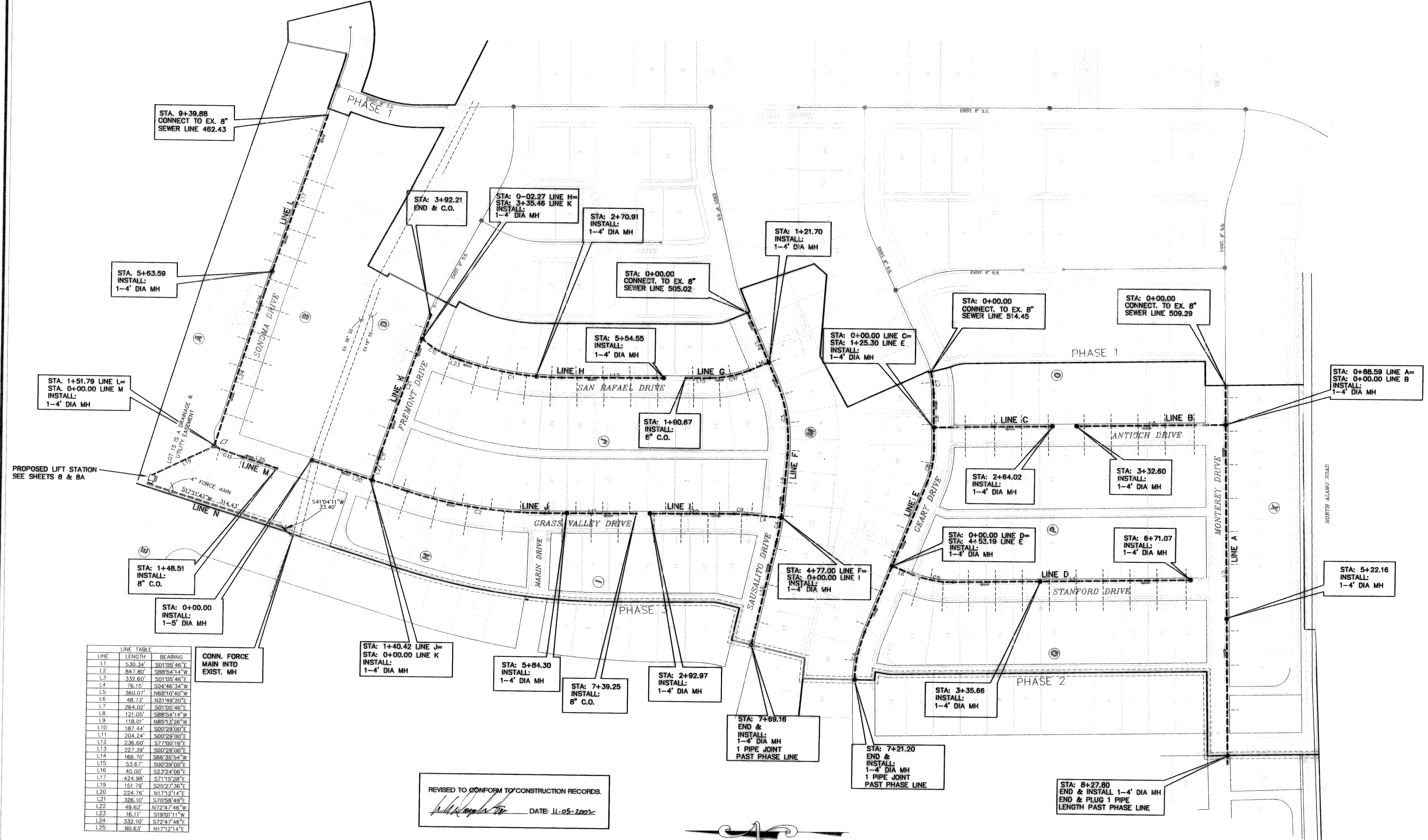


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**DOUPHRAFE & ASSOCIATES, INC.**  
 ENGINEERING - PROJECT MANAGEMENT - SURVEYING  
 2235 RIDGE RD., # 200 ROCKWALL, TEXAS 75087  
 PHONE: (972)771-9004 FAX: (972)771-8095

**SANITARY SEWER PLAN  
 LAKEVIEW SUMMIT, PHASE 1 - A  
 CITY OF ROCKWALL  
 ROCKWALL COUNTY, TEXAS**

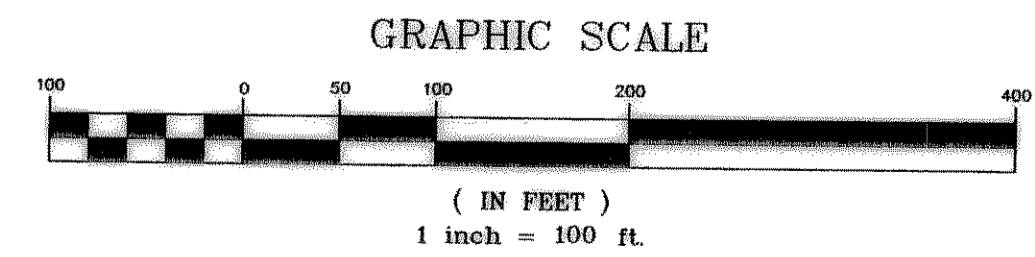
REVISION  
 W.L.D.  
 CHECKED  
 K.E.B.  
 DRAWN  
 8/21/00  
 DATE  
 9919-1ASEW  
 PROJECT



LINE TABLE

LINE	LENGTH	BEARING
L1	530.34'	S01°05'46"E
L2	847.80'	S88°54'14"W
L3	332.60'	S01°05'46"E
L4	78.15'	S04°48'34"W
L5	360.07'	N68°10'40"W
L6	48.73'	N21°49'20"E
L7	264.02'	S01°05'46"E
L8	121.05'	S88°54'14"W
L9	118.01'	N88°13'26"W
L10	187.44'	S00°29'00"E
L11	204.24'	S00°29'00"E
L12	236.60'	S77°00'19"E
L13	227.39'	S00°29'00"E
L14	166.70'	S66°35'54"W
L15	53.67'	S00°29'00"E
L16	46.00'	S23°24'08"E
L17	424.98'	S71°15'28"E
L18	151.79'	S25°27'36"E
L19	151.79'	S25°27'36"E
L20	224.76'	N17°12'14"E
L21	326.10'	S70°58'49"E
L22	49.62'	N72°47'46"W
L23	16.11'	S19°01'11"W
L24	332.10'	S72°47'46"E
L25	80.62'	N17°12'14"E

REVISED TO CONFORM TO CONSTRUCTION RECORDS.  
 DATE: 11-05-2002



CURVE TABLE

CURVE	LENGTH	RADIUS	TANGENT	CH DIST	DELTA
C1	231.47	680.00	116.86	509°18'08"W	230.35
C2	310.24	1005.00	156.36	S08°21'37"W	309.01
C3	169.67	345.00	86.59	N80°41'14"E	167.98
C4	78.18	545.00	39.16	S81°06'53"E	78.11
C5	92.00	230.00	46.62	S10°21'47"W	91.39
C6	108.83	285.00	55.04	N78°44'48"W	108.22
C7	48.25	205.00	24.74	N82°01'18"E	49.13
C8	82.00	205.00	41.56	S79°38'13"E	81.45
C9	29.37	320.00	14.70	N02°08'47"E	29.36
C10	92.00	230.00	46.62	S11°58'33"E	91.39
C11	16.48	520.00	8.24	N71°53'18"W	16.48
C12	81.85	200.00	41.51	S30°44'38"W	81.28
C13	67.89	753.39	33.97	S19°47'07"W	67.86
C14	27.39	1020.00	13.69	N72°01'37"W	27.38

----- TYPICAL 4" SEWER SERVICE  
 ◇ - STREET NAME CHANGE

NOTE: SERVICES TO BE 150 PSI PRESSURE PIPE