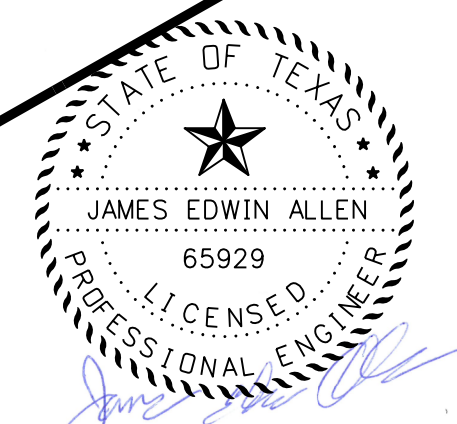


- LEGEND**
- AREA (AC)
 - FLOW
 - CONTOURS
 - DRAINAGE BOUNDARIES
 - INLET DIVIDE
 - PROP 100 YEAR FLOODPLAIN
 - EXIST 100 YEAR FLOODPLAIN

NOTE:
THE PROPOSED FLOOD PLAIN WAS DETERMINED BY THE BOYDSTUN DRAINAGE STUDY FOR THE PROJECT.

DRAINAGE AREA CALCULATION TABLE

Area ID	Drainage Area	Runoff Coefficient C	C*A	Time of Concentration T _c	Design Storm Frequency	Intensity I	Storm Runoff Q	Drains to/Remarks
	(acres)			(min)	(yrs)	(in/hr)	(cfs)	
OS/A1	3.59	0.84	3.02	10	100	9.8	29.6	
OS/A2	1.70	0.81	1.38	10	100	9.8	13.5	
A3	0.20	0.50	0.10	10	100	9.8	0.98	
OS/B1	2.4	0.90	2.15	10.53	100	9.72	20.9	Adjusted for Detention
B2	0.71	0.90	0.64	10	100	9.8	6.3	
B3	1.37	0.85	1.16	10	100	9.8	11.41	
OS/C1	0.14	0.90	0.13	10	100	9.8	1.24	
OS/C2	0.51	0.90	0.46	10	100	9.8	4.51	
OS/C3	0.59	0.90	0.53	10	100	9.8	5.20	
OS/C4	0.11	0.90	0.10	10	100	9.8	0.97	
OS/C5	4.31	0.90	3.83	10	100	9.8	37.6	
D1	1.29	0.90	1.16	10	100	9.8	11.38	



RECORD DRAWING
THIS DRAWING IS A COMPILATION OF A COPY OF THE SEALED ENGINEERING DRAWINGS FOR THIS PROJECT, MODIFIED BY ADDENDA, CHANGE ORDERS AND INFORMATION FURNISHED BY THE CONTRACTOR. THE INFORMATION SHOWN ON THE RECORD DRAWING THAT WAS PROVIDED BY THE CONTRACTOR OR OTHERS NOT ASSOCIATED WITH THE DESIGN ENGINEER CANNOT BE VERIFIED FOR ACCURACY OR COMPLETENESS. THE ORIGINAL SEALED DRAWINGS ARE ON FILE AT THE OFFICE OF EJES, INC., TUBE FIRM REGISTRATION No. 2488

James Allen, P.E., TX License No. 65929
Date: JULY 26, 2019

SDATES

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FIRM REGISTRATION No: F-2488

DRAINAGE AREA MAP
E. BOYDSTUN AVE.
FROM S. GOLIAD ST TO S. CLARK ST
PUBLIC WORKS DEPARTMENT
CITY OF ROCKWALL, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	SHEET NO.
EJES	EJES	MAY 2017	1"=50' H			47