

**RUNOFF COMPUTATIONS**

Area #	Area (sf)	Area (acres)	Runoff Coefficient	CA	Tc (min)	I(100) (in/hr)	Q(100) (cfs)	Drains To:
1	98036	2.25	0.50	1.13	10	9.80	11.0	Inlet 1
2	97380	2.24	0.50	1.12	10	9.80	11.0	Inlet 2
3	56216	1.29	0.50	0.65	10	9.80	6.3	Inlet 3
4	55907	1.28	0.50	0.64	10	9.80	6.3	Inlet 4
5	147682	3.39	0.50	1.70	10	9.80	16.6	Inlet 5
6	96015	2.20	0.50	1.10	10	9.80	10.8	Inlet 6
7	99412	2.28	0.50	1.14	10	9.80	11.2	Inlet 7
8	134741	3.09	0.50	1.55	10	9.80	15.2	Inlet 8
9	86597	1.99	0.50	0.99	10	9.80	9.7	Inlet 9
10	96540	2.22	0.50	1.11	10	9.80	10.9	Inlet 10
11	104169	2.39	0.50	1.20	10	9.80	11.7	Inlet 11
12	105770	2.43	0.50	1.21	10	9.80	11.9	Inlet 12
13	49827	1.14	0.50	0.57	10	9.80	5.6	Inlet 13
14	32590	0.75	0.50	0.37	10	9.80	3.7	Inlet 14
15	106200	2.44	0.50	1.22	10	9.80	11.9	Inlet 15
16	92780	2.13	0.50	1.06	10	9.80	10.4	Inlet 16
17	79680	1.83	0.50	0.91	10	9.80	9.0	Inlet 17
18	67783	1.56	0.50	0.78	10	9.80	7.6	Inlet 18
19A	22756	0.52	0.50	0.47	10	9.80	4.6	Inlet 19
19B	12208	0.28	0.50	0.14	10	9.80	1.4	Inlet 19
20A	8703	0.20	0.50	0.18	10	9.80	1.8	Inlet 20
20B	6035	0.14	0.50	0.07	10	9.80	0.7	Inlet 20
21	175258	4.02	0.50	2.01	10	9.80	19.7	Detention Pond
22	39350	0.90	0.50	0.45	10	9.80	4.4	Hays&John King
23	227251	5.22	0.50	2.61	10	9.80	25.6	Future
24	63288	1.45	0.90	1.31	10	9.80	12.8	Future
25	28295	0.65	0.90	0.58	10	9.80	5.7	Future
26	1528630	35.1	0.50	17.55	10	9.80	172.0	Future
27	27944	0.64	0.50	0.32	10	9.80	3.1	Ex. 12" RCP in Qual Run

Area 19 Weighted C

area	area	c	ca
sf	acres		
19a	22756	0.52	0.47
19b	12208	0.28	0.14
	34964	0.80	0.61

Area 20 Weighted C

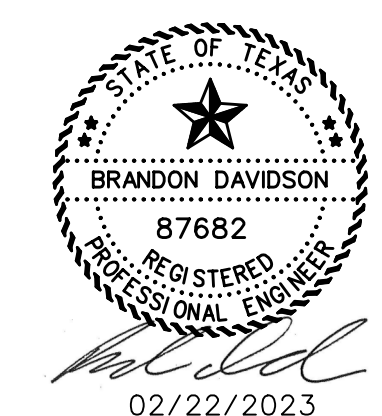
area	area	c	ca
sf	acres		
20A	8703	0.20	0.18
20B	6035	0.14	0.07
	14738	0.34	0.25

**LEGEND**

- PROP. STORM SEWER
- PROP. CURB INLETS
- PROP. CONC. HEADWALL
- EXIST. STORM SEWER
- DRAINAGE AREA DIVIDE
- FLOW ARROW
- DRAINAGE AREA NO.



RECORD DRAWINGS  
JANUARY 2024  
INFORMATION PROVIDED  
BY CONTRACTORS  
(NOT FIELD VERIFIED)



**CORWIN ENGINEERING, INC.**  
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TBPE FIRM #5951

**DEVELOPMENT PLANS FOR  
QUAIL HOLLOW  
PHASE I  
ROCKWALL, TEXAS**

POST-PROJECT CONDITIONS  
DRAINAGE AREA MAP  
SHEET 1 OF 2

DRAWN BY	DESIGNED BY	CHECKED BY	SHEET NO.
JOB NUMBER	DATE	SCALE: HOR: 1"=40' VER: 1"=4'	26
22036	FEBRUARY 2023		