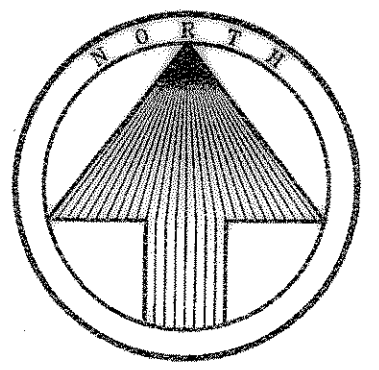


INLET CALCULATION CHART

No.	STREET NAME	Design Storm Frequency (Years)	AREA, RUNOFF				Runoff (cfs)	Carry-Over From Upstream Inlet (cfs)	Total Outlet Flow (cfs)	Outlet Slope (ft/ft)	Street Capacity (cfs)	Crown Type	SELECTED INLET		Carry-Over to Downstream Inlet (cfs)	
			Time of Conc. (min)	Intensity (in/hr)	Runoff Coefficient	Area in Acres							Length (ft)	Type		Depth (ft)
1	3+11.46 ALLEY J	100	10	9.80	0.50	1.38	6.80	0	6.80	1.30%	SAG	INV.	10'	CURB	0	
2	8+15 WINDHAM DR.	100	"	"	"	1.61	7.90	0	8.00	3.80%	17.7	6" PAR.	15'	CURB	0	
3	8+15 WINDHAM DR.	100	"	"	"	1.63	8.00	0	8.00	3.80%	17.7	6" PAR.	15'	CURB	0	
4	0+80 ALLEY H-2	100	"	"	"	2.20	10.8	0	10.8	3.55%	10.8	INV.	10'	CURB	5.10	
5	1+57.89 ALLEY H-3	100	"	"	"	0.51	2.50	5.10	7.60	2.20%	14.8	SAG	INV.	10'	CURB	0
6	2+19.87 THORDALE LN.	100	"	"	"	3.02	14.8	0	14.8	3.10%	14.8	6" PAR.	15'	CURB	0	
7	2+11.45 THORDALE LN.	100	"	"	"	0.74	3.60	0	3.60	3.10%	3.60	6" PAR.	15'	CURB	0	
8	0+50 GLENMERE CT.	100	"	"	"	0.49	2.40	0	2.40	6.42%	46.0	6" PAR.	15'	CURB	0	
9	0+50 GLENMERE CT.	100	"	"	"	1.85	9.10	0	9.10	6.00%	44.5	6" PAR.	15'	Curb	0	
10	2+00 HUNTECLIFF DR.	100	"	"	"	2.83	13.9	0	13.9	2.09%	13.9	SAG	6" PAR.	10'	Curb	0
11	2+00 HUNTECLIFF DR.	100	"	"	"	0.37	1.80	0	1.80	2.09%	1.80	SAG	6" PAR.	10'	Curb	0
12	EXISTING ALLEY	100	"	"	"	1.90	9.30	0	9.30	0.70%	5.20	INV.	10'	CURB	0	
13	0+15 HOLDEN DR.	100	"	"	"	2.04	10.0	0	10.0	1.00%	18.0	6" PAR.	10'	CURB	0	
14	0+15 HOLDEN DR.	100	10	"	0.50	2.04	10.0	0	10.0	1.00%	18.0	6" PAR.	10'	CURB	0	

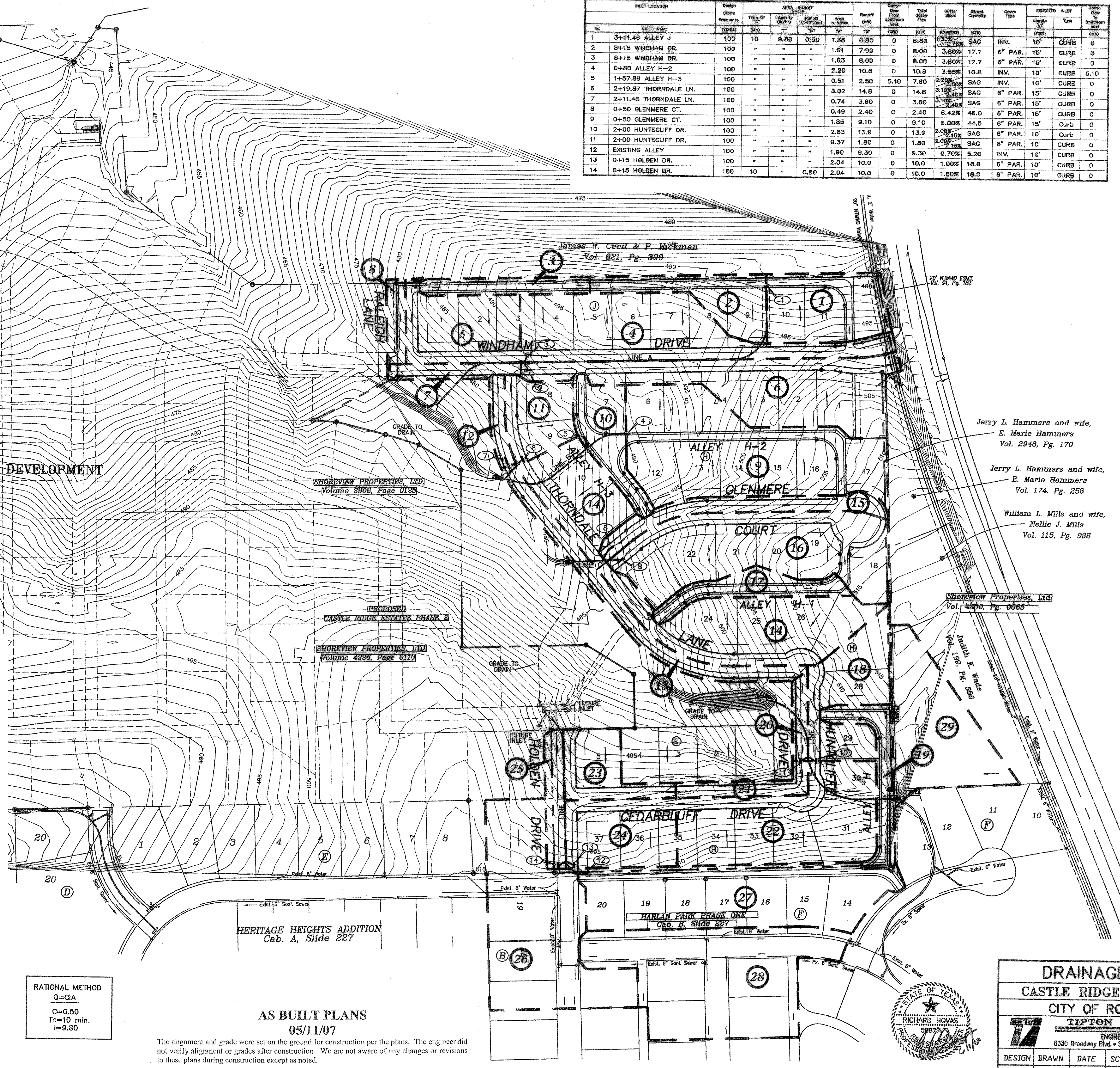


DRAINAGE CALCULATIONS						
NO.	ACRES	C	Tc	I ₁₀₀	Q ₁₀₀	REMARKS
1	0.81	0.50	10	9.80	4.0	TO LINE A
2	0.57	0.50	10	9.80	2.80	TO LINE A
3	0.28	0.50	10	9.80	1.40	TO FUTURE
4	1.63	0.50	10	9.80	8.00	TO LINE A
5	0.81	0.50	10	9.80	4.00	TO FUTURE
6	1.63	0.50	10	9.80	7.90	TO LINE A
7	0.20	0.50	10	9.80	1.00	TO FUTURE
8	0.16	0.50	10	9.80	0.80	TO FUTURE
9	2.20	0.50	10	9.80	10.8	TO LINE B
10	0.51	0.50	10	9.80	2.50	TO LINE B
11	0.50	0.50	10	9.80	2.50	TO LINE B
12	0.14	0.50	10	9.80	0.70	TO LINE B
13	0.60	0.50	10	9.80	2.90	TO LINE B
14	2.10	0.50	10	9.80	10.3	TO LINE B
15	0.49	0.50	10	9.80	2.40	TO LINE C
16	1.85	0.50	10	9.80	9.10	TO LINE C
17	0.40	0.50	10	9.80	2.00	TO LINE B
18	0.83	0.50	10	9.80	4.10	TO LINE D
19	0.40	0.50	10	9.80	2.00	TO LINE D
20	0.13	0.50	10	9.80	0.60	TO LINE D
21	0.24	0.50	10	9.80	1.20	TO LINE D
22	1.60	0.50	10	9.80	7.80	TO LINE D
23	0.50	0.50	10	9.80	2.50	TO FUTURE
24	0.76	0.50	10	9.80	3.70	TO FUTURE
25	0.27	0.50	10	9.80	1.30	TO FUTURE
26	1.91	0.50	10	9.80	9.40	TO LINE E
27	1.98	0.50	10	9.80	9.70	TO LINE E
28	2.04	0.50	10	9.80	10.3	TO LINE E
29	1.21	0.50	10	9.80	5.90	TO LINE D

RATIONAL METHOD
 $Q=CIA$
 C=0.50
 Tc=10 min.
 I=9.80

AS BUILT PLANS
 05/11/07

The alignment and grade were set on the ground for construction per the plans. The engineer did not verify alignment or grades after construction. We are not aware of any changes or revisions to these plans during construction except as noted.



DRAINAGE AREA MAP
 CASTLE RIDGE ESTATES PHASE 1
 CITY OF ROCKWALL, TEXAS
 TIPTON ENGINEERING, INC.
 ENGINEERING • SURVEYING • PLANNING
 6330 Broadway Blvd. • Suite C • Garland, Texas 75043 • (972) 226-2867

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
TE, Inc.	TE, Inc.	XXX	1"=100' H.	TE, Inc.	4802	9

