

**LEGEND**

- DRAINAGE AREA BOUNDARY
- EXIST. GRADE ELEVATIONS
- STORM DRAIN LINE
- DIRECTION OF FLOW
- X ANALYSIS POINT
- E1 DRAINAGE AREA #
- 0.65 Ac. DRAINAGE AREA
- 100% IMPERVIOUS COVER

**COA IDF Curve Values**

Year	a	b	c
2	54.767	11.051	0.8116
10	70.82	10.396	0.7725
25	82.936	10.746	0.7634
100	118.3	13.185	0.7736

**EXISTING DRAINAGE AREA DATA - 44 EAST**

DRAINAGE AREA	ANALYSIS POINT	AREA (SF)	AREA (AC)	I.C. (SF)	I.C. (%)	Tc	Q2 (CFS)	Q10 (CFS)	Q25 (CFS)	Q100 (CFS)
EX-A	A	1,742	0.040	1,420	81.52%	5.00	0.15	0.25	0.31	0.43
EX-B	B	1,307	0.030	673	51.49%	5.00	0.09	0.14	0.18	0.27
EX-C	C	22,652	0.520	20,878	92.17%	5.00	2.07	3.43	4.31	5.96
EX-D	D	3,485	0.080	0	0.00%	5.00	0.12	0.21	0.28	0.49
OS-E	E	9,583	0.220	8,097	84.49%	5.00	0.83	1.38	1.73	2.42
OS-F	F	8,712	0.200	6,542	75.09%	5.00	0.70	1.17	1.48	2.10
<b>TOTAL</b>		<b>47,481</b>	<b>1.09</b>	<b>37,610</b>	<b>79.21%</b>					

Note: Peak runoff rates in the above table were calculated using the rational method (Q = CIA). Runoff coefficients, Intensity-Duration-Frequency values, and time of concentration calculations are based on guidance from the City of Austin Drainage Criteria Manual.

**COA C-Values**

	2	10	25	100
Impervious	0.73	0.81	0.86	0.95
Pervious	0.25	0.3	0.34	0.49

DRAINAGE AREA	IC TYPE	IC AREA
EX-A	PAVEMENT	276SF
	BUILDING	1,144SF
EX-B	PAVEMENT	245SF
	BUILDING	428SF
EX-C	PAVEMENT	13,798SF
	BUILDING	7,080SF
<b>TOTAL:</b>		<b>22,971SF</b>

NO.	DATE	REVISION	BY

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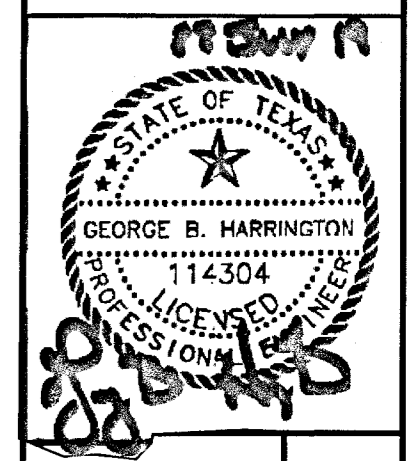
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512-869-5560

FIRM NO. F-1202



**44 EAST**  
44 EAST AVENUE  
AUSTIN, TRAVIS COUNTY, TEXAS 78701

EXISTING DRAINAGE AREA MAP

**SITE PLAN APPROVAL** SHEET 23 OF 72

FILE NUMBER: SP-2018-0472C APPLICATION DATE: 10-5-18

APPROVED BY COMMISSION ON UNDER SECTION 112 OF CHAPTER 25-5 OF THE CITY OF AUSTIN CODE

EXPIRATION DATE (25-5-81) LDC: 9-27-22 CASE MANAGER: A. JOHNSON

*[Signature]*

DIRECTOR, DEVELOPMENT SERVICES DEPARTMENT

RELEASED FOR GENERAL COMPLIANCE: 1-21-19 ZONING: CBD

REV. 1 CORRECTION 1

REV. 2 CORRECTION 2

REV. 3 CORRECTION 3

FINAL PLAT MUST BE RECORDED BY THE PROJECT EXPIRATION DATE. IF APPLICABLE. SUBSEQUENT SITE PLANS WHICH DO NOT COMPLY WITH THE CODE CURRENT AT THE TIME OF FILING, AND ALL REQUIRED BUILDING PERMITS AND/OR A NOTICE OF CONSTRUCTION (IF A BUILDING PERMIT IS NOT REQUIRED) MUST ALSO BE APPROVED PRIOR TO THE PROJECT EXPIRATION DATE.

SHEET

**CG300**

23 OF 72

SP-2018-0472C

FILE NAME: 09051801\_C0001\_EXISTING DRAINAGE AREA MAP.DWG  
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