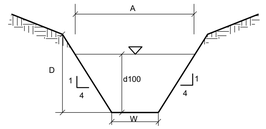
CHANNEL PARAMETERS

Channel	Section	'W'	'D'	'A'	'd100'
1	A-A	2	4	12	1.26
2	B-B	2	4	16	1.76
3	C-C	2	4	17	1.89
4	D-D	2	4	23	2.66
5	E-E	3	2.75	16	1.72



TYPICAL CHANNEL SECTION A-A
NTS

LEGEND	
SYMBOL	DESCRIPTION
850	EXISTING CONTOUR
	DRAINAGE FLOW DIRECTION
	DRAINAGE AREA BOUNDARY
DA # ## AC.	DRAINAGE AREA LABEL

N W E S

GRAPHIC SCALE 1"=100'
100 0 100 200

CULVERT No. 1
PRIVATE DRIVE #1
DA -1a 1.30 AC.
CULVERT No. 2
PRIVATE DRIVE #2
DA -1b 1.55 AC.
INTERSTATE 20 FRONTAGE RD.
DA-2 1.14 AC.
CULVERT No. 3
LOT 3
DA-11 3.11 AC.
DA-6 0.64 AC.
DA-3 1.97 AC.
DA-5 1.33 AC.
LOT 2
DA-7 0.65 AC.
LOT 1
DA-8 0.51 AC.
PROPOSED 15' DRAINAGE EASEMENT
DA-4 9.78 AC.
DA-9 1.26 AC.
DA-10 0.53 AC.
E. BANKHEAD HIGHWAY
A A A A
B B
C C
D D
E E

DRAINAGE AREA SUMMARY

AREA	ACRES	'C'	Tc *	I10	I25	I100	Q10	Q25	Q100
2	1.14	0.50	10	6.45	8.80	9.83	3.68	5.02	5.60
3	1.97	0.50	10	6.45	8.80	9.83	6.35	8.67	9.68
4	9.78	0.85	10	6.45	8.80	9.83	53.62	73.15	81.72
5	1.33	0.80	10	6.45	8.80	9.83	6.86	9.36	10.46
6	0.64	0.80	10	6.45	8.80	9.83	3.30	4.51	5.03
7	0.65	0.80	10	6.45	8.80	9.83	3.35	4.58	5.11
8	0.51	0.80	10	6.45	8.80	9.83	2.63	3.59	4.01
9	1.26	0.80	10	6.45	8.80	9.83	6.50	8.87	9.91
10	0.53	0.80	10	6.45	8.80	9.83	2.73	3.73	4.17
11	3.11	0.80	10	6.45	8.80	9.83	16.05	21.89	24.46

** RAINFALL INTENSITIES BASED ON iSWM PRECEP VALUES FOR PARKER COUNTY, ISWM APRIL 2020
*** 2 YR - 24 HR RAINFALL FOR PARKER COUNTY = 3.449 IN

REVISIONS
NO. | DESCRIPTION | DATE

6221 Southwest Boulevard, Suite 100
Fort Worth, Texas 76132
(O) 817.231.8100 (F) 817.231.8144
Texas Registered Engineering Firm F-10998
Texas Registered Survey Firm F-10158800
www.barronstark.com

Barron•Stark Engineers

STATE OF TEXAS
CHARLES F. STARK
57357
REGISTERED PROFESSIONAL ENGINEER
Charles Stark
08/10/2021
USE OF THIS ELECTRONIC SEAL/SIGNATURE AUTHORIZED BY CHARLES F. STARK, P.E. TEXAS REGISTRATION NO. 57357

DRAINAGE AREA MAP
LOT 2, PORTER ADDITION
CITY OF WILLOW PARK
PARKER COUNTY, TEXAS

CLIENT No.	428
PROJECT No.	9684
DESIGN:	CFS
DRAWN:	RCP
CHECKED:	CFS
DATE:	APRIL 2021

SHEET
C10.0

USER: CHUCK STARK
PLOTTED ON: 4/7/2021 1:53 PM
FILE NAME: N:\BARRON STARK SWIFT ENG\428 BASIC DEVELOPERS, LLC\9684 - SITE DEVELOPMENT PORTER TRACT\00 DWG\00 DWG\428-9684 C10.0 DRAINAGE AREA MAP.DWG