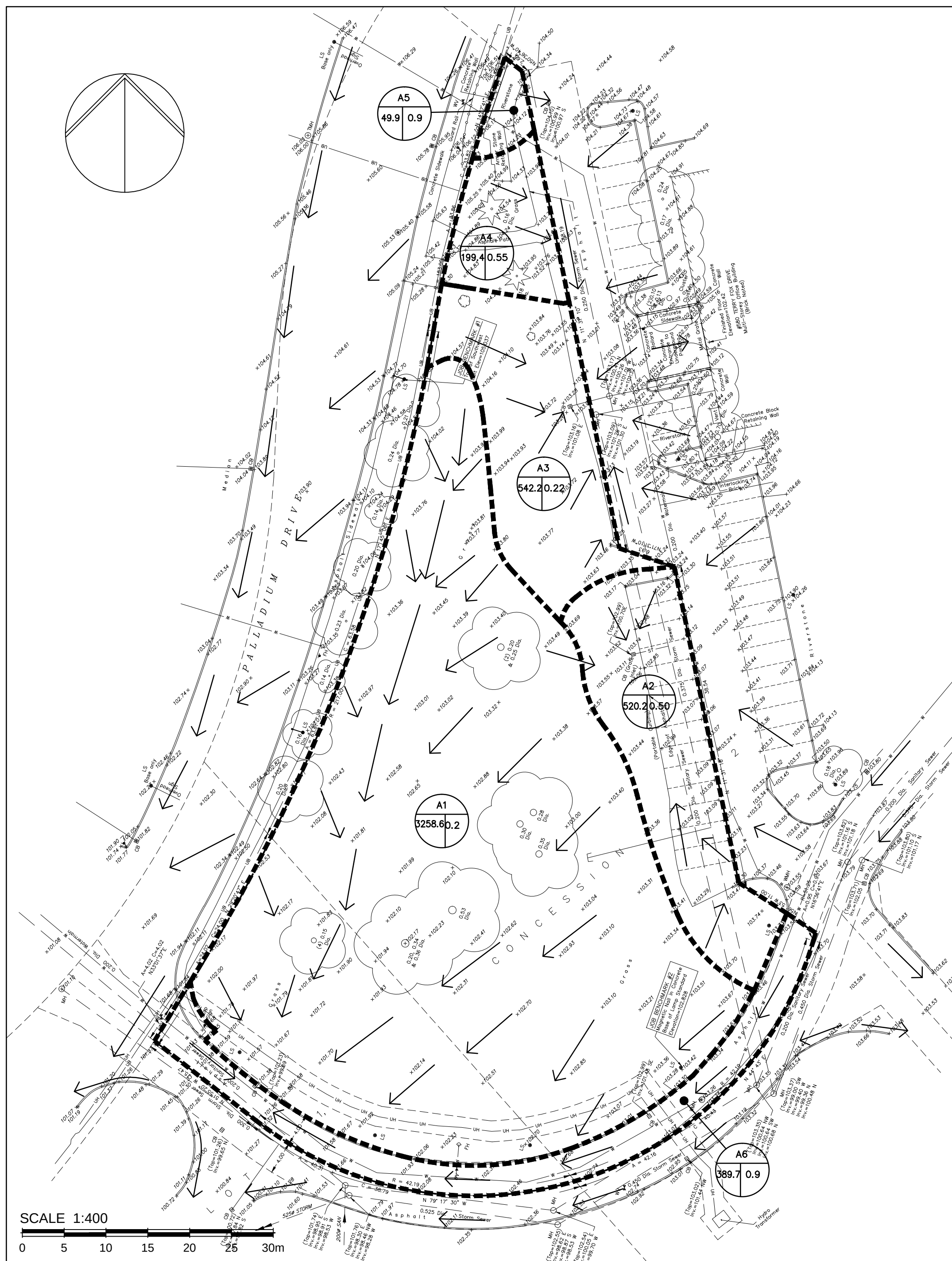
POST DEVELOPMENT DRAINAGE DATA				
AREA I.D.	TOTAL AREA (sq.m.)	RUNOFF COEFF. C	A x C	COMMENT
A1	627.3	0.95	595.9	CONTROLLED AT ST101
A2	97.0	0.9	87.3	CONTROLLED AT ST101
A3	94.2	0.9	84.8	CONTROLLED AT ST101
A4	272.0	0.22	59.8	CONTROLLED AT ST101
A5	496.9	0.2	99.4	CONTROLLED AT ST101
A6	410.5	0.9	369.5	CONTROLLED AT ST101
A7	657.3	0.9	591.6	CONTROLLED AT ST101
A8	1003.9	0.9	903.5	CONTROLLED AT ST101
A9	163.1	0.2	32.6	CONTROLLED AT ST101
A10	60.5	0.2	12.1	UNCONTROLLED
A11	61.7	0.2	12.3	UNCONTROLLED
A12	64.7	0.7	45.3	UNCONTROLLED
A13	145.3	0.2	29.1	UNCONTROLLED
A14	60.0	0.9	54.0	UNCONTROLLED
A15	106.6	0.2	21.3	UNCONTROLLED
TOTAL * DRAINAGE DESIGN AREA	4321.0	0.69	2998.5	
AX1	249.3	0.62	154.6	EXISTING UNCONTROLLED AND UNCHANGED
AX2	389.7	0.9	350.7	
	639.0	0.79	505.3	
TOTAL SITE	4960.0			

POST DEVELOPMENT RUNOFF DISTRIBUTION				
LOCATION	AREA (sq.m.)	A x C	% TOTAL A x C	COMMENT
TO SOUTH BOUNDARY (EXIST. STORM SEWER)	3822.2	2824.4	94.2%	ALL CONTROLLED RELEASE (AREA A1 TO A9 INCL.)
TO EAST BOUNDARY (EXIST. STORM SEWER)	498.8	174.1	5.8%	ALL UNCONTROLLED RELEASE (AREA A10 TO A15 INCL.)
TOTAL * DRAINAGE DESIGN AREA	4321.0	2998.5	100.0%	

EXISTING DRAINAGE DATA			
AREA I.D.	TOTAL AREA (sq.m.)	RUNOFF COEFF. C	A x C
A1	3258.6	0.20	651.7
A2	542.2	0.22	119.3
A3	520.2	0.50	260.1
A4 *	199.4	0.55	109.7
A5 *	49.9	0.90	44.9
A6 *	389.7	0.90	350.7
TOTAL SITE	4960.0	0.310	1536.4

* AREAS A4, A5, A6 TO REMAIN UNCHANGED

EXISTING RUNOFF DISTRIBUTION				
LOCATION	AREA (sq.m.)	A x C	% TOTAL A x C	COMMENT
TO SOUTH SITE BOUNDARY STORM SEWER	3648.3	1002.4	65%	AREAS A1, A6
TO EAST SITE BOUNDARY STORM SEWER	1311.7	534.0	35%	AREAS A2, A3, A4, A5
TOTAL SITE	4960.0	1536.4	100.0%	
EXISTING RUNOFF DISTRIBUTION FROM PROPOSED AREA OF DEVELOPMENT				
TO SOUTH SITE BOUNDARY STORM SEWER	3258.6	651.7	63%	AREAS A1
TO EAST SITE BOUNDARY STORM SEWER	1062.4	379.4	37%	AREAS A2, A3
TOTAL DEV. AREA	4321.0	1031.1	100.0%	



EXISTING DRAINAGE

LEGEND

A4 — AREA I.D. #

50 0.9 — RUNOFF COEFF. (RATIONAL METHOD)

— AREA (sq.m.)

— DIRECTION OF SURFACE DRAINAGE RUNOFF

CAUTION:
THE EXACT LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES IS APPROXIMATE ONLY AND MAY BE INCOMPLETE. THE CONTRACTOR IS RESPONSIBLE TO CONTACT ALL MUNICIPAL AUTHORITIES AND UTILITY COMPANIES TO DETERMINE EXACT LOCATION OF ALL SEWERS, WATERMANS, GAS, ELECTRICAL AND COMMUNICATIONS, CABLE TV AND OTHER UNDERGROUND INSTALLATIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTION AGAINST DAMAGE OF ALL EXISTING INSTALLATIONS AND IS LIABLE FOR ALL COST SHOULD DAMAGE OCCUR.

no.	date	revision
2	28 OCT/15	SITE PLAN APPLICATION
1	19 OCT/15	FOR CLIENT REVIEW
0	11 SEPT/15	FOR CLIENT REVIEW

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owner

301 PALLADIUM LTD.
4015 CARLING AVENUE, SUITE 201
KANATA, ON, K2K 2A3

project

PROPOSED COMMERCIAL BUILDING
301 PALLADIUM DRIVE
KANATA ONTARIO

drawing title

STORM DRAINAGE AREA PLAN

drawn	date	scale
MarCAD	SEPT 2015	AS NOTED
project		
EA 14-288		
drawing no.		
SDA-3		
revision no. 2		



KEY PLAN N.T.S.