



LEGEND

- ① — DRAINAGE AREA NUMBER
- 0.55 — DRAINAGE AREA SIZE (AC)
- DRAINAGE DIVIDE
- FLOW DIRECTION
- - - - EXISTING CONTOURS

N 44°00'26" E 247.53'

DRAINAGE CALCULATIONS

AREA NO.	AREA (ACRES)	C	Tc (MIN)	I ₁₀₀ (IN/HR)	Q ₁₀₀ (CFS)	COMMENTS
1	0.55	0.90	10	9.8	4.9	TO DETENTION POND
2	0.45	0.90	10	9.8	4.0	TO INLET 1.0
3	0.10	0.90	10	9.8	0.9	TO DRAINAGE AREA 1
4	0.26	0.90	10	9.8	2.3	TO DRAINAGE AREA 2
5	0.27	0.90	10	9.8	2.4	TO DRAINAGE AREA 6
6	0.91	0.90	10	9.8	8.0	TO CURB INLET 1.3
7	0.16	0.90	10	9.8	1.4	TO DRAINAGE AREA 6
8	0.93	0.90	10	9.8	8.2	TO CURB INLET 1.4
9	0.09	0.90	10	9.8	0.8	TO DRAINAGE AREA 3 & 1
10	1.03	0.90	10	9.8	9.1	TO CURB INLET
11	0.20	0.90	10	9.8	1.8	TO EXISTING ROOF DRAIN-STORM
12	0.40	0.90	10	9.8	3.5	DETENTION POND
13	0.82	0.90	10	9.8	7.2	EXISTING TO DETENTION
14	0.66	0.90	10	9.8	5.8	TO STORM 2
15	1.62	0.90	10	9.8	14.3	DETENTION POND 1
16	1.24	0.90	10	9.8	10.9	BYPASS TO FLOODPLAIN
17	2.00	0.90	10	9.8	17.6	TO DETENTION POND 2
18	0.14	0.90	10	9.8	1.23	OFFSITE TO AREA 8
19	2.36	0.90	10	9.8	20.8	TO SIDS ROAD CULVERT
20	5.39	0.90	15	9.0	43.7	OFFSITE - TO SIDS ROAD DITCH

RECORD DRAWINGS

To the best of our knowledge Engineering Concepts & Design, L.P., hereby states that this plan is As-Built. This information provided is based on surveying at the site and information provided by the contractor.

Todd Winters 6-13-19
TODD WINTERS DATE

BENCHMARK:
"X" CUT IN CURB 23± SOUTH OF EAST DRIVE APPROACH OF EXISTING RAYBURN COUNTRY ELECTRIC BUILDING.

ENGINEERINGCONCEPTS & DESIGN, L.P.

ENGINEERING / PROJECT MANAGEMENT / CONSTRUCTION SERVICES - FIRM REG. #F-00145
201 WINDCO CIR, STE 200, WYLIE, TX 75098
972-941-8400 FAX: 972-941-8401 WWW.ECDLP.COM

REVISIONS:

DRAWN: TONY	DATE: APRIL 13, 2018
CHECKED: TW	DATE: APRIL 13, 2018
PROJECT NO.: 3560	
DWG FILE NAME:	

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF CONSTRUCTION.



DRAINAGE AREA MAP
RAYBURN ELECTRIC COOP. PHASE 2
LOT 5, BLK 1 RAYBURN COUNTRY ADDITION
CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

SHEET
07
OF
20

Case No. SP2017-041