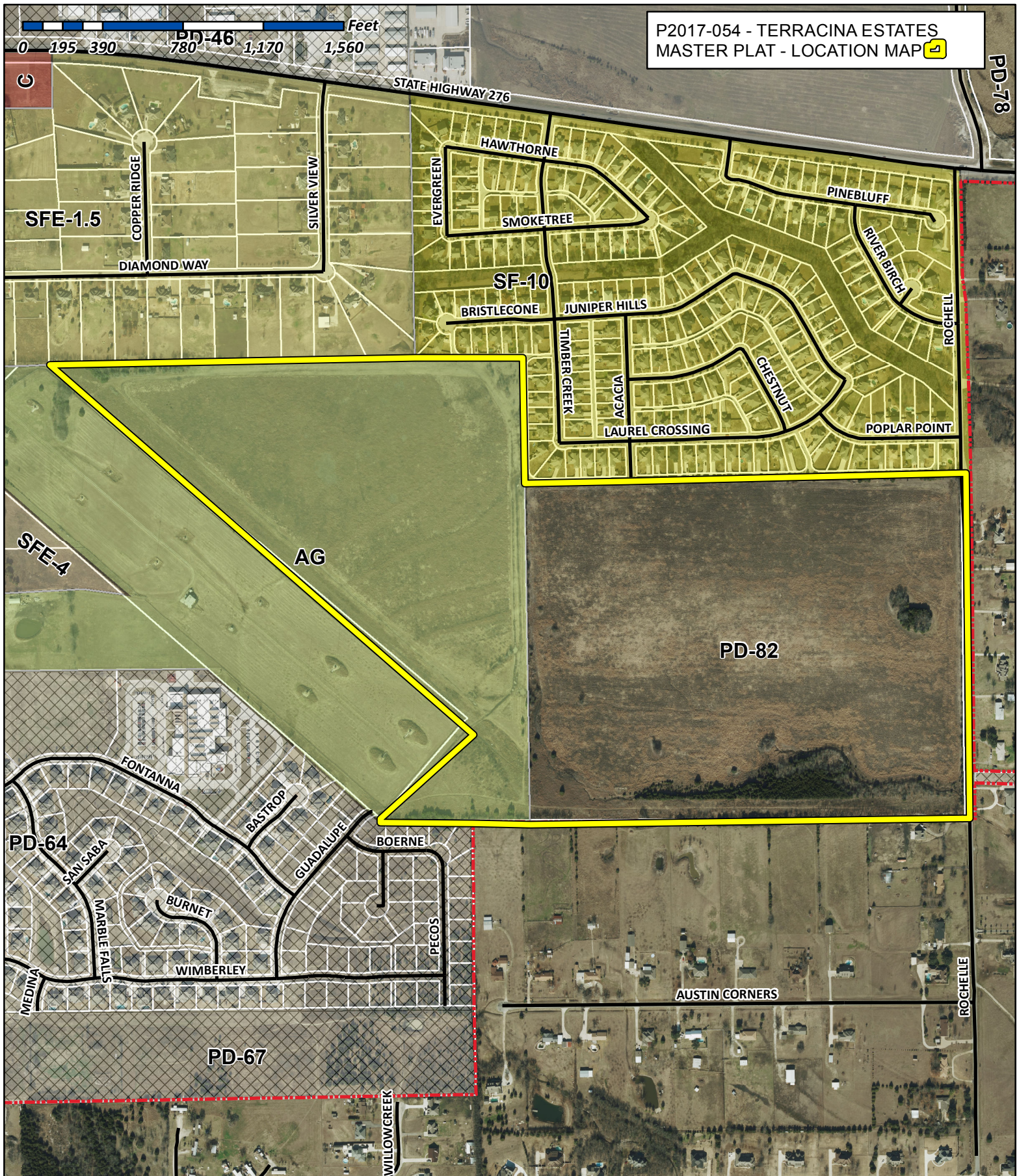
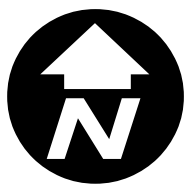


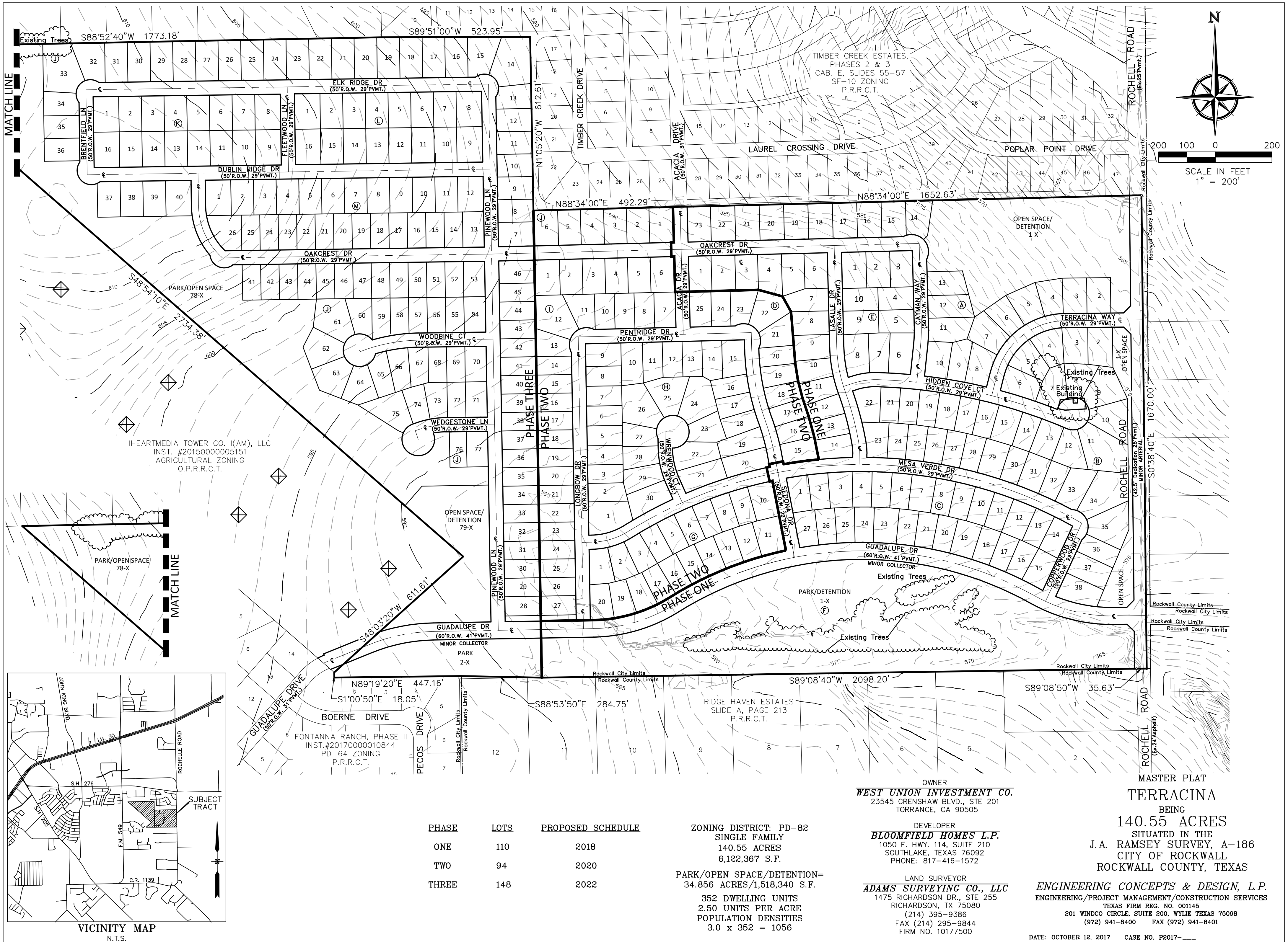


City of Rockwall

Planning & Zoning Department
 385 S. Goliad Street
 Rockwall, Texas 75032
 (P): (972) 771-7745
 (W): www.rockwall.com

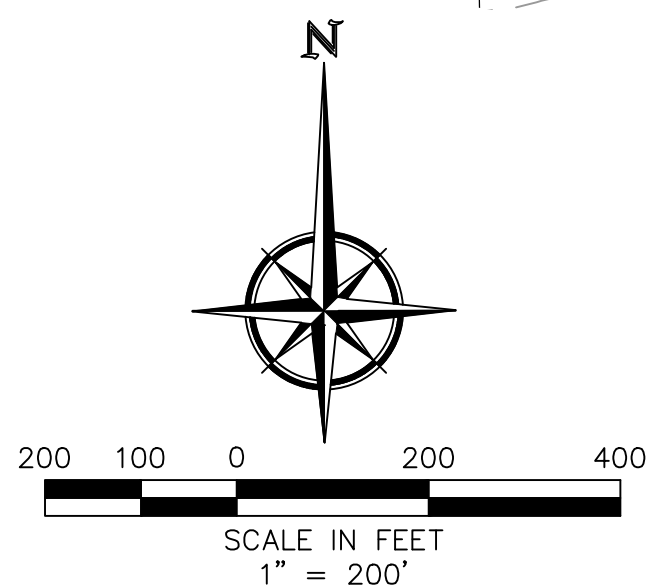
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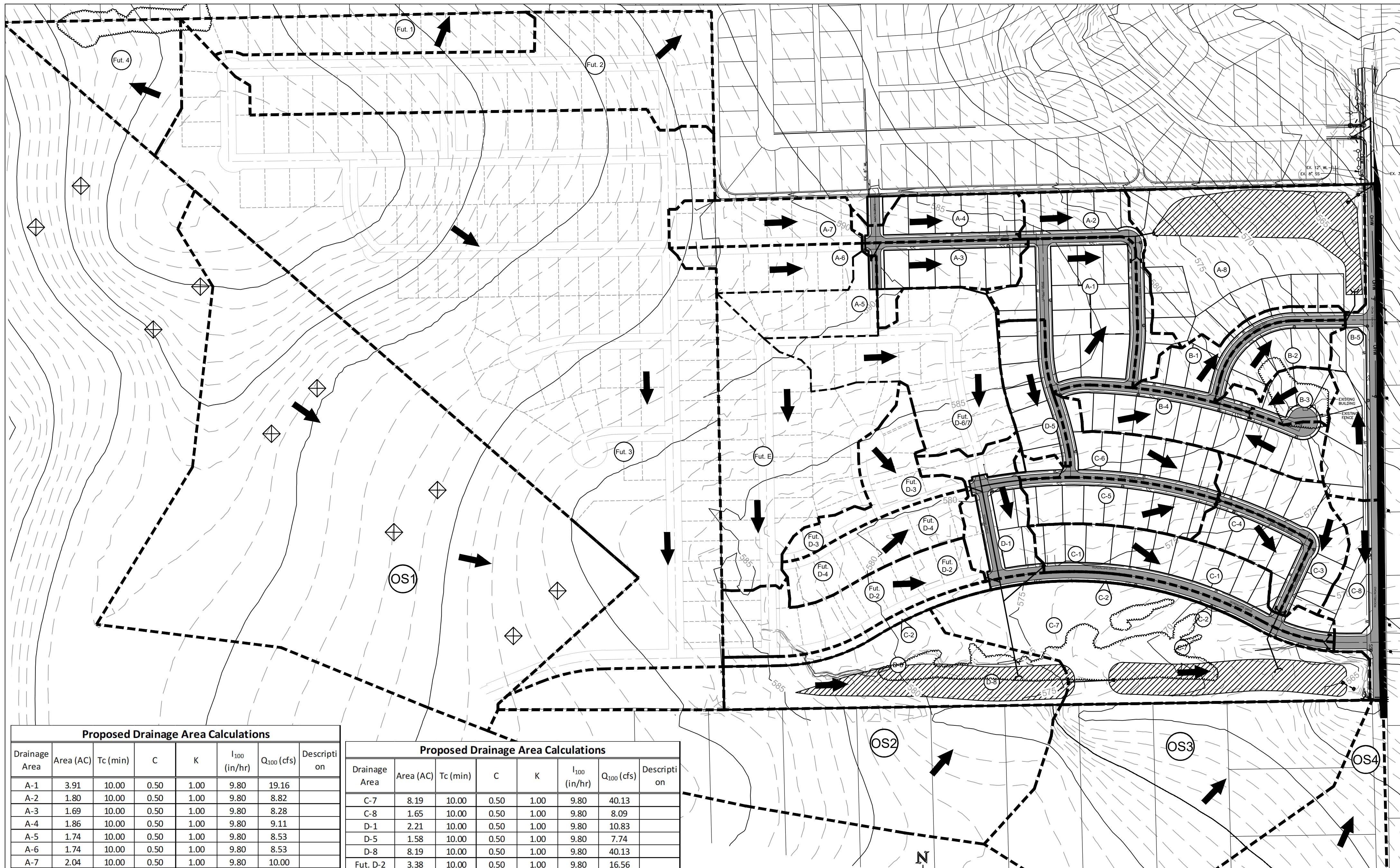




Existing Drainage Area Calculations							
Drainage Area	Area (AC)	Tc (Min)	C	K	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	Description
A	14.05	15.00	0.35	1.00	9.00	44.26	
B	10.73	15.00	0.35	1.00	9.00	33.80	
C	56.73	15.00	0.35	1.00	9.00	178.70	
D	34.72	15.00	0.35	1.00	9.00	109.37	
E	8.90	15.00	0.35	1.00	9.00	28.04	
F	5.76	15.00	0.35	1.00	9.00	18.14	
G	4.93	15.00	0.35	1.00	9.00	15.53	Area not accounted for by existing development
H	4.68	15.00	0.35	1.00	9.00	14.74	
OS1	31.81	15.00	0.35	1.00	9.00	100.20	
OS2	12.34	15.00	0.35	1.00	9.00	38.87	
OS3	13.01	15.00	0.35	1.00	9.00	40.98	
OS4	14.51	15.00	0.35	1.00	9.00	45.71	

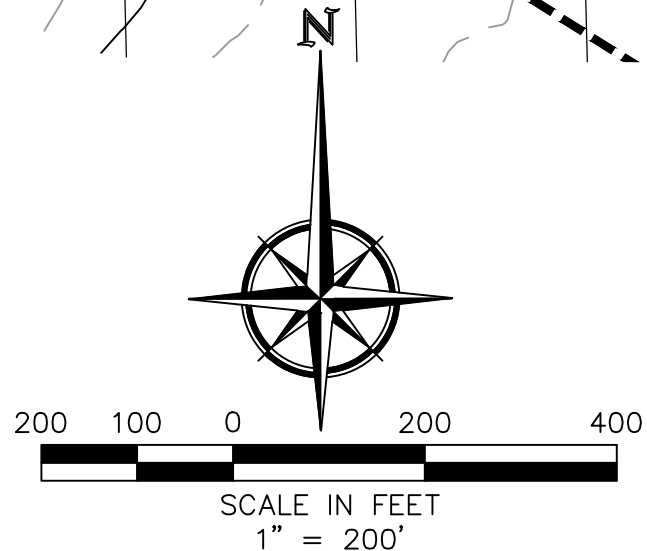


PRELIMINARY EXISTING DRAINAGE PLAN
TERRACINA
ENGINEERING CONCEPTS & DESIGN, L.P.
ENGINEERING/PROJECT MANAGEMENT/CONSTRUCTION SERVICES
TEXAS FIRM REG. NO. 001145
201 WINDCO CIRCLE, SUITE 200, WYLIE TEXAS 75098
(972) 941-8400 FAX (972) 941-8401



Proposed Drainage Area Calculations							
Drainage Area	Area (AC)	Tc (min)	C	K	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	Description
A-1	3.91	10.00	0.50	1.00	9.80	19.16	
A-2	1.80	10.00	0.50	1.00	9.80	8.82	
A-3	1.69	10.00	0.50	1.00	9.80	8.28	
A-4	1.86	10.00	0.50	1.00	9.80	9.11	
A-5	1.74	10.00	0.50	1.00	9.80	8.53	
A-6	1.74	10.00	0.50	1.00	9.80	8.53	
A-7	2.04	10.00	0.50	1.00	9.80	10.00	
A-8	7.19	10.00	0.50	1.00	9.80	35.23	
B-1	1.30	10.00	0.50	1.00	9.80	6.37	
B-2	1.34	10.00	0.50	1.00	9.80	6.57	
B-3	1.05	10.00	0.50	1.00	9.80	5.15	
B-4	2.93	10.00	0.50	1.00	9.80	14.36	
B-5	2.65	10.00	0.50	1.00	9.80	12.99	
C-1	3.28	10.00	0.50	1.00	9.80	16.07	
C-2	1.45	10.00	0.50	1.00	9.80	7.11	
C-3	2.19	10.00	0.50	1.00	9.80	10.73	
C-4	1.35	10.00	0.50	1.00	9.80	6.62	
C-5	2.02	10.00	0.50	1.00	9.80	9.90	
C-6	2.12	10.00	0.50	1.00	9.80	10.39	

Proposed Drainage Area Calculations							
Drainage Area	Area (AC)	Tc (min)	C	K	I ₁₀₀ (in/hr)	Q ₁₀₀ (cfs)	Description
C-7	8.19	10.00	0.50	1.00	9.80	40.13	
C-8	1.65	10.00	0.50	1.00	9.80	8.09	
D-1	2.21	10.00	0.50	1.00	9.80	10.83	
D-5	1.58	10.00	0.50	1.00	9.80	7.74	
D-8	8.19	10.00	0.50	1.00	9.80	40.13	
Fut. D-2	3.38	10.00	0.50	1.00	9.80	16.56	
Fut. D-3	2.07	10.00	0.50	1.00	9.80	10.14	
Fut. D-4	2.14	10.00	0.50	1.00	9.80	10.49	
Fut. D-6/7	5.07	10.00	0.50	1.00	9.80	24.84	
Fut. E	7.13	10.00	0.50	1.00	9.80	34.94	
Fut. 1	3.07	10.00	0.50	1.00	9.80	15.04	
Fut. 2	8.74	10.00	0.50	1.00	9.80	42.83	
Fut. 3	43.39	10.00	0.50	1.00	9.80	212.61	
Fut. 4	3.22	10.00	0.50	1.00	9.80	15.78	
OS1	31.81	15.00	0.35	1.00	9.00	100.20	
OS2	12.34	15.00	0.35	1.00	9.00	38.87	
OS3	13.01	15.00	0.35	1.00	9.00	40.98	
OS4	14.51	15.00	0.35	1.00	9.00	45.71	



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