

**LEGEND**

- 549 --- EXISTING MINOR CONTOUR (1 FOOT)
- 550 --- EXISTING MAJOR CONTOUR (5 FOOT)
- 549 --- PROPOSED MINOR CONTOUR (1 FOOT)
- 550 --- PROPOSED MAJOR CONTOUR (5 FOOT)
- - - - - PROPOSED RIDGE LINE
- - - - - PROPOSED FLOW LINE
- - - - - PROPOSED DRAINAGE BOUNDARY

**P-1**  
0.14  
1.28

**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, 4897C0040, DATED 09/26/2008.

NO.	DATE	REVISION	MARK
5			
4			
3			
2			
1			

**COURTIN DENTAL OFFICE  
ROCKWALL, TEXAS 75032**

**PROPOSED DRAINAGE PLAN**

**POST-DEVELOPED COMPOSITE RUNOFF COEFFICIENTS**

Drainage Area Number	Land Use		Composite Runoff Coefficient
	Commercial Business	Total Acres (acres)	
P-1	0.14	0.14	0.90
P-2	0.29	0.29	0.90
P-3	0.13	0.13	0.90
P-4	0.62	0.62	0.90
P-5	0.10	0.10	0.90
P-6	0.10	0.10	0.90
P-7	0.08	0.08	0.90
P-8	0.20	0.20	0.90
P-9	0.08	0.08	0.90
<b>Total</b>	<b>1.74</b>	<b>1.74</b>	<b>0.90</b>

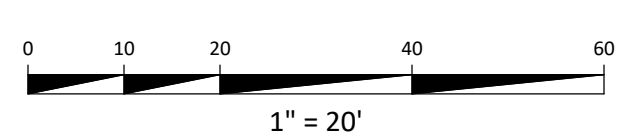
**Form 3.1: Drainage Area Calculations Table**

Area ID	Drainage Area	Runoff Coeff.	C*A	Tc	Design Storm Frequency	Intensity I	Storm Runoff Q	Drains To / Remarks
P-1	0.14	0.90	0.13	10.00	100	9.80	1.28	North to existing curb inlet within Rock Ridge Assisted Living
P-2	0.29	0.90	0.26	10.00			2.52	North to proposed curb inlet C-2
P-3	0.13	0.90	0.12	10.00			1.14	East to proposed curb inlet C-3
P-4	0.62	0.90	0.56	10.00			5.48	Northeast to proposed curb inlet C-1
P-5	0.10	0.90	0.09	10.00			0.93	
P-6	0.10	0.90	0.09	10.00			0.90	Southeast to Mims Rd. ROW
P-7	0.08	0.90	0.07	10.00			0.68	Roof drains connect to proposed storm sewer pipe; discharges to existing drop inlet at northeast corner of site
P-8	0.20	0.90	0.18	10.00			1.76	Two (2) playground drains connect to proposed storm sewer pipe
P-9	0.08	0.90	0.07	10.00			0.69	Roof drains connect to proposed storm sewer pipe; discharges to existing drop inlet at northeast corner of site
<b>Total</b>	<b>1.74</b>	<b>0.90</b>				<b>15.37</b>		

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.

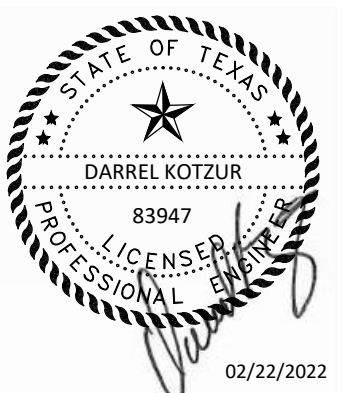


Know what's below.  
Call before you dig.

**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.

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



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