

LEGEND

- 549--- EXISTING MINOR CONTOUR (1 FOOT)
- 550--- EXISTING MAJOR CONTOUR (5 FOOT)
- EXISTING DRAINAGE BOUNDARY

E-1
0.28
0.83

FLOOD HAZARD DESIGNATION

NO PART OF THIS SITE LIES WITHIN THE ESTABLISHED AREA OF SPECIAL FLOOD HAZARD AS ESTABLISHED BY THE CURRENT FLOOD INSURANCE STUDY FLOOD HAZARD BOUNDARY MAP, 48397C0040L, DATED 09/26/2008.

NO.	REVISION	DATE
5		
4		
3		
2		
1		
	MARK	

PRE-DEVELOPED COMPOSITE RUNOFF COEFFICIENTS

Drainage Area Number	Land Use		Total Acres (acres)	Composite Runoff Coefficient
	Commercial Business	Undeveloped		
	0.90	0.35		
E-1	-	0.28	0.28	0.35
E-2	-	0.05	0.05	0.35
E-3	-	1.31	1.31	0.35
E-4	-	0.11	0.11	0.35
Total	0.00	1.74	1.74	0.35

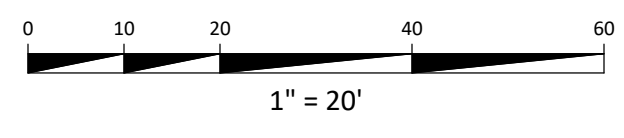
Form 3.1: Drainage Area Calculations Table

Area ID	Drainage Area	Runoff Coeff.	C*A	Tc	Design Storm Frequency	Intensity	Storm Runoff	Drains To / Remarks
	acres	C		min	hrs	in/hr	cfs	
E-1	0.28	0.35	0.10	20.00	100	8.30	0.82	Drains north to existing curb inlet within Rock Ridge Assisted Living
E-2	0.05	0.35	0.02	20.00			0.14	Drains west to E. Ralph Hall Pkwy. ROW
E-3	1.31	0.35	0.46	20.00			3.79	Drains to existing drop inlet at northeast corner of site
E-4	0.11	0.35	0.04	20.00			0.31	Drains to southeast corner of site, to Mims Rd. ROW
Total	1.74	0.35					5.06	

Calculations based on the City of Rockwall Standards of Design & Construction

FINAL AS-BUILT RECORD PLANS

TO THE BEST OF OUR KNOWLEDGE, KSA, HEREBY STATES THAT THIS PLAN IS AS-BUILT. THIS INFORMATION PROVIDED IS BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.



RESPONSIBILITY NOTE

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

DRAWING PATHNAME: LAYOUT1.PLOT DATE: TIME

**COURTIN DENTAL OFFICE
ROCKWALL, TEXAS 75032**

EXISTING DRAINAGE PLAN

DRAWN BY: TG
DESIGNED BY: DK
LATEST REVISION: 07/20/2021
KSA JOB NO.: 18-1620-01

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SEAL: TBPE Firm Registration No. F-1356
SHEET NO. **C5.0**