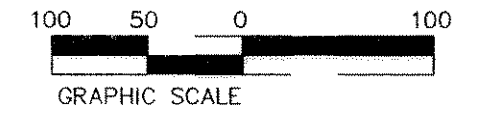
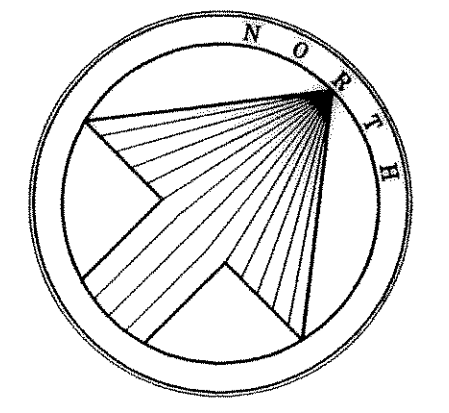


INLET CALCULATION CHART

INLET NO.	INLET LOCATION	DESIGN FREQUENCY (YEARS)	TIME "TC" (MIN)	INTENSITY "I" (IN/HR)	DEVELOPED RUNOFF COEFFICIENT "C"	DRAINAGE AREA (ACRES)	"Q" (CFS)	BYPASS FROM INLET (CFS)	INLET CAPACITY (CFS)	GUTTER SLOPE (FT/100FT)	CROWN TYPE	LENGTH OF INLET (FEET)	INLET TYPE	BYPASS TO INLET	
A10	REDWOOD DR.	100	10	9.8	0.50	1.09	5.34		7.3	0.50	PAR	10	CB		
A9	REDWOOD DR.	100	10	9.8	0.50	2.20	10.78		7.3	0.50	PAR	10	CB	1.52	
A8	BLACK OAK LN	100	10	9.8	0.50	1.37	6.72	1.52	5.9	2.46	PAR	10	CB		
A7	BLACK OAK LN	100	10	9.8	0.50	1.36	6.66		5.9	2.56	PAR	10	CB	3.10	
A6	SEQUOIA RD	100	10	9.8	0.50	1.94	9.51	3.10	7.3	0.57	PAR	12	CB		
A5	SEQUOIA RD	100	10	9.8	0.50	1.96	9.60		7.3	0.57	PAR	12	CB	12.90	
A4	SEQUOIA RD	100	10	9.8	0.50	0.74	3.63	12.90	8.40	0.57	PAR	12	CB		
A3	SEQUOIA RD	100	10	9.8	0.50	1.08	5.29		8.13	0.67	PAR	12	CB		
A2	TUBBS RD	100	10	9.8	0.50	1.95	9.56		6.8	0.80	ST. SL.	10	REC	2.76	
A1	TUBBS RD	100	10	9.8	0.50			2.76	2.76	0.80	ST. SL.	10	REC		
B6	MESQUITE CRT.	100	10	9.8	0.50	0.76	3.72		3.72	2.73	PAR	12	CB		
B5	MESQUITE CRT.	100	10	9.8	0.50	1.90	9.31		7.30	2.73	PAR	12	CB	2.01	
B4	BLACK OAK LN	100	10	9.8	0.50	1.34	6.57		8.94	0.55	PAR	12	CB	0.78	
B3	BLACK OAK LN	100	10	9.8	0.50	2.08	10.19	2.01	8.97	0.55	PAR	12	CB		
B2	PINION LN	100	10	9.8	0.50	1.62	7.94	0.78			SAG	PAR	12	CB	
B2	PINION LN	100	10	9.8	0.50	3.71	18.18		21.61	SAG	PAR	12	CB		
B1	PINION LN	100	10	9.8	0.50	1.85	9.07				SAG	PAR	12	CB	
B1	PINION LN	100	10	9.8	0.50	1.48	7.25		21.61	SAG	PAR	12	CB		

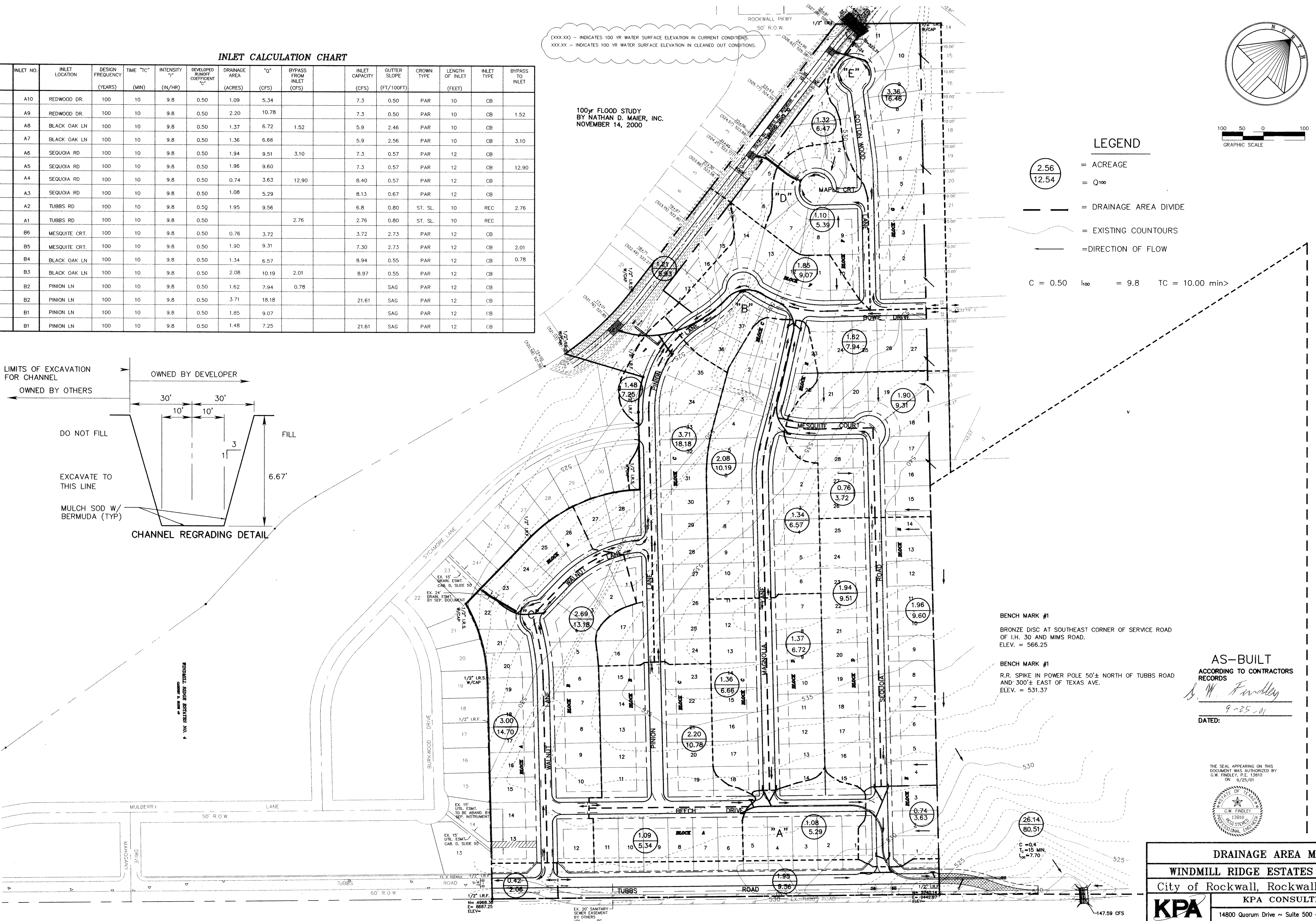
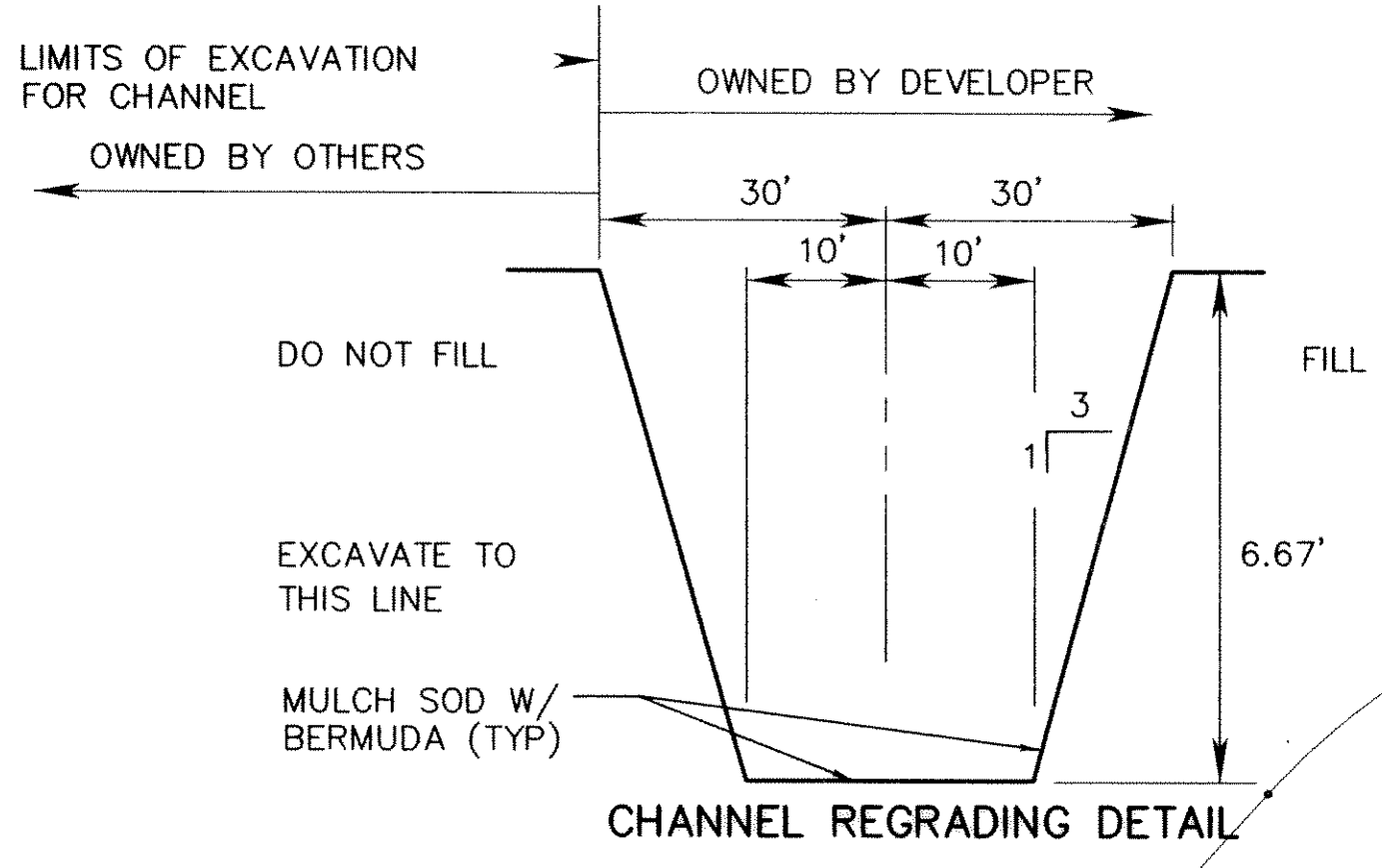
(XXX.XX) - INDICATES 100 YR WATER SURFACE ELEVATION IN CURRENT CONDITIONS.
 XXX.XX - INDICATES 100 YR WATER SURFACE ELEVATION IN CLEANED OUT CONDITIONS.

100yr FLOOD STUDY
 BY NATHAN D. MAIER, INC.
 NOVEMBER 14, 2000



LEGEND

- 2.56 = ACREAGE
 - 12.54 = Q₁₀₀
 - = DRAINAGE AREA DIVIDE
 - = EXISTING COUNTOURS
 - = DIRECTION OF FLOW
- C = 0.50 I₁₀₀ = 9.8 TC = 10.00 min >



BENCH MARK #1
 BRONZE DISC AT SOUTHEAST CORNER OF SERVICE ROAD OF I.H. 30 AND MIMS ROAD.
 ELEV. = 566.25

BENCH MARK #1
 R.R. SPIKE IN POWER POLE 50'± NORTH OF TUBBS ROAD AND 300'± EAST OF TEXAS AVE.
 ELEV. = 531.37

AS-BUILT
 ACCORDING TO CONTRACTORS RECORDS
S. W. Furdley
 9-25-01
 DATED:

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY
 G.W. FINDLEY, P.E. 13810
 ON 9/25/01



DRAINAGE AREA MAP					
WINDMILL RIDGE ESTATES PH. IV-B					
City of Rockwall, Rockwall Co. Texas					
KPA CONSULTING, INC.					
14800 Quorum Drive ~ Suite 500 ~ Dallas, Texas 75248					
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE NO.
G.W.F.	B.J.	2/05/00	1"=100' H	K.P.A.	20129
					X 15

F:\dwg\10129\AS-BUILT\grading & drain\129.dwg Tue Sep 25 14:04:22 2001 B. Johnson
 HP DesignJet 1050C Hewlett-Packard hp-9672 devices. A01 4 3 (14:5) - 1999052

WINDMILL RIDGE ESTATES PHASE IV-B