

**RUNOFF CALCULATIONS - BELT LINE ROAD TO ARAPAHO ROAD**

AREA NUM.	AREA (AC.)	RUNOFF COEFF. "C"	DESIGN STORM FREQ. (YEAR)	TIME OF CONC. (MIN.)	INTENSITY (IN./HR.)	Q= CIA (C.F.S.)	REMARKS
A1	1.37	0.90	100	10.00	8.74	10.78	Commercial / Retail
A2	1.06	0.90	100	10.00	8.74	8.34	Commercial / Retail
A3	0.32	0.90	100	10.00	8.74	2.52	Commercial / Retail
A4	0.17	0.90	100	10.00	8.74	1.34	Commercial / Retail
A5	5.96	0.90	100	10.00	8.74	46.88	Commercial / Retail
A5A	0.64	0.90	100	10.00	8.74	5.03	Commercial / Retail
A6	0.64	0.90	100	10.00	8.74	5.03	Commercial / Retail
A7A	0.26	0.90	100	10.00	8.74	2.05	Commercial / Retail
A7B	0.20	0.90	100	10.00	8.74	1.57	Commercial / Retail
A8	0.74	0.90	100	10.00	8.74	5.82	Commercial / Retail
A9	0.53	0.90	100	10.00	8.74	4.17	Commercial / Retail
A10	0.70	0.90	100	10.00	8.74	5.51	Commercial / Retail
A11	0.64	0.90	100	10.00	8.74	5.03	Commercial / Retail
A12	0.33	0.90	100	10.00	8.74	2.60	Commercial / Retail
A13	0.37	0.90	100	10.00	8.74	2.91	Commercial / Retail
B1	1.25	0.90	100	10.00	8.74	9.83	Commercial / Retail
B2	2.91	0.90	100	10.00	8.74	22.89	Commercial / Retail
B3	1.19	0.90	100	10.00	8.74	9.36	Commercial / Retail
B4	0.30	0.90	100	10.00	8.74	2.36	Commercial / Retail
C1	4.00	0.90	100	10.00	8.74	31.46	Commercial / Retail
CE1	0.15	0.90	100	10.00	8.74	1.18	Commercial / Retail
CE2	0.15	0.90	100	10.00	8.74	1.18	Commercial / Retail
CE3	0.16	0.90	100	10.00	8.74	1.26	Commercial / Retail
CE4	0.44	0.90	100	10.00	8.74	3.46	Commercial / Retail
D1	0.23	0.90	100	10.00	8.74	1.81	Commercial / Retail
D2	0.23	0.90	100	10.00	8.74	1.81	Commercial / Retail
D3	0.23	0.90	100	10.00	8.74	1.81	Commercial / Retail
CE	0.26	0.90	100	10.00	8.74	2.05	Commercial / Retail

PROPOSED HOME 2 SUITES-SITE DEVELOPMENT  
PART OF AREAS A5 & B1


SEE SHEET 7 FOR OFF-SITE DRAINAGE AREA MAP BY OTHERS. INCLUDED IN THIS SET FOR INFORMATION AND CLARIFICATION OF DESIGN CRITERIA USED FOR ADDISON ROAD IMPROVEMENTS.

Benchmark

Town of Addison Control Point No. COA-5. 190 feet south from the intersection of Edwin Lewis Dr & Quorum Drive. Then 2 feet from the west edge of sidewalk, 50.5 feet from the west side of median in Quorum Dr & 76 feet from fire hydrant.  
NAVD 88 Elevation = 630.10'

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THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRICING AND INTERIM REVIEW UNDER THE AUTHORITY OF RICHARD CARSON, JR. P.E. NO. 40854 ON 2/6/15.

 <b>Fiburn &amp; Carson, LLC</b> <small>801 E. Campbell Road - Suite 375 Richardson, Texas 75081 Ph: (972) 238-3600 Fax: (972) 238-3512 www.fiburncarson.com email@fiburncarson.com Surveying Firm #00871-00 Engineering Firm #01224</small>		<b>OFF-SITE DRAINAGE CALC'S</b> HOME 2 SUITES by HILTON SITE DEVELOPMENT PUBLIC WORKS DEPARTMENT TOWN OF ADDISON, TEXAS					
		DESIGN	DRAWN	DATE	SCALE	NOTES	FILE
RC	JRG	2/6/15	1"=20'	PC	-	-	-

Filename: \\HP-FTGL\AN\share\Drawings\2015\15151614-HOME 2 SUITES ADDISON\Design Data\Sheets\15151614-C-D\A101.dwg Date: Friday, February 06, 2015 Time: 2:06 PM Plotted by: Jorge Gonzalez