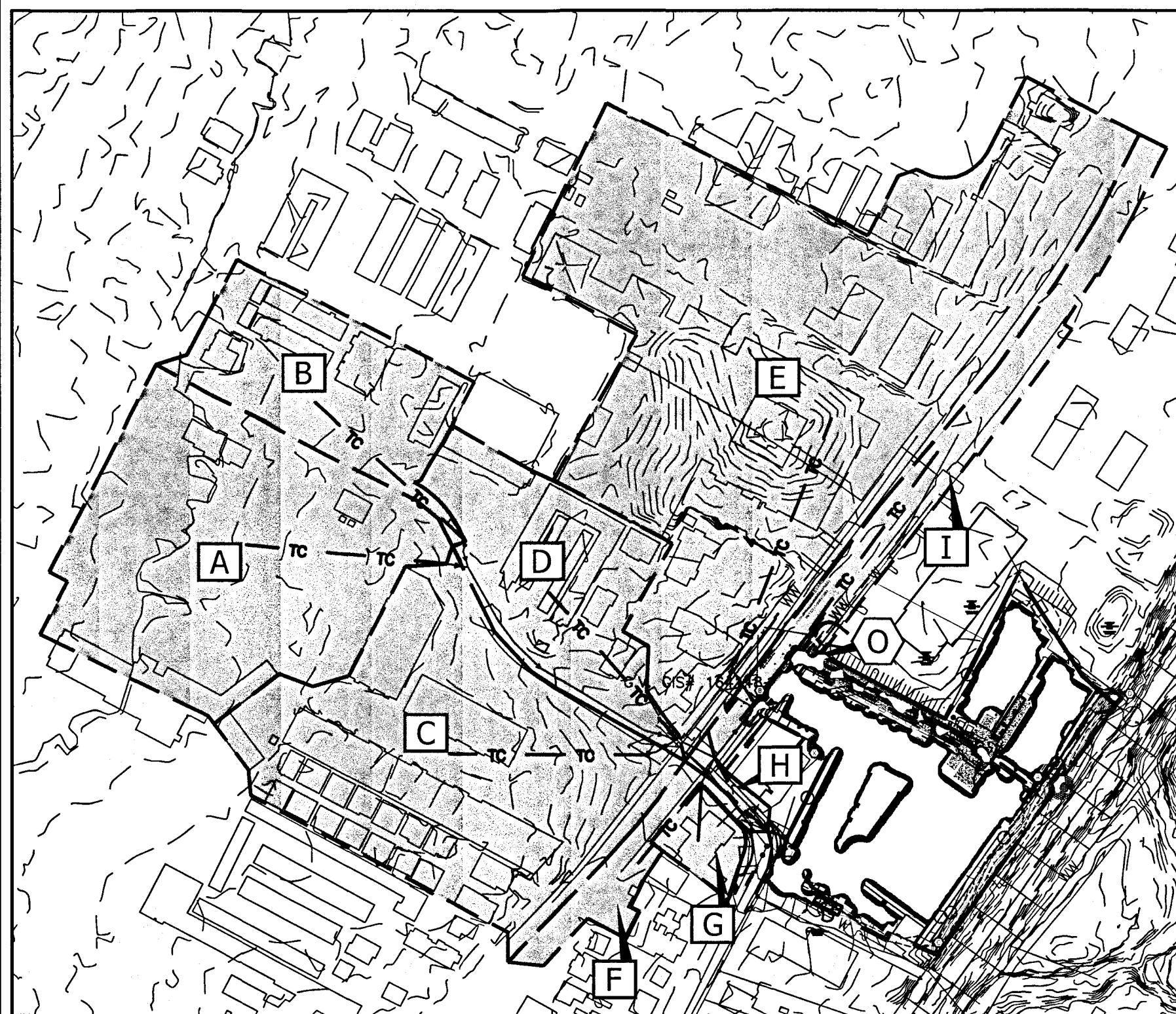


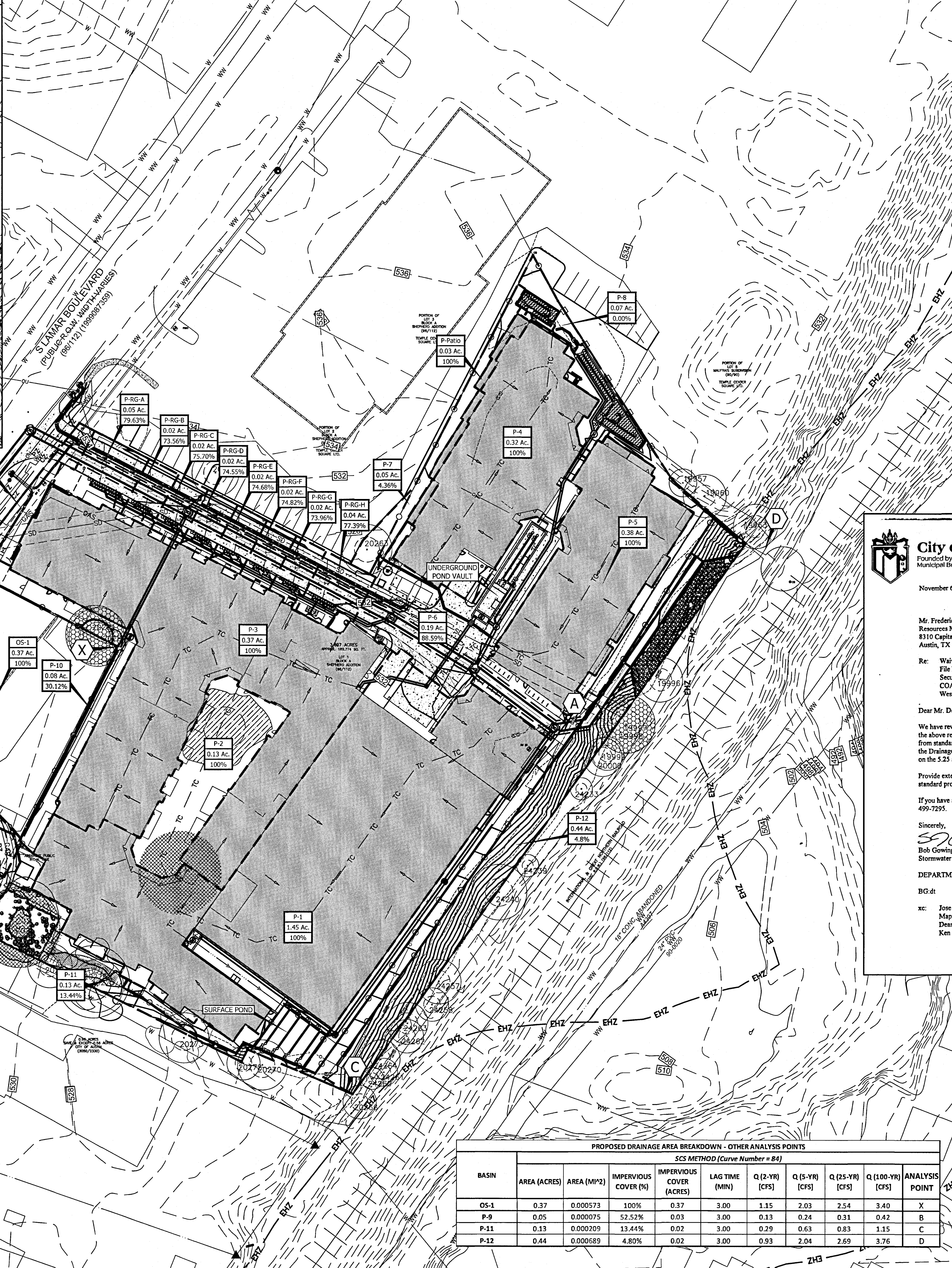


DRAINAGE AREA	CITY STORMWATER ID	AREA (AC)	Tc	RUNOFF COEFF. 25-YR	Q25 (CFS)	RUNOFF COEFF. 100-YR	Q100 (CFS)
A	101962	4.883	5.00	0.704	35.04	0.786	48.51
B	102055	2.109	5.00	0.795	17.09	0.881	23.50
C	100779	5.167	5.00	0.848	44.65	0.936	61.18
D	101093	2.302	5.00	0.847	19.88	0.936	27.24
E	101605	10.891	5.00	0.851	94.42	0.939	129.34
F	101162	0.570	5.00	0.859	4.99	0.948	6.84
G	447809	0.333	5.00	0.859	2.92	0.948	4.00
H	100922	0.120	5.00	0.859	1.05	0.948	1.44
I	101953	1.675	5.00	0.859	14.66	0.948	20.08
TOTALS		28.05		Analysis Point O	223.68*		310.25*

*DATA ABOVE DETERMINED BY StormCAD MODEL PROVIDED BY CITY OF AUSTIN. TOTAL FLOWS AT ANALYSIS POINT O ARE BASED ON MODEL OUTPUT AND NOT SUM OF INDIVIDUAL DRAINAGE AREAS.

PROPOSED DRAINAGE AREA BREAKDOWN - ANALYSIS POINT A									
BASIN	WATER QUALITY TREATMENT	AREA (ACRES)	AREA (MI ²)	IMPERVIOUS COVER (%)	IMPERVIOUS COVER (ACRES)	LAG TIME (MIN)	PRE-DETENTION		POST-DETENTION
							Q (2-YR) [CFS]	Q (5-YR) [CFS]	
P-1	SURFACE POND	1.45	0.002263	100%	1.45	3.00	4.52	6.56	3.00
P-2		0.13	0.000209	100%	0.13	3.00	0.42	0.61	5.30
P-3		0.37	0.000580	100%	0.37	3.00	1.16	1.68	
P-5	UNDERGROUND VAULT	0.38	0.000597	100%	0.38	3.00	1.19	1.73	2.57
P-6		0.19	0.000298	88.59%	0.17	3.00	0.57	0.84	4.12
P-7		0.05	0.000082	4.36%	0.02	3.00	0.11	0.19	
P-PATIO	RAIN GARDEN A	0.03	0.000041	100%	0.03	3.00	0.08	0.12	0.08
P-4	RAIN GARDEN B	0.32	0.000493	100%	0.32	3.00	0.99	1.43	0.99
P-8		0.07	0.000114	0.00%	0.00	3.00	0.15	0.26	0.15
P-10		0.08	0.000123	30.12%	0.02	3.00	0.19	0.30	0.19
P-RW-A	RW-RG-A	0.05	0.000081	79.63%	0.04	3.00	0.15	0.22	0.15
P-RW-B	RW-RG-B	0.02	0.000038	73.56%	0.02	3.00	0.07	0.10	0.07
P-RW-C	RW-RG-C	0.02	0.000038	75.70%	0.02	3.00	0.07	0.10	0.07
P-RW-D	RW-RG-D	0.02	0.000038	74.55%	0.02	3.00	0.07	0.10	0.07
P-RW-E	RW-RG-E	0.02	0.000037	74.68%	0.02	3.00	0.07	0.10	0.07
P-RW-F	RW-RG-F	0.02	0.000037	74.82%	0.02	3.00	0.07	0.10	0.07
P-RW-G	RW-RG-G	0.02	0.000039	73.96%	0.02	3.00	0.07	0.11	0.07
P-RW-H	RW-RG-H	0.04	0.000069	77.39%	0.03	3.00	0.13	0.19	0.13
ANALYSIS A - TOTAL		3.31	0.0052	92.23%	3.05		10.08	14.74	7.24*

*TOTAL POST-DETENTION FLOWS DETERMINED BY HEC-HMS MODEL (SCS METHOD) AT THE JUNCTION POINT DOWNSTREAM OF ALL BASINS. TOTAL POST DETENTION FLOWS BASED ON MODEL OUTPUT AND NOT SUM OF INDIVIDUAL BASIN FLOWS.



City of Austin

Founded by Congress, Republic of Texas, 1839
Municipal Building, Eighth at Colorado, P.O. Box 1088, Austin, Texas 78767 Telephone: 512/499-2100

November 6, 1995

Mr. Frederick J. Dennick, Jr., P.E.
Resources Management International, Inc.
8310 Capital of Texas Highway North, Suite 385
Austin, TX 78731

Re: Waiver Request
File No. WBO-95-095-W
Security Self Storage South Lamar
COA File CS-95-00170.0A
West Bouldin Creek Watershed

Dear Mr. Dennick,

We have reviewed your latest submittal regarding potential stormwater runoff mitigation for the above referenced site. Due to its location in the watershed, you are requesting a waiver from standard detention requirements for the proposed project. We will grant a waiver from the Drainage Criteria Manual requirement of detention for the 10, 25, and 100 year storms on the 5.25 acre site, provided the following condition is incorporated into the site plan:

Provide extended detention for both the 2 and 5 year frequency storms, designed using the standard procedures outlined in the Environmental Criteria Manual, Section 1.6.8.2.A.

If you have any questions regarding this matter, please contact Dean Thomas of my staff at 499-7295.

Sincerely,

Bob Gowing, P.E.
Stormwater Management Division

DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION

BG:dt

cc: Jose R. Ramon, Jr., P.E., Stormwater Management
Mapi Vigil, P.E., Stormwater Management
Dean Thomas, Stormwater Management
Ken Martin, Environmental and Conservation Services Dept.

NOTES:

- RUNOFF FROM ROOF DOWNSPOUTS MUST BE CONVEYED TO THE APPROPRIATE WATER QUALITY CONTROL CORRESPONDING TO THE DRAINAGE AREAS AS SHOWN
- CONVEYANCE OF STORMWATER FROM PATIO IS BEING ROUTED THROUGH THE BUILDING

SITE PLAN APPROVAL

Sheet 30 of 87
FILE NUMBER SP-2018-0296C APPLICATION DATE JULY 2, 2018
APPROVED BY COMMISSION ON N/A UNDER SECTION 117 OF CHAPTER 25-5 OF THE CITY OF AUSTIN CODE
EXPIRATION DATE (25-5-81, LDC) 12/4/22 CASE MANAGER ROSEMARY AVILA

Director, Development Services Department
RELEASED FOR GENERAL COMPLIANCE: 12/4/19 ZONING CS-V
Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3
Final plot 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.

WWW.BIGREDDOG.COM
TEXAS REG. NO. F-15085

BIGREDDOG
a division of ULLWELL

ENGINEERING & CONSULTING
1515 SOUTH LAMAR
AUSTIN, TEXAS 78702

STATE OF TEXAS
VITO M. TRUPIANO
119582
PROFESSIONAL ENGINEER

AUSTIN SOUTH LAMAR APARTMENTS
1515 SOUTH LAMAR
AUSTIN, TRAVIS COUNTY, TEXAS
PROPOSED DRAINAGE AREA MAP

SHEET
CG400
30 OF 87
SP-2018-0296C