

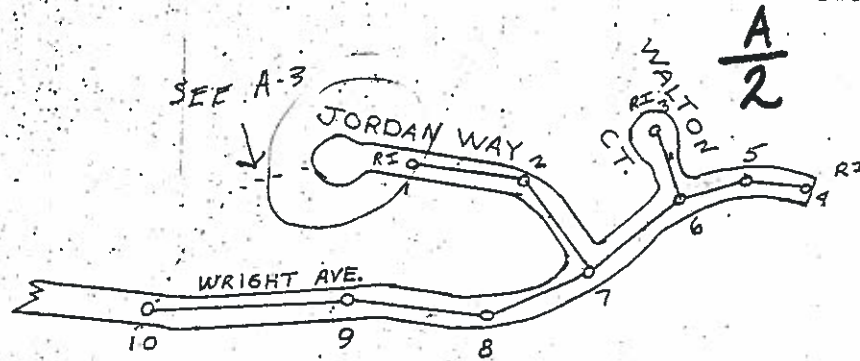
OF PINOLE

TOTAL SEWER FOOTAGE
 11-6-95
 1395422

AREA MAP A

CITY OF PINOLE

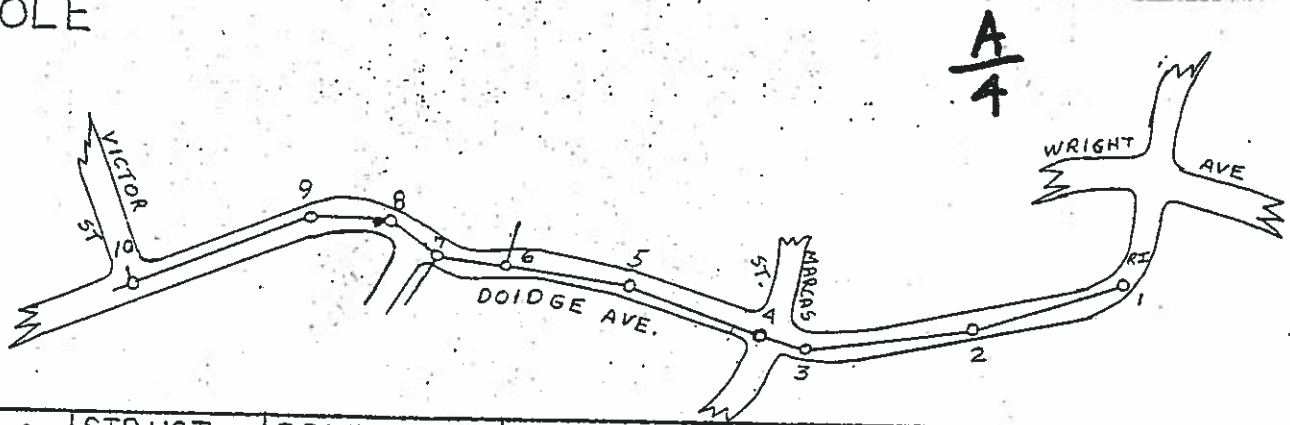
AREA MAP A
SECTION 2



I. D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
			JORDAN WAY		(FLOW EAST)																		
1	371.5	213	1-2	8	VCP										1.5%			1.50	1250	0	0		
2	368.6	213	2-7	8	VCP										0.5%			.85	708	7	7		
7	367.	—	—	8	VCP										—	AT WRIGHT AVE	—	708	3	10			
			WALTON WAY																				
1	380.6	143	3-6	8	VCP										3.5%			2.25	1875	0	0		
	377.5	—	—	8	VCP										—	AT WRIGHT AVE	—	1875	4	4			
			WRIGHT AVE.																				
1	395.7	146	4-5	8	VCP										7%			2.41	2008	0	0		
	385.5	118	5-6	8	VCP										7%			2.41	2008	4	4		
	377.5	227	6-7	8	VCP										5%	WALTON WAY	4	2.41	2008	4	12		
	367.3	205	7-8	8	VCP										5%	JORDAN WAY	10	2.41	2008	5	27		
	356.4	268	8-9	8	VCP										6%			2.41	2008	5	32		
	340.7	378	9-10	8	VCP										5%			2.41	2008	7	39		
1	320.3	—	—	8	VCP										7%			2.4	2008	11	50		

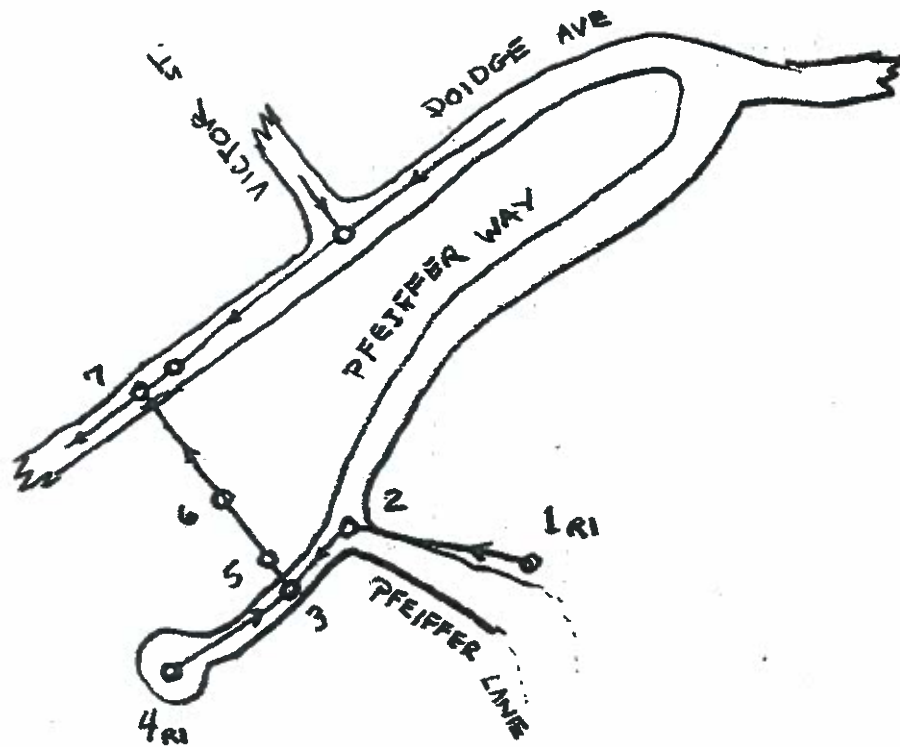
CITY OF PINOLE

SECTION 4
 H. P. ...



INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY Q.F.T.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
283.6	300	1-2	6	VCP																		
275.7	343	2-3	6	VCP										2.5%			.90	750	0	0		* 6" LINE
265.5	89	3-4	8	VCP										3%			.97	808	9	9		
263.1	263	4-5	8	VCP										3%			2.14	1783	9	18		
241.5	236	5-6	8	VCP										8%	MARCAS STREET	6	2.41	2008	1	25		
226.8	120	6-7	8	VCP										6%			2.91	2008	5	30		
218.5	114	7-8	8	VCP										6%	WRIGHT AVE (ACROSS LOTS)	167	2.41	2008	5	202		
217.2	162	8-9	8	VCP										2%	MARCAS STREET (ACROSS LOTS)	7	1.70	1417	2	211		
212.0	400	9-10	8	VCP										3%			2.14	1783	0	211		
197.6	—	—	8	VCP										3.5%			2.25	1875	6	217		
														3%	AT VICTOR ST.		2.14	1783	11	228		

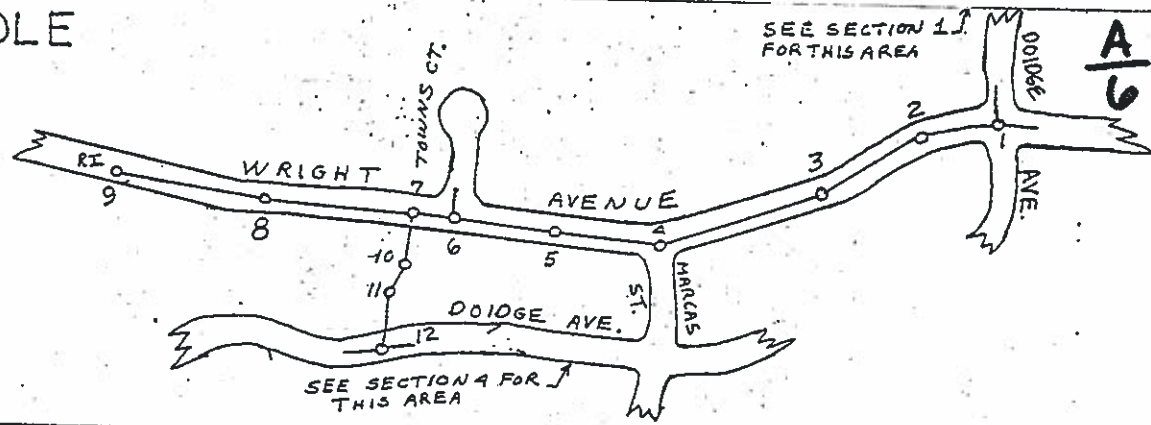
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MH	FOOTAGE
1-2	240
2-3	107
4-3	232
3-5	65
5-6	120
6-7	174

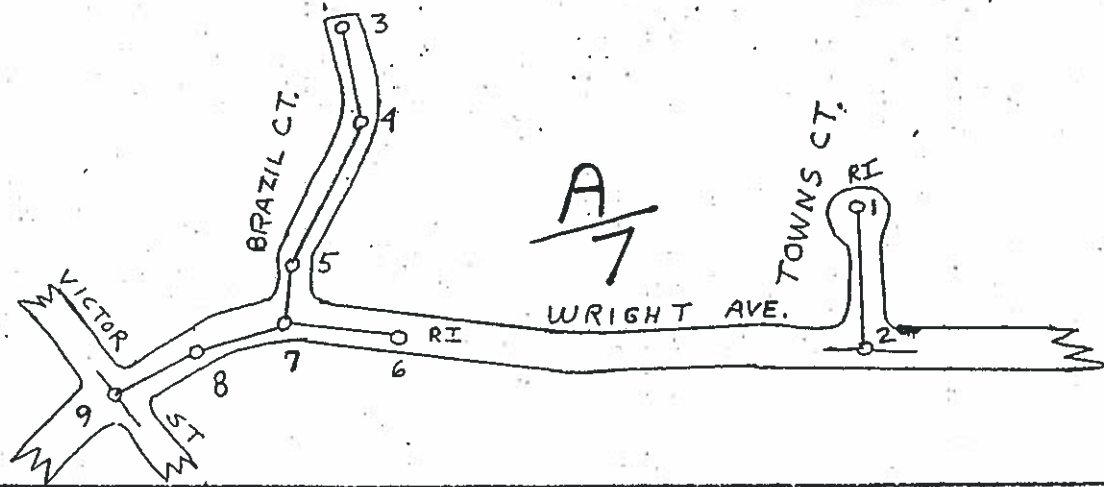
CITY OF PINOLE

SECTION 6



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY QFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	286.0	150	1-2	8	VCP										7%	DOIDGE AVE	48	2.41	2008	76	124		
2	276.0	212	2-3	8	VCP										7%			2.41	2008	3	127		
3	269.0	353	3-4	8	VCP										3.5%			2.25	1875	6	133		
4	255.5	209	4-5	8	VCP										4%	AT MARCAS ST.		2.41	2008	10	143		
5	246.8	185	5-6	8	VCP										4%			2.41	2008	4	147		
6	239.3	65	6-7	8	VCP										1%	AT TOWNS CT.	5	1.20	1000	5	157		
7	238.7	—	—	8	VCP										—	ACROSS LOTS TO DOIDGE AVE	—	—	(1000)	2	159		
(EAST FLOW)																							
9	255.0	285	9-8	8	VCP										2%			1.70	1417	0	0		
8	249.6	277	8-7	8	VCP										4%			2.41	2008	6	6		
7	238.7	—	—	8	VCP										—	TO DOIDGE	—	—	(1417)	2	8		
(SOUTH FLOW)																							
7	238.7	100	7-10	8	VCP										1%		8	1.20	1000	159	167		
10	237.4	63	10-11	8	VCP										15%			2.41	2008	0	167		
11	228.1	110	11-12	8	VCP										1%			1.20	1000	0	167		
12	227.0	—	—	8	VCP										—	AT DOIDGE	—	—	—	0	167		

CITY OF PINOLE

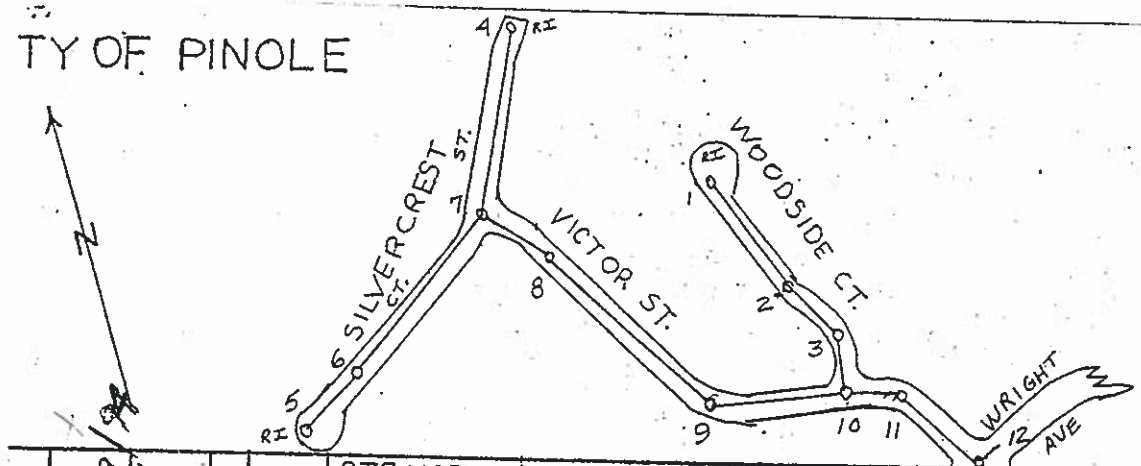


I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE					DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT/SEC.
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.	NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED	
			TOWNS COURT																	
RI 1	264.0	207	1-2	6	VCP											13%			1.12	
2	239.0	—	—	6	VCP											—	AT WRIGHT AVE		—	
			BRAZIL COURT																	
RI 3	292.2	150	3-4	8	VCP											-13%			2.41	
4	278.4	255	4-5	8	VCP											13%			2.41	
5	245.2	95	5-7	8	VCP											1.9%			1.20	
7	244.0	—	—	8	VCP											—	AT WRIGHT AVE.		—	
			WRIGHT AVE																	
RI 6	252.0	177	6-7	8	VCP											4.8%			2.41	
7	244.0	150	7-8	8	VCP											3.6%	BRAZIL COURT	9	2.25	
8	238.9	152	8-9	8	VCP											3%			2.85	
9	238.0	—	—	8	VCP											—	AT VICTOR ST.		—	

TY OF PINOLE

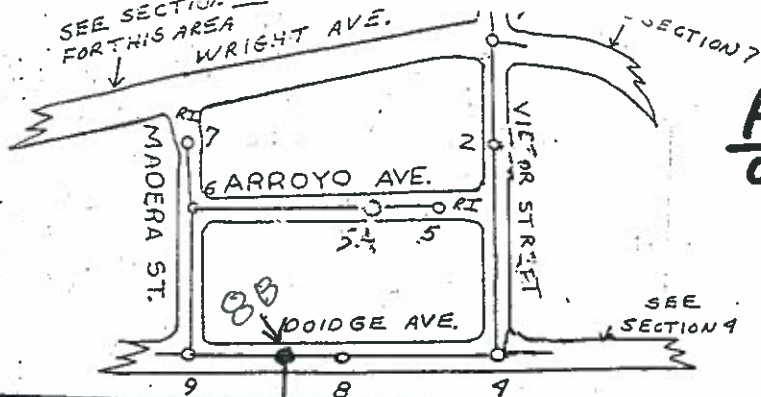
AREA MAP 4
SECTION 8

A
8



MILE LN	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY QFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
6.9	259	1-2	8	VCP																			
9.9	121	2-3	8	VCP									11%	ON WOODSIDE CT.		2.41	2008	0	0				
10.0	120	3-10	8	VCP									11%			2.41	2008	10	10				
10.6	—	—	8	VCP									8%			2.41	2008	5	15				
10.5	225	4-7	8	VCP									—	AT VICTOR ST.		—	2008	0	15				
10.5	—	—	8	VCP									6%	IN SILVERCREST ST.		2.41	2008	0	0				
10.5	295	6-7	8	VCP									—	AT VICTOR ST.		—	2008	28	28				
10.0	140	5-6	8	VCP									8%			2.41	2008	6	6				
10.5	130	7-8	8	VCP									3%	ON SILVERCREST CT.		2.14	1783	0	0				
10.9	407	8-9	8	VCP									7.5%	SILVERCREST ON VICTOR ST.	28	2.41	2008	0	28				
10.0	295	9-10	8	VCP									16%			2.41	2008	2	30				
10.6	152	10-11	8	VCP									10.5%			2.41	2008	10	40				
10.3	150	11-2	8	VCP									3.5%	WOODSIDE CT.	15	2.25	1875	7	62				
10.0	—	—	8	VCP									3.5%			2.25	1875	1	63				
													—	AT WRIGHT AVE.		—	(1875)	0	63				

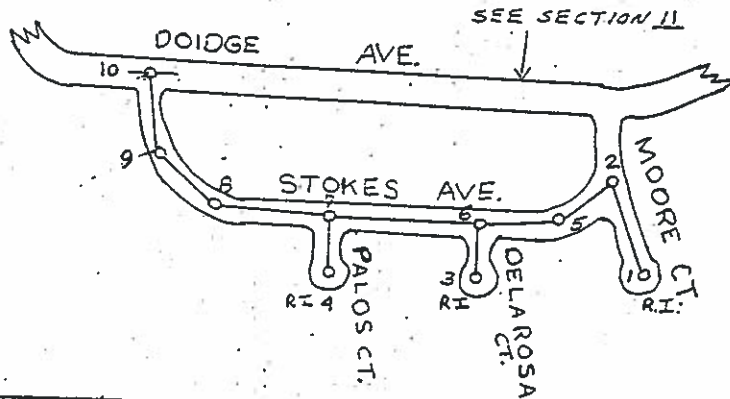
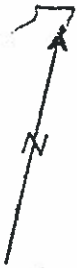
CITY OF PINOLE



SECTION 9
AREA - A

INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
11	190	1-2	8	VCP																		
26.6	395	2-4	8	VCP									7%	WRIGHT AVE.	63	2.41	2008	63	80			
26.7			8	VCP									7%			2.41	2008	3	83			
17.6			8	VCP									7%			2.41	2008	5	88			
																	2008	3	91			
13.6	300	5-6	6	VCP																		
9.5	180	5-5	6	VCP									3%			.97	808	0	0			
																	808	12	12			
3.3	125	7-6	6	VCP									3%			.97	808	0	0			
3.4			6	VCP									4%	ARROYO AVE.	12	1.12	933	2	14			
																	(808)	2	16			
1.6	300	4-8	8	VCP									3%	VICTOR STREET	91	2.14	1783	228	319			
1.0	300	8-9	8	VCP									3%			2.14	1783	9	328			
1.4			8	VCP													(1783)	13	347			

CITY OF PINOLE



AREA MAP A
SECTION 10

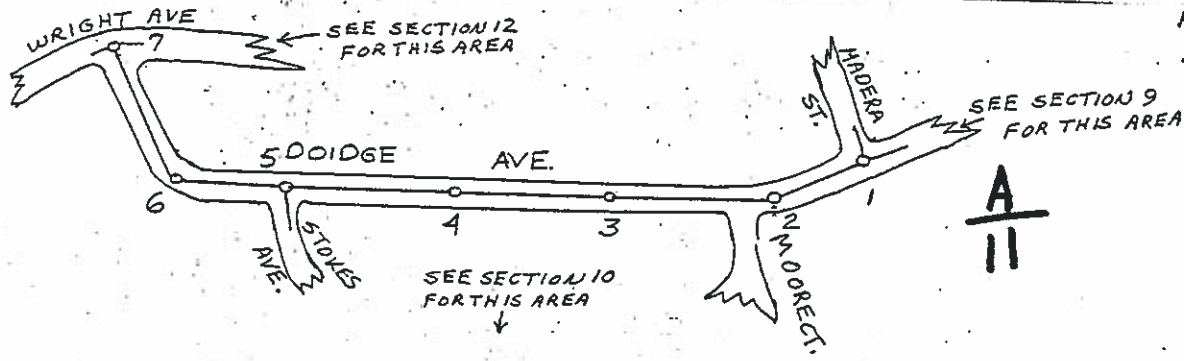
Scale: 2"=1'

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10

INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY C/FT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
164.9	185	1-2	6	VCP																		
163.7	—	—	6	VCP										.6%	ON MOORE COURT		.44	367	0	0		
158.9	175	3-6	6	VCP										—	AT STOKES AVE.		—	(367)	8	8		
158.2	—	—	6	VCP										.6%	ON DELA ROSA CT.		.44	367	0	0		
153.8	175	4-7	6	VCP										—	AT STOKES AVE.		—	(367)	6	6		
153.1	—	—	6	VCP										.6%	ON PALOS CT.		.44	367	0	0		
	STOKES AVENUE													—	AT STOKES AVE		—	(367)	6	6		
163.7	156	2-5	6	VCP										.6%	MOORE COURT	8	.44	367	0	8		* 6" LINE
162.9	134	5-6	6	VCP										.6%			.44	367	3	11		* 6" LINE
158.2	285	6-7	8	VCP										2%	DELA ROSA CT.	6	1.70	1417	3	20		
153.1	210	7-8	8	VCP										2%	PALOS CT.	6	1.70	1417	6	32		
149.3	144	8-9	8	VCP										.8%			1.08	900	6	38		
148.1	171	9-10	8	VCP										2%			1.70	1417	3	41		
144.7	—	—	8	VCP										—	AT DOIDGE AVE.		—	(900)	5	46		

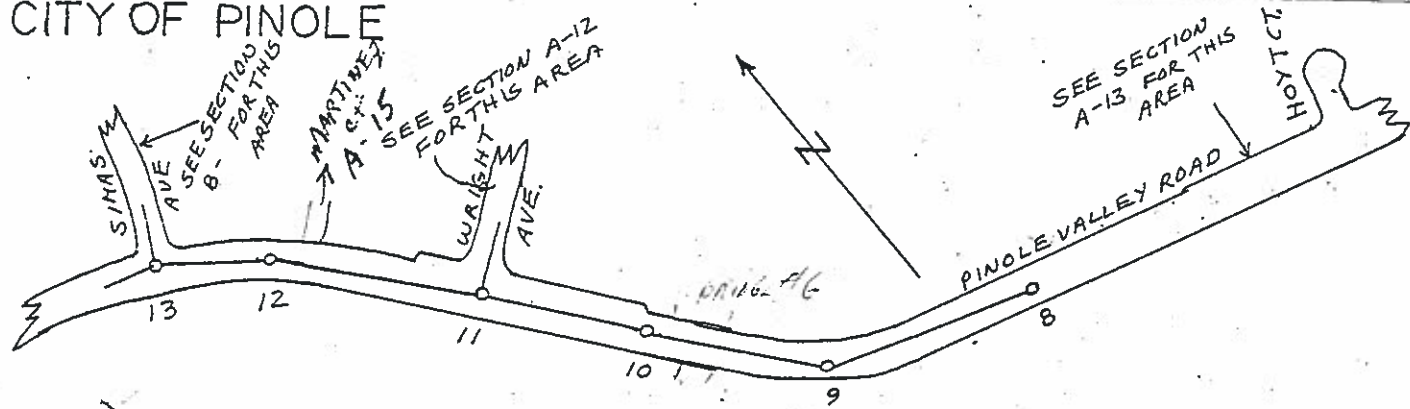
CITY OF PINOLE

AREA MAP A
SECTION 11



INVERT	DLSTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE					DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.	NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
178.4	144	1-2	8	VCP																			
173.4	316	2-3	8	VCP										3%	HADERA ST.	16	2.14	1783	331	347			
166.1	300	3-4	8	VCP										2.5%			1.97	1642	3	350			
155.4	360	4-5	8	VCP										3.5%			2.25	1875	9	359			
144.7	221	5-6	8	VCP										3%			2.14	1783	8	367			
137.4	290	6-7	8	VCP										3.5%	STOKES AVENUE	46	2.25	1875	11	424			
136.5	—	—	8	VCP										0.3%			.60	503	6	430			
	631													—	AT WRIGHT AVE		—	503	6	436	+67		

CITY OF PINOLE

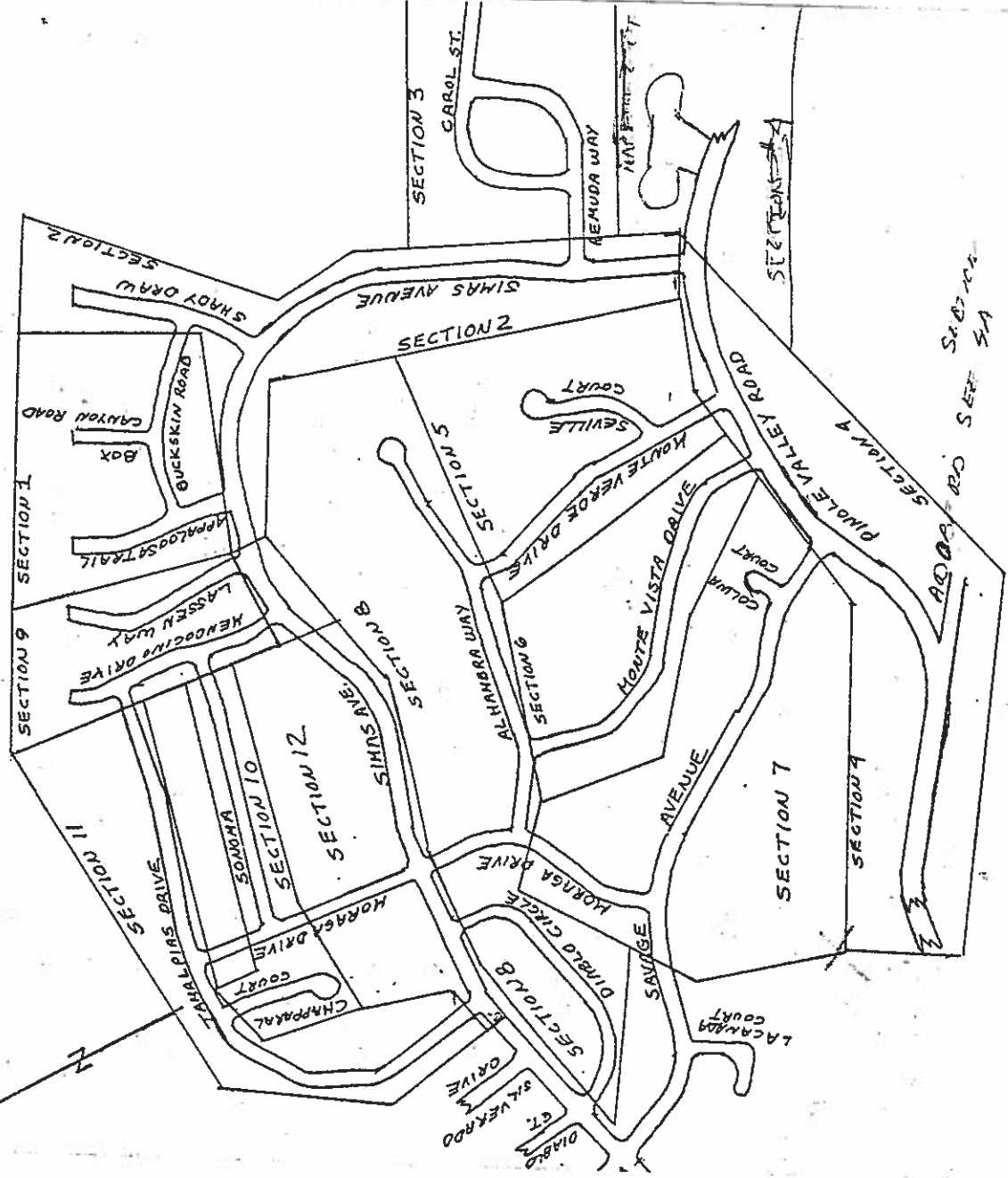


AREA MAP 14
SECTION 14

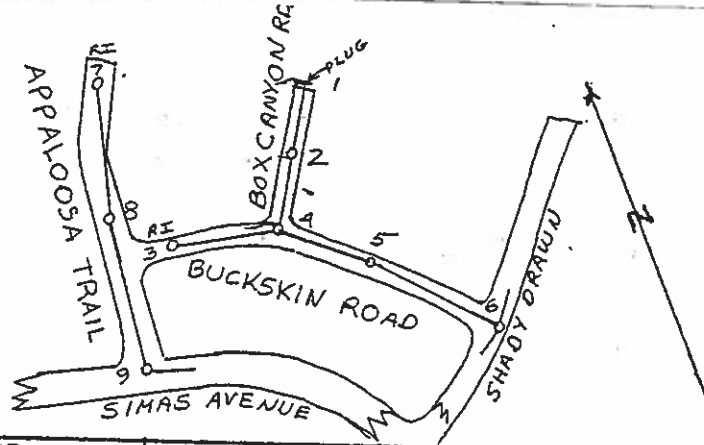
I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
8	146.9	351	8-9	8	VCP																		
9	139.5	388	9-10	8	VCP									2%		33	1.70	1417	0	33			
10	137.1	307	10-11	8	VCP									0.6%			.93	775	0	33			
11	135.7	290	11-12	8	VCP									0.5%			.85	708	0	33			
12	135.0	225	12-13	8	VCP									0.3%	WRIGHT AVENUE	506	.60	503	3	542	*-39 0.0		
13	133.0	—	—	8	VCP									0.9%			1.16	930	0	542			
														0.6%	AT SIMAS AVE	—	—	(503)	0	542			

CITY OF PINOLE

AREA MAP B



CITY OF PINOLE

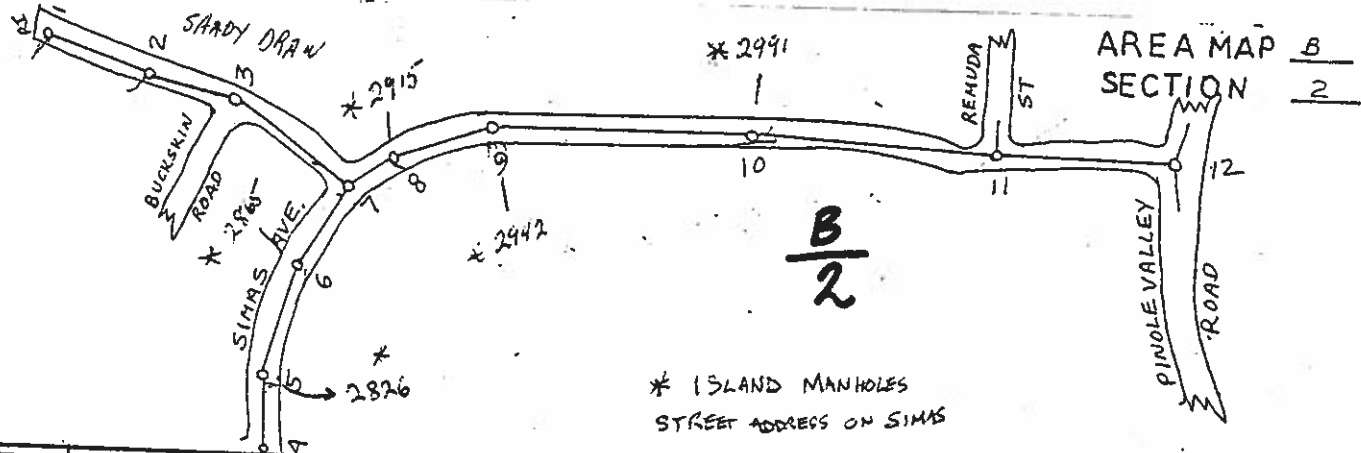


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AREA MAP 0
SECTION 1 B

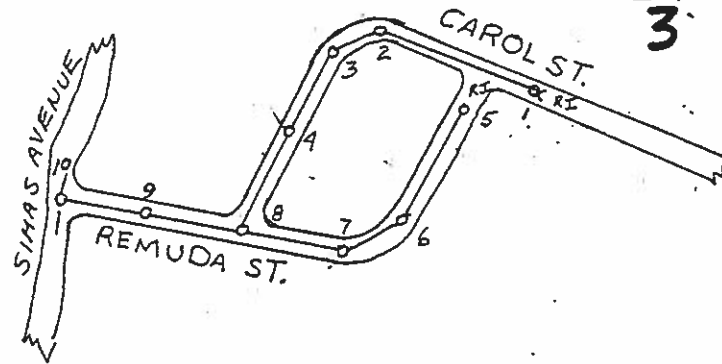
I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS		
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED	
BOX CANYON ROAD																									
PL 1	240.0	165	PL 1-2	8	VCP																				
2	218.5	146	2-4	8	VCP									15%			2.41	2008	0	0					
4	214.5	—	—	8	VCP									6.5%			2.41	2008	3	3					
BUCKSKIN ROAD																									
RI 3	244.0	195	3-4	8	VCP											AT BUCKSKIN ROAD	—	2008	4	7					
4	214.5	155	4-5	8	VCP									12.5%						0	0				
5	208.3	325	5-6	8	VCP									4%	BOX CANYON ROAD	17				6	13				
6	200.0	—	—	8	VCP									2%							4	17			
APPALOOSA TRAIL																									
RI 7	305.5	350	7-8	8	VCP											AT SHADY DRAW					8	25			
8	253.0	288	8-9	8	VCP									13%			2.41	2008	0	0					
9	234.0	—	—	8	VCP									2.5%			1.97	1692	3	3					
																AT SIMAS AVE.	—	1692	5	17					

CITY OF PINOLE



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
SHADY DRAW																							
1	232.6	225	1-2	8	VCP																		
2	211.8	202	2-3	8	VCP									9.5%			2.41	2008	0	0			
3	200.0	293	3-7	8	VCP									5%			2.41	2008	7	7			
7	191.5	—	—	8	VCP									3%	BUCKSKIN ROAD	25	2.14	1783	4	36			
SIMAS AVE																							
4	243.0	164	4-5	8	VCP									—	AT SIMAS AVE	—	—	1783	7	43			
5	222.5	220	5-6	8	VCP									12.5%	APPALOOSA TRAIL	14	2.41	2008	1	15			
6	201.8	197	6-7	8	VCP									9.8%			2.41	2008	4	19			
7	194.0	108	7-8	8	VCP									4%			2.41	2008	6	25			
8	190.7	353	8-9	8	VCP									3.5%	SHADY DRAW	43	2.25	1875	4	72			
9	181.4	400	9-10	8	VCP									2.5%			1.97	1642	1	73			
10	165.4	399	10-11	8	VCP									4%			2.41	2008	5	78			
11	142.3	388	11-12	8	VCP									6%			2.41	2008	10	88			
2	133.0	—	—	8	VCP									2.5%	REHUDA ST.	35	1.97	1642	9	132			
														—	AT PINOLE VALLEY RD	—	—	1642	10	142			

CITY OF PINOLE

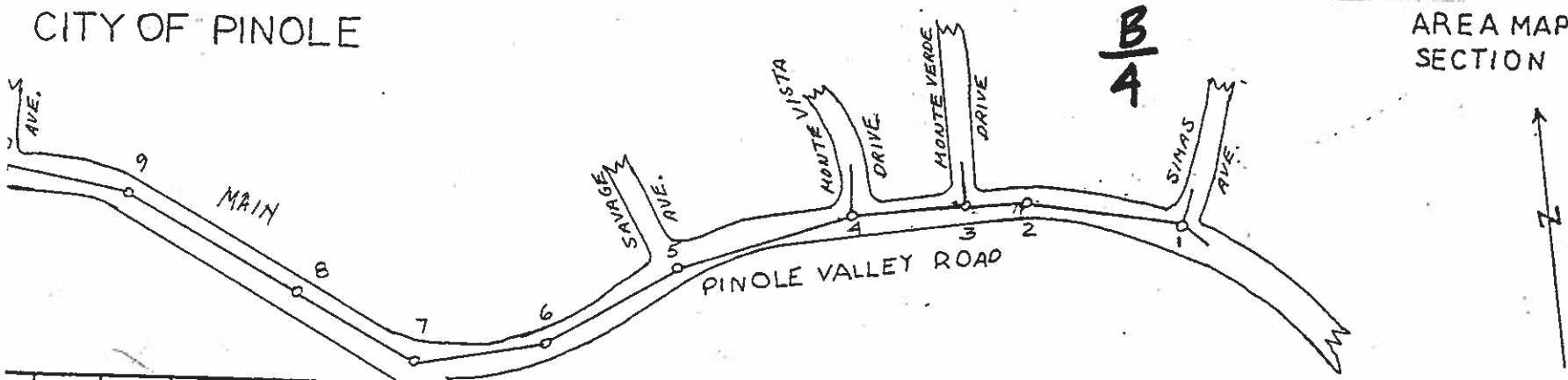


AREA MAP B
SECTION 3

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
CAROL STREET																							
1	247.5	230	1-2	8	VCP																		
2	239.0	132	2-3	8	VCP										3.5%			2.25	1875	0	0		
3	223.6	189	3-4	8	VCP										11.5%			2.41	2008	7	7		
4	195.2	188	4-8	8	VCP										15%			2.41	2008	3	10		
8	166.8	—	—	8	VCP										15%	AT CAROL ST.		2.41	2008	5	15		
REMUDA STREET																							
1	239.0	260	5-6	8	VCP										—	AT REMUDA ST.		—	(1875)	2	17		
1	198.4	116	6-7	8	VCP										15.5%			2.41	2008	0	0		
1	185.0	181	7-8	8	VCP										11.5%			2.41	2008	8	8		
1	166.8	198	8-9	8	VCP										10%			2.41	2008	3	11		
1	151.2	135	9-10	8	VCP										7.5%	CAROL STREET	17	2.41	2008	3	31		
1	148.0	—	—	8	VCP										2.5%			1.97	1642	2	33		
															—			—	(1642)	2	35		

CITY OF PINOLE

AREA MAP B
SECTION 4

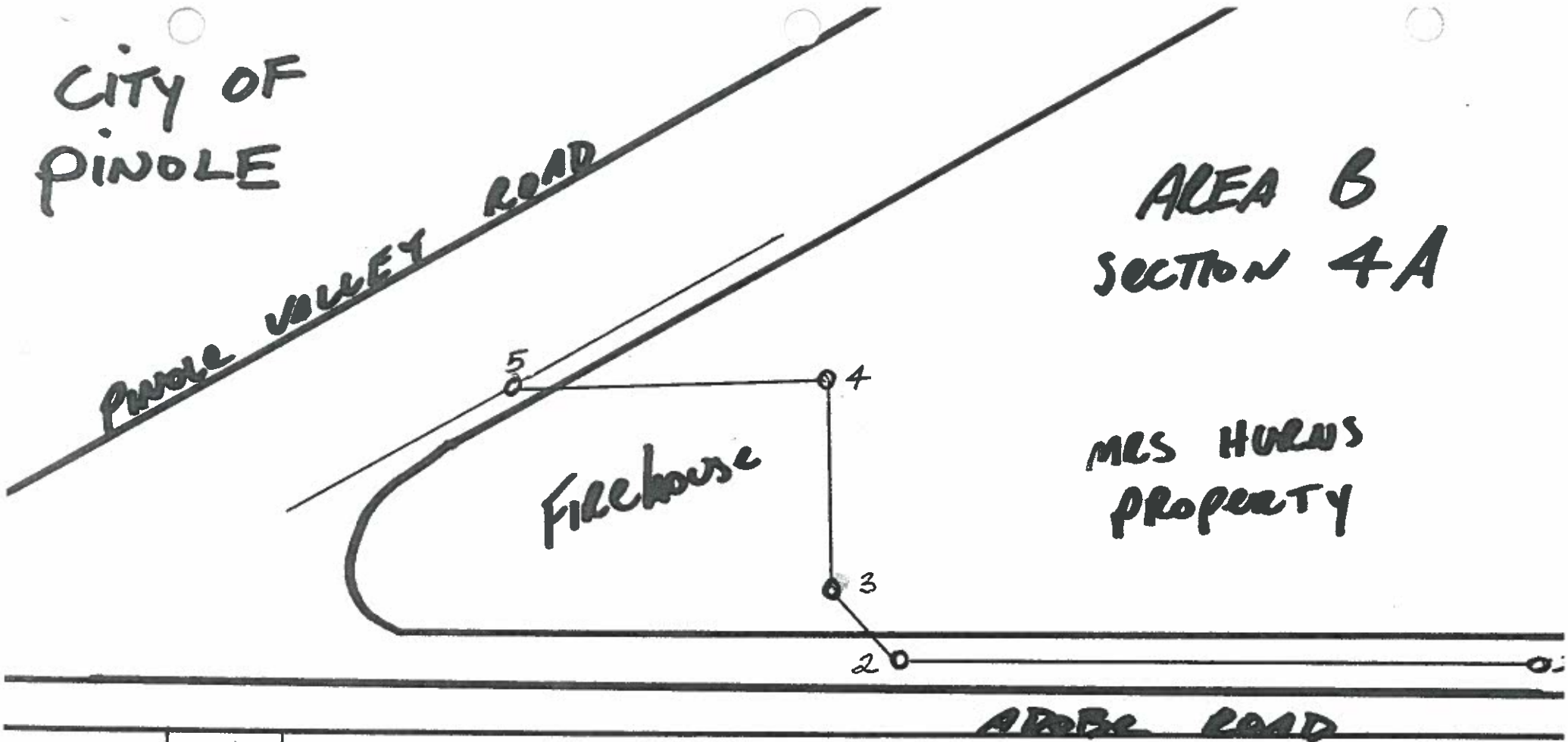


I. D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY QFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
1	133.0	328	1-2	10	VCP																			
2	131.8	106	2-3	10	VCP										.4%	SIMAS AVE.	142	1.40	1167	542	684	+483		
3	128.4	361	3-4	10	VCP										3%	MONTE VERDE DR.		4.40	3667	0	684			
4	120.9	245	4-5	10	VCP										2%	MONTE VERDE DR.	34	3.06	2550	2	720			
5	105.6	335	5-6	10	VCP										6%	MONTE VISTA DR.	26	4.46	3717	1	797			
6	104.0	318	6-7	10	VCP										.5%	SAVAGE AVE	58	1.55	1292	0	805			
7	102.4	325	7-8	10	VCP										.5%			1.55	1292	0	805			
8	100.8	426	8-9	10	VCP										.3%			1.55	1292	0	805			
9	98.6	196	9-10	10	VCP										.3%			1.20	1000	2	807	+193		
10	97.4	—	—	10	VCP										.6%	ELLERHORST LATERAL FROM SCHOOL	140	1.72	1433	0	857			
															—	AT COLLINS AVE.		—	(1000)	1	858			

CITY OF
PINOLE

AREA B
SECTION 4A

MRS HURUS
PROPERTY

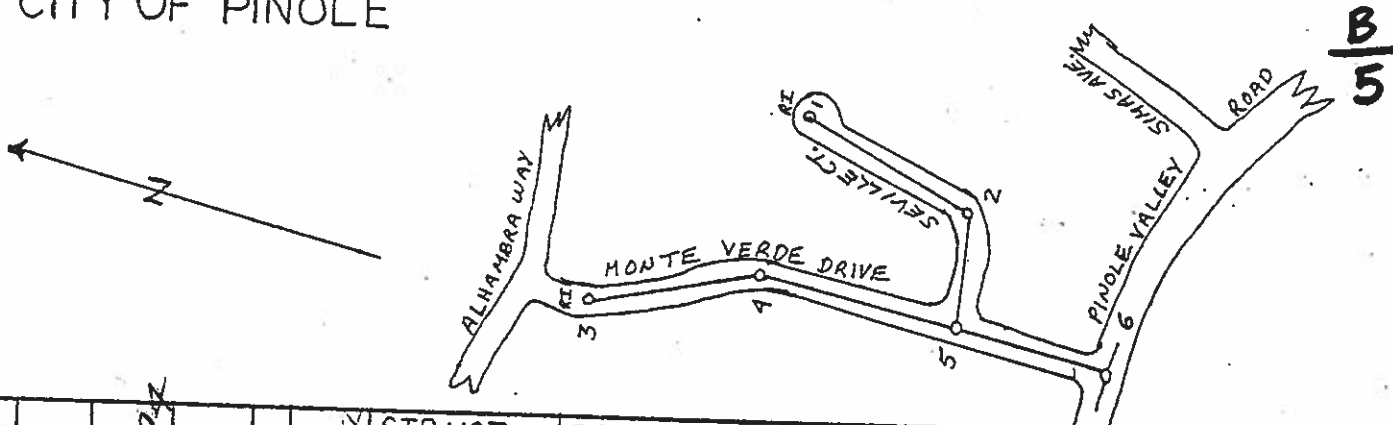


DISTANCE	FROM/TO
450'	1 to 2
76'	2 to 3
174'	3 to 4
150'	4 to 5

ALBAC ROAD

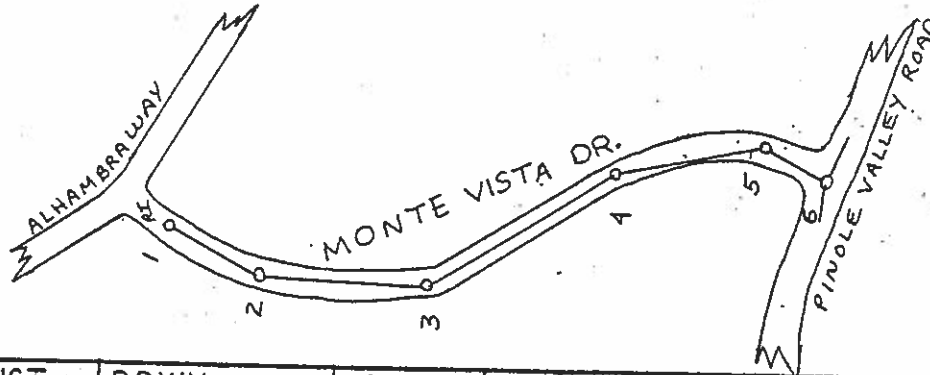
CITY OF PINOLE

AREA MAP B
SECTION 5



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE					DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY (CFT.)	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.	NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED						
SEVILLE COURT																									
RT 1	226.0	310	1-2	8	VCP											12%			2.91	2008	0	0			
2	188.7	230	2-5	8	VCP											10%			2.91	2008	12	12			
5	160.0	—	—	8	VCP											—	AT MONTEVERDE DR.	—	2008	2	14				
MONTE VERDE DRIVE																									
RT 3	274.9	396	3-4	8	VCP											15%			2.91	2008	0	0			
4	214.5	327	4-5	8	VCP											15%			2.91	2008	8	8			
5	160.0	275	5-6	8	VCP											18.5%	SEVILLE COURT	14	2.91	2008	6	28			
6	128.4	—	—	8	VCP											—	AT PINOLE VALLEY RD.	—	2008	6	34				

CITY OF PINOLE

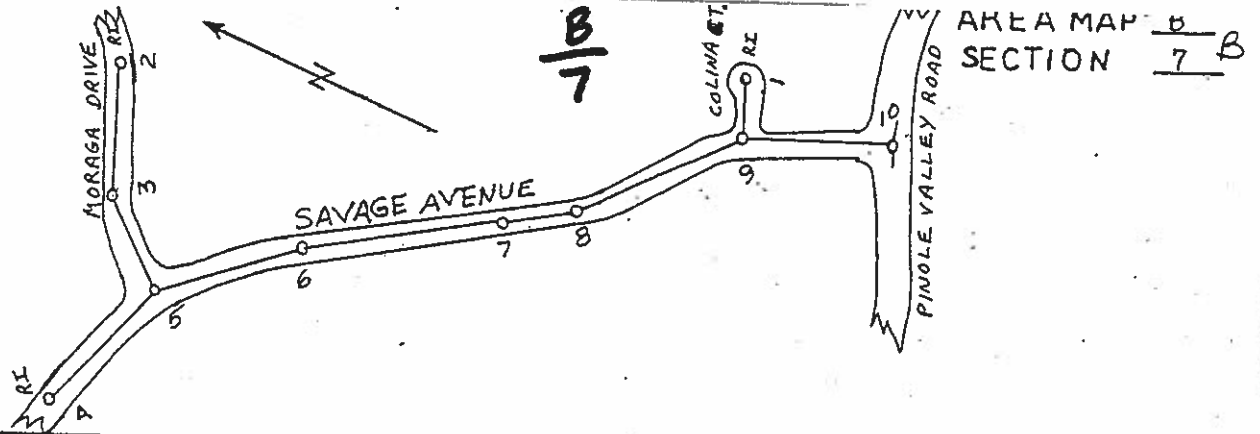


AREA MAP $\frac{2}{6}$ B
SECTION $\frac{2}{6}$ B

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY (G.P.T.)	LINE UNIT CAPACITY	UNITS SERVED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	216.3	236	1-2	8	VCP																		
2	184.9	325	2-3	8	VCP									13.5%			2.41	2008	0	0			
3	141.7	183	3-4	8	VCP									13.5%			2.41	2008	6	6			
4	139.9	256	4-5	8	VCP									1%			1.20	1000	7	13			
5	128.4	254	5-6	8	VCP									1%			1.20	1000	3	16			
6	120.9	—	—	8	VCP									6.5%			2.41	2008	4	20			
														—	AT PINOLE VALLEY RD.		—	(1000)	6	26			

CITY OF PINOLE

Savage Lift
Station
~~Between~~ Between
MH7 - MH8

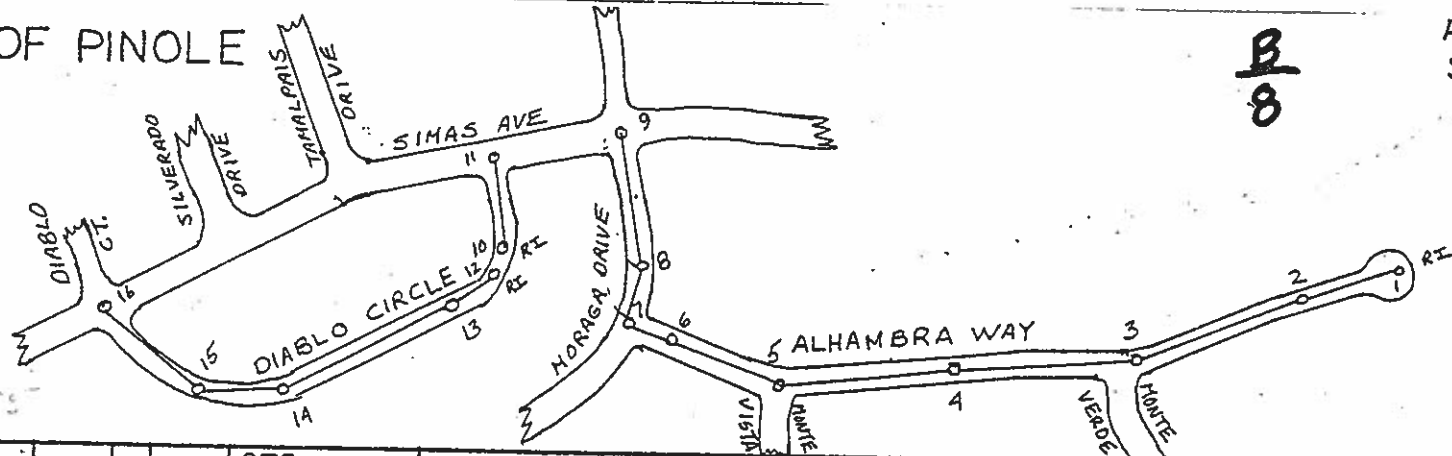


I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY (G.P.T.)	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
	COLINA COURT																						
RI 1	108.5	124	1-9	6	VCP																		
9	106.6	—	—	6	VCP									1.5%			1.70	583	0	0			
	MORAGA DRIVE													—	AT SAVAGE AVE	—	583	6	6				
RI 2	177.8	292	2-3	8	VCP																		
3	134.0	144	3-5	8	VCP									15%			2.41	2008	0	0			
5	121.0	—	—	8	VCP									9%			2.41	2008	9	9			
	SAVAGE AVENUE													—	AT SAVAGE AVE	—	2008	2	11				
RI 4	125.5	241	4-5	8	VCP																		
5	121.0	300	5-6	8	VCP									2%			1.70	1417	0	0			
6	119.8	300	6-7	8	VCP									.4%	MORAGA DRIVE	11	.78	650	4	15			
7	109.9	167	7-8	8	VCP									3.5%			2.25	1875	1	16			
8	108.2	407	8-9	8	VCP									.4%			.78	650	3	19			
9	106.6	258	9-10	8	VCP									.4%			.78	650	16	35			
10	105.6	—	—	8	VCP									.4%	COLINA COURT	6	.78	650	11	52			
														—	AT PINOLE VALLEY RD.	—	(650)	6	58				

CITY OF PINOLE

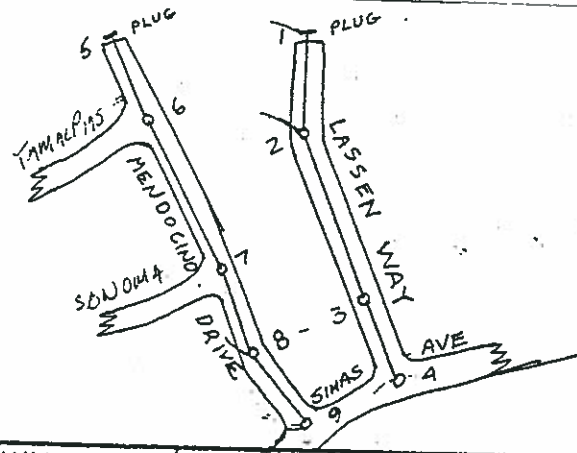
AREA MAP # 8
SECTION 8 B

B
8



P.I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE			DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS		GRADE O.K.	NEEDS WORK	INSPECTION	ROOT SAW (FT)			BUCKET MACHINE (FT)	OTHER					
1	356.9	200	1-2	8	VCP																	
2	343.0	324	2-3	8	VCP								7%	ON ALHAMBRA WAY		1.12	933	0	0		* 6" LINE	
3	295.4	400	3-4	8	VCP								11.5%			2.41	2008	6	6			
4	254.0	309	4-5	8	VCP								10.5%			2.41	2008	6	12			
5	222.0	195	5-6	8	VCP								15.5%			2.41	2008	8	20			
6	191.0	97	6-7	8	VCP								9%	MONTA VISTA		2.41	2008	7	27			
7	182.5	178	7-8	8	VCP								3%	HORAGA & ALHAMBRA		2.14	1783	0	31			
8	179.0	274	8-9	8	VCP								7%			2.41	2008	2	34			
9	160.0	—	—	8	VCP								—	AT SIMAS AVE		—	(1783)	5	39			
10	161.6	242	10-11	6	VCP								3.5%			1.06	883	0	0			
11	153.9	—	—	6	VCP								—	AT SIMAS AVE		—	883	5	5			
12	168.9	185	12-13	6	VCP								1%			.56	466	0	0			
13	167.0	237	13-14	8	VCP								6.5%			2.41	2008	5	5			
14	151.6	220	14-15	8	VCP								6.5%			2.41	2008	6	11			
15	137.3	234	15-16	8	VCP								7%			2.41	2008	6	17			
16	120.5	—	—	8	VCP								—	AT SIMAS AVE.		—	2008	5	22			

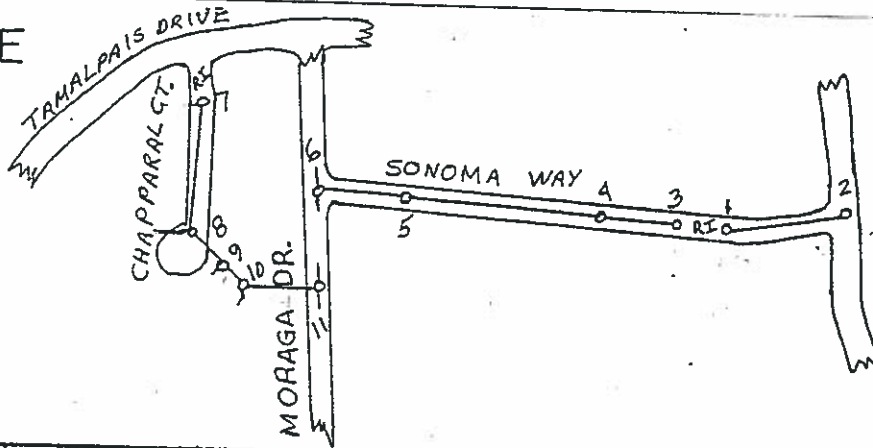
CITY OF PINOLE



AREA MAINT 9 B
SECTION 9 B

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY C/FT.	LINE UNIT CAPACITY	UNITS SERVED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
LASSEN WAY																							
1	296.3	288	1-2	8	VCP																		
2	271.5	287	2-3	8	VCP									13.5%			2.41	2008	0	0			
3	243.0	197	3-4	8	VCP									10%			2.41	2008	5	5			
4	229.3	—	—	8	VCP									7%			2.41	2008	8	13			
MENDOCINO DRIVE																							
	301.0	186	5-6	8	VCP									—			—	2008	4	17			
	283.9	333	6-7	8	VCP									9%			2.41	2008	0	0			
	252.3	182	7-8	8	VCP									9.5%	TAMALPIAS DR.	10	2.41	2008	4	14			
	231.0	162	8-9	8	VCP									11%	SONOMA WAY	6	2.41	2008	8	28			
	214.7	—	—	8	VCP									10%			2.41	2008	5	33			
														—	AT SIMAS AVE		—	2008	4	37			

CITY OF PINOLE



B
10

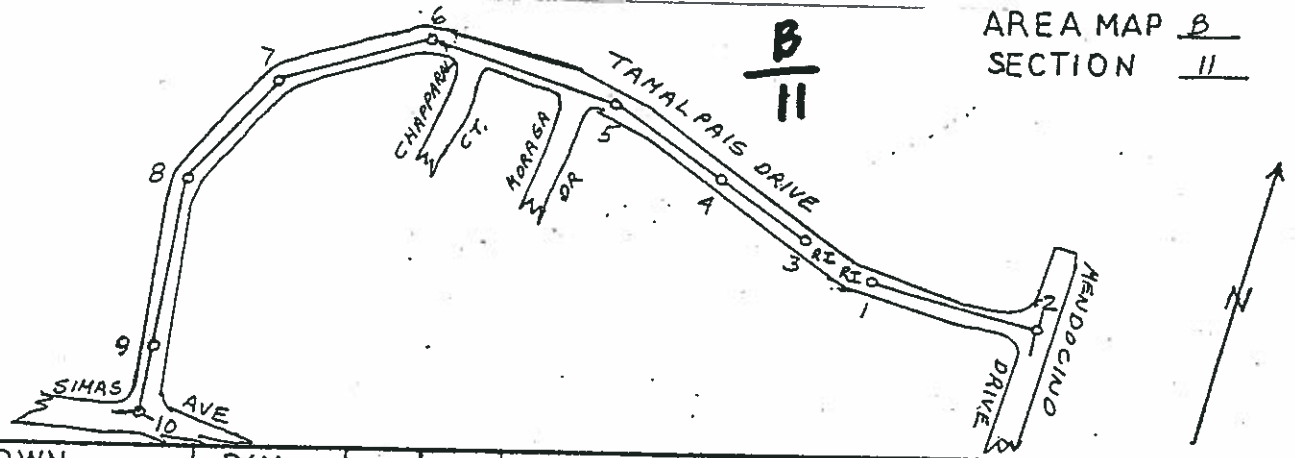
AREA MAP SECTION 10 B



102
15

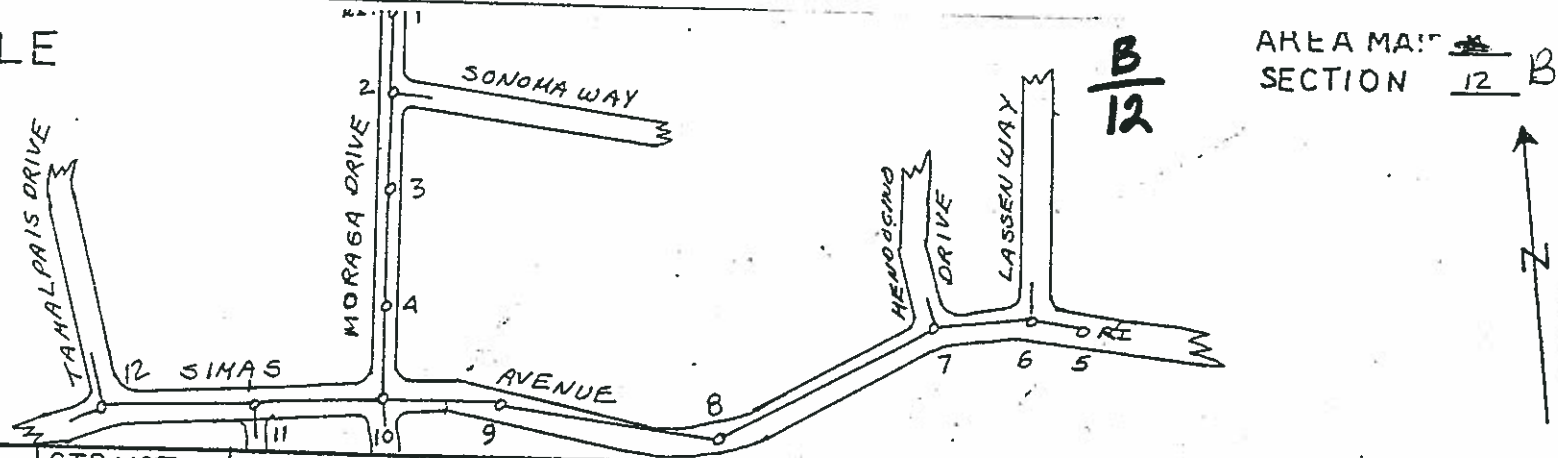
I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY (CFT.)	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
SONOMA WAY																							
280.3	248	1-2	8	VCP																			
252.3	—	—	8	VCP										11.5			2.41	2008	0	0			
284.7	200	3-4	6	VCP										—	AT MENDOCINO DR.		—	2008	6	6			
282.5	425	4-5	8	VCP										1%			.56	466	0	0			
222.5	80	5-6	8	VCP										14%			2.41	2008	6	6			
219.4	—	—	8	VCP										4%			2.41	2008	8	14			
CHAPPARAL COURT																							
234.5	255	7-8	6	VCP																			
217.0	98	8-9	8	VCP										7%			1.12	933	0	0			
216.4	65	9-10	8	VCP										.6%			.93	775	10	10			
207.0	102	10-11	8	VCP										14.5%	ACROSS LOTS		2.41	2008	0	10			
199.0	—	—	8	VCP										8%			2.41	2008	0	10			
														—	AT MORAGA DRIVE		—	(275)	0	10			

CITY OF PINOLE



P.I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BURST MACHINE (FT)			OTHER	NAME OF STREET					
1	300.0	215	1-2	8	VCP																		
2	283.9	—	—	8	VCP									7.5%			2.41	2008	0	0			
3	297.8	80	3-4	8	VCP									—	AT MENDOCINO DR.		—	2008	10	10			
4	287.8	313	4-5	8	VCP									12.5%			2.41	2008	0	0			
5	248.9	387	5-6	8	VCP									12.6%			2.41	2008	0	0			
6	228.5	300	6-7	8	VCP									15.5%			2.41	2008	7	8			
7	199.8	275	7-8	8	VCP									9%			2.41	2008	5	13			
8	167.7	363	8-9	8	VCP									11.5%			2.41	2008	6	19			
9	146.3	105	9-10	8	VCP									7%			2.41	2008	3	22			
10	141.5	—	—	8	VCP									4.5%			2.41	2008	5	27			
		2030												—	AT SIMAS AVE		—	(2008)	2	29			

CITY OF PINOLE

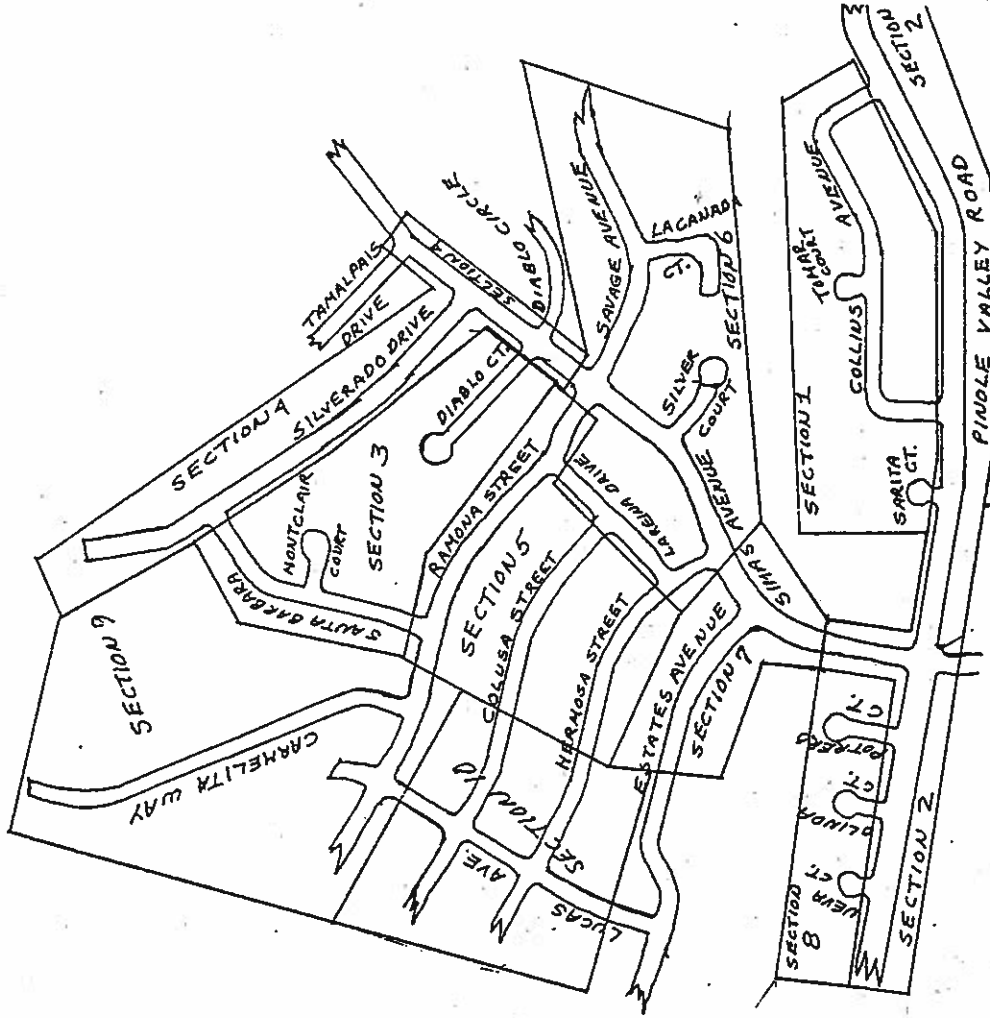


AREA MAP SECTION 12 **B**

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY (GAL)	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
MORAGA DRIVE																							
1	241.0	237	1-2	6	VCP										9%			1.12	933	0	0		
2	219.4	162	2-3	8	VCP										12.5%	SONOMA WAY	15	2.41	2008	4	19		
3	199.0	234	3-4	8	VCP										12%	CHAPPARAL CT.	10	2.41	2008	3	32		
4	170.3	187	4-10	8	VCP										5.5%			2.41	2008	3	35		
10	160.0	—	—	8	VCP										—	AT SIMAS AVE		—	2008	6	41		
SIMAS AVENUE																							
5	237.0	97	5-6	8	VCP										8%			2.41	2008	0	0		
6	229.3	210	6-7	8	VCP										7%	LASSEN WAY	17	2.41	2008	2	19		
7	214.7	488	7-8	8	VCP										5%	MENDOCINO DR.	37	2.41	2008	1	57		
8	190.5	289	8-9	8	VCP										4.5%			2.41	2008	10	67		
9	176.8	340	9-10	8	VCP										5%			2.41	2008	6	73		
10	160.0	246	10-11	8	VCP										2.5%	MORAGA DRIVE	80	1.97	1642	2	155		
11	153.9	275	11-12	8	VCP										4.5%	DIABLO CIRCLE	5	2.41	2008	3	163		
12	141.5	—	—	8	VCP										—	TAMALPAIS DR.	29	—	(1642)	6	198		

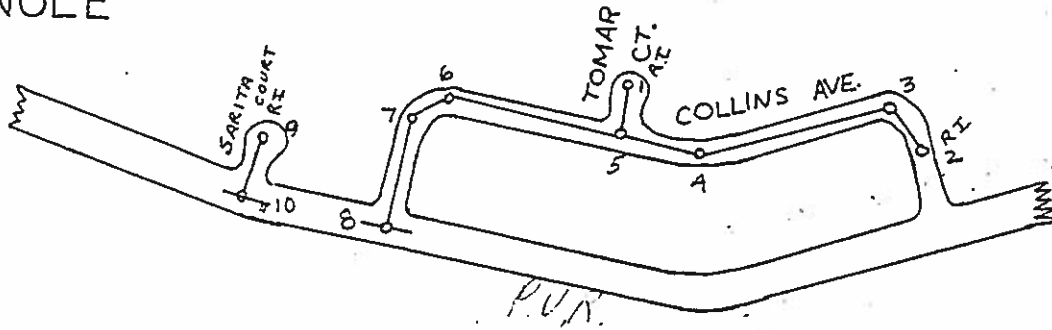
CITY OF PINOLE

AREA MAP C



SECTIONS 11-12

CITY OF PINOLE

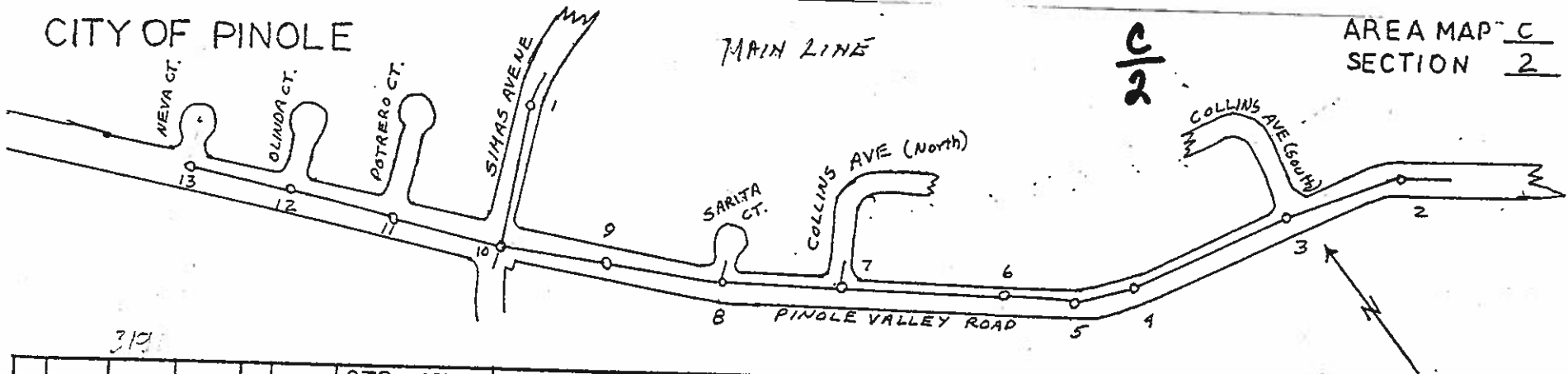


I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
TOMAR COURT																							
RE 1	96.0	110	1-5	8	VCP										8.5%			2.41	2008	0	0		
5	86.5	—	—	8	VCP										—	AT COLLINS AVE.	—	2008	3	3			
COLLINS AVE.																							
RE 2	96.0	133	2-3	8	VCP										2%		1.70	1417	0	0			
3	93.4	367	3-4	8	VCP										3%		2.14	1783	3	3			
4	88.6	158	4-5	8	VCP														11	14			
5	86.5	361	5-6	8	VCP											TOMAR COURT	3		5	22			
6	82.0	76	6-7	8	VCP										.3%		.60	503	13	35			
7	81.8	214	7-8	8	VCP										.4%		.78	650	2	37			
8	80.8	—	—	8	VCP										—	AT PINOLE VALLEY RD.	—		3	40			
SARITA COURT																							
RE 9	85.2	132	9-10	6	VCP										4.5%		2.41	2008	0	0			
10	79.4	—	—	6	VCP										—	AT PINOLE VALLEY RD.	—	2008	4	4			

CITY OF PINOLE

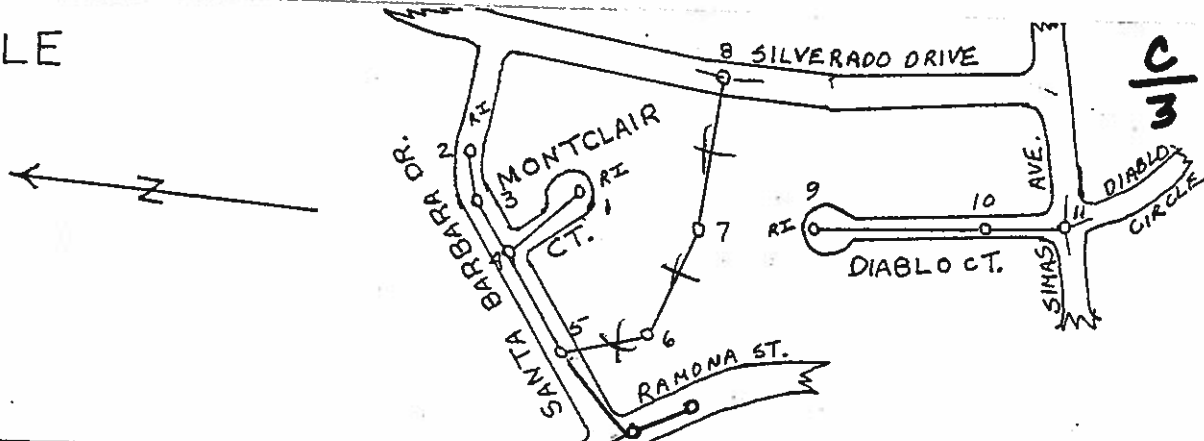
MAIN LINE

AREA MAP "C"
SECTION 2



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
SIMAS AVENUE																							
1	73.0	320	1-10	8	VCP																		
10	71.7	—	—	8	VCP									0.8%			1.08	900	383	383			
PINOLE VALLEY ROAD (MAIN SEWER LINE)																							
2	98.6	196	2-3	10	VCP									—	AT PINOLE VALLEY RD.		—		6	389			
3	97.9	385	3-4	10	VCP									0.6%	FROM AREA "B"	818	1.72	1433	0	818			
4	94.9	205	4-5	10	VCP									0.7%	COLLINS AVE (SOUTH)	0	1.84	1533	0	818			
5	93.9	184	5-6	10	VCP									0.5%			1.55	1292	5	823			
6	87.3	326	6-7	12	VCP									3.5%			4.43	3692	3	826			
7	80.8	280	7-8	12	VCP									2%			3.06	2550	3	829			
8	79.4	281	8-9	12	VCP									0.5%	COLLINS AVE (NORTH)	90	2.50	2083	4	873			
9	78.0	254	9-10	12	VCP									0.5%	SARITA & GALBRETH	84	2.50	2083	9	966			
10	75.2	255	10-11	12	VCP									1%			3.56	2967	4	970			
11	69.8	255	11-12	12	VCP									2%	SIMAS AVENUE	389	5.76	4800	3	1362			
12	67.7	250	12-13	12	VCP									0.8%	POTRERO COURT	10	3.36	2800	0	1372			
13	64.0	—	—	12	VCP									1.5%	OLINDA COURT	8	4.45	3708	0	1380			
														—	NEVA COURT	6	—	—	0	1386			

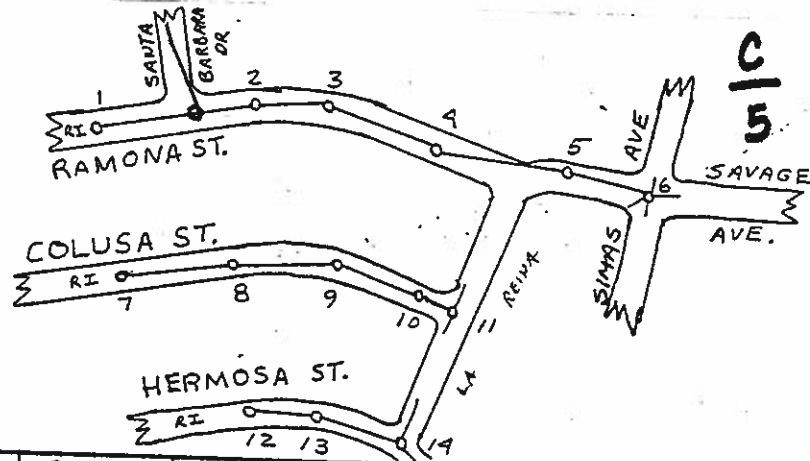
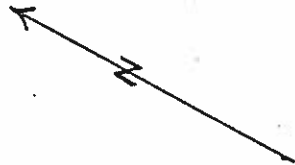
CITY OF PINOLE



AREA MAP SECTION 3

INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION			DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)			BUCKET MACHINE (FT)	OTHER					
MONTCLAIR COURT																					
219.3	184	1-4	8	VCP																	
217.1	—	—	6	VCP									1.5%			.70	583	0	0		
SANTA BARBARA DRIVE																					
245.5	150	2-3	6	VCP									—	AT SANTA BARBARA DR.	—	(583)	4	4			
236.9	155	3-4	8	VCP									5.5%			1.12	933	0	0	* 6" LINE	
217.1	273	4-5	8	VCP									13%			4.21	2008	4	4		
178.5	265	5-6	8	VCP									14%	MONTCLAIR COURT	4	4.21	2008	3	11		
174.1	223	6-7	8	VCP									1.5%			1.50	1250	6	17		
173.0	215	7-8	8	VCP									0.5%	ACROSS LOTS		.85	708	0	17		
167.3	—	—	8	VCP									2.5%			1.97	1642	0	17		
DIABLO COURT																					
142.2	243	9-10	6	VCP									—	AT SILVERADO DRIVE	—	(708)	0	17			
127.7	236	10-11	8	VCP									6%			1.12	933	0	0	* 6" LINE	
20.5	—	—	8	VCP									3%			2.14	1783	9	9		
													—	AT SIMAS AVE	—	—	5	14			

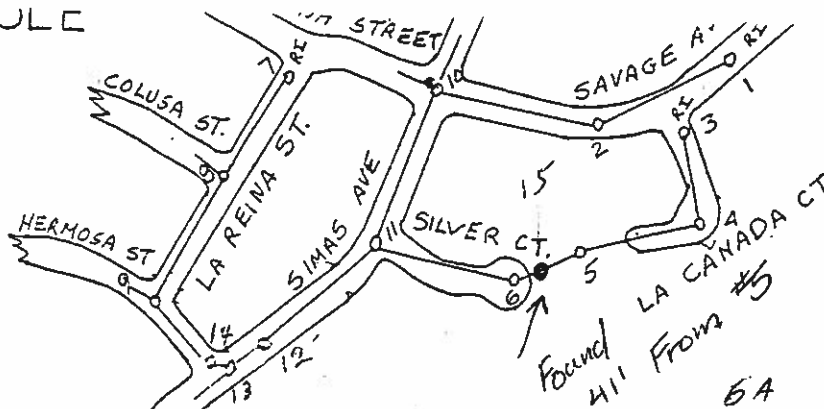
CITY OF PINOLE



AREA MAP C
SECTION 5

R.I. I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY C/F.T.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BURRER MACHINE (FT)			OTHER	NAME OF STREET					
1	180.9	320	1-2	8	VCP																		
2	170.2	140	2-3	8	VCP										3.5%			2.25	1875	0	0		
3	159.5	320	3-4	8	VCP										7.5%			2.41	2008	9	9		
4	121.1	128	4-5	8	VCP										12.9%			2.41	2008	4	13		
5	115.0	236	5-6	8	VCP										5%			2.41	2008	8	21		
6	111.0	—	—	8	VCP										1.5%			1.50	1250	1	22		
7	168.8	220	7-8	8	VCP										—	AT SIMAS AVENUE	—	(1250)	1	23			
8	157.8	170	8-9	8	VCP										5%			2.41	2008	0	0		
9	136.4	190	9-10	8	VCP										12.5%			2.41	2008	7	7		
10	112.5	94	10-11	8	VCP										12.5%			2.41	2008	5	12		
11	110.9	—	—	8	VCP										1.5%			1.50	1250	4	16		
12	152.2	260	12-13	8	VCP										—	AT LAREINA ST.	—	(1250)	1	17			
13	127.0	246	13-14	8	VCP										9.5%			2.41	2008	0	0		
14	98.2	—	—	8	VCP										12.8%			2.41	2008	8	8		
		2324													—	AT LAREINA ST.	—	(2008)	5	13			

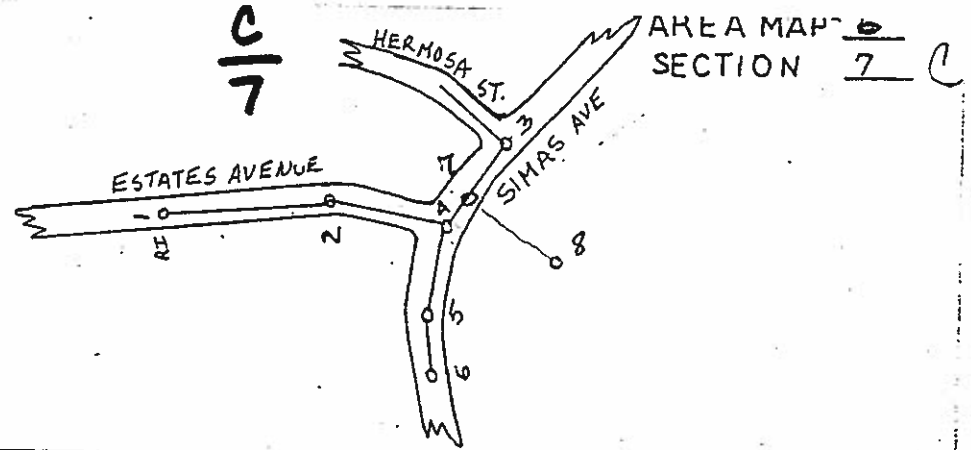
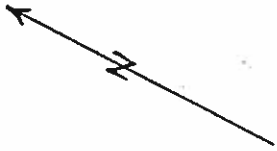
CITY OF PINOLE



SECTION 6
AREA - C

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	128.1	281	1-2	6	VCP										.7%			.47	392	0	0	* 6" LINE	
2	126.4	400	2-10	8	VCP										4%			2.41	2008	8	8		
10	111.0	—	—	8	VCP										—	AT SIMAS AVE	—	(2008)	9	17			
3	126.0	198	3-4	6	VCP										5.5%			1.12	933	0	0	* 4" LINE	
4	117.0	201	4-5	8	VCP										2.5%			1.97	1642	5	5		
5	111.5	137	5-6	8	VCP										10%			2.41	2008	5	10		
6	97.5	294	6-11	8	VCP										0.7%			1.00	833	5	15		
11	95.0	—	—	8	VCP										—	AT SIMAS AVE	—	(833)	0	15			
7	116.6	228	7-8	8	VCP										2.5%			1.97	1642	0	0		
8	110.9	255	8-9	8	VCP										9%	COLUSA STREET	17	2.41	2008	5	22		
9	98.2	166	9-14	8	VCP										4.5%			2.41	2008	5	27		
12	89.4	—	—	8	VCP										—	AT SIMAS AVE		(2008)	4	31			
	514.53	12-13																					
10	110.5	169	10-11	10	VCP										9%	SAVAGE RAMONA	40	4.46	3717	286	326		
1	95.1	293	11-12	10	VCP										1%	SILVER COURT	15	2.24	1867	7	348		
2	91.7	36	13-14	10	VCP										—	HERMOSA ST.	31	—	(1967)	4	383		

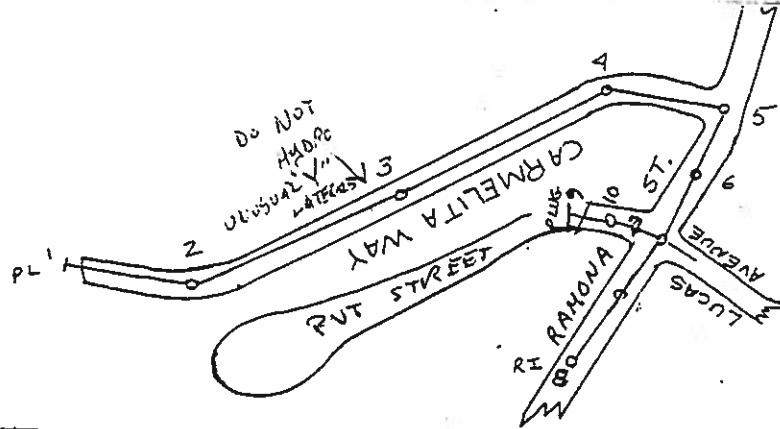
CITY OF PINOLE



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
			ESTATES AVENUE																				
RH 1	138.2	325	1-2	8	VCP										12%			2.41	2008	0	0		
2	99.9	228	2-4	8	VCP										9.5%			2.41	2008	0	9		
4	78.7	—	—	8	VCP										—	AT SIMAS AVENUE	—	(2008)	5	14			
			SIMAS AVENUE																				
3	91.7	218	3-4	10	VCP										1.5%	HERMOSA STREET	31	2.71	2258	352	383		
4	78.7	123	4-5	10	VCP										1.5%	ESTATES AVENUE	14	2.71	2258	0	383		
5	77.0	126	5-6	10	VCP										1.5%			2.71	2258	0	383		
6	75.0	—	—	10	VCP										—			—	(2258)	0	383		

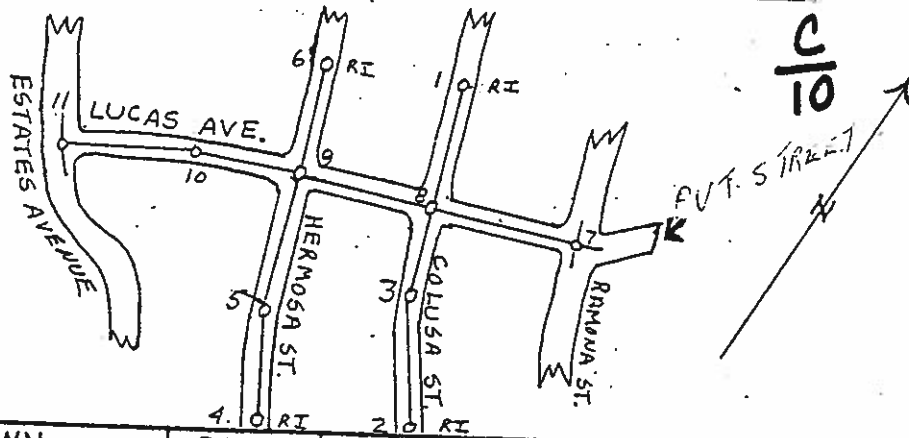
CITY OF PINOLE

AREA MAP ~~14~~
SECTION 9 C



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	PIPE TYPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY (CFT)	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
	CARMELITTA WAY																						
1	341.0	250	1-2	8	VCP																		
2	311.0	443	2-3	8	VCP									12%			2.41	2008	0	0			
3	257.8	437	3-4	8	VCP									12%			2.41	2008	7	7			
4	205.4	236	4-5	8	VCP									12%			2.41	2008	8	15			
5	179.0	—	—	8	VCP									11%			2.41	2008	12	27			
	RAMONA STREET																						
6	179.0	125	5-6	8	VCP									—	AT RAMONA ST.	—	(2008)	4	31				
7	172.3	150	6-7	6	VCP									6%	CARMELITTA WAY	31	2.41	2008	3	34			
8	164.8	—	—	6	VCP									5%	AT RAMONA ST.		1.12	933	2	36			
9	183.3	286	8-7	6	VCP									—	AT LUCAS AVE.	—	(933)	8	44				
	LUCAS AVENUE																						
10	179.3	83	9-10	8	VCP									6.5%			1.12	933	0	0			
11	176.6	89	10-7	8	VCP									3%			2.19	1783	0	0			
12	164.8	—	—	8	VCP									13%			2.41	2008	0	0			
														—	RAMONA STREET	44	—	(1783)	0	44			

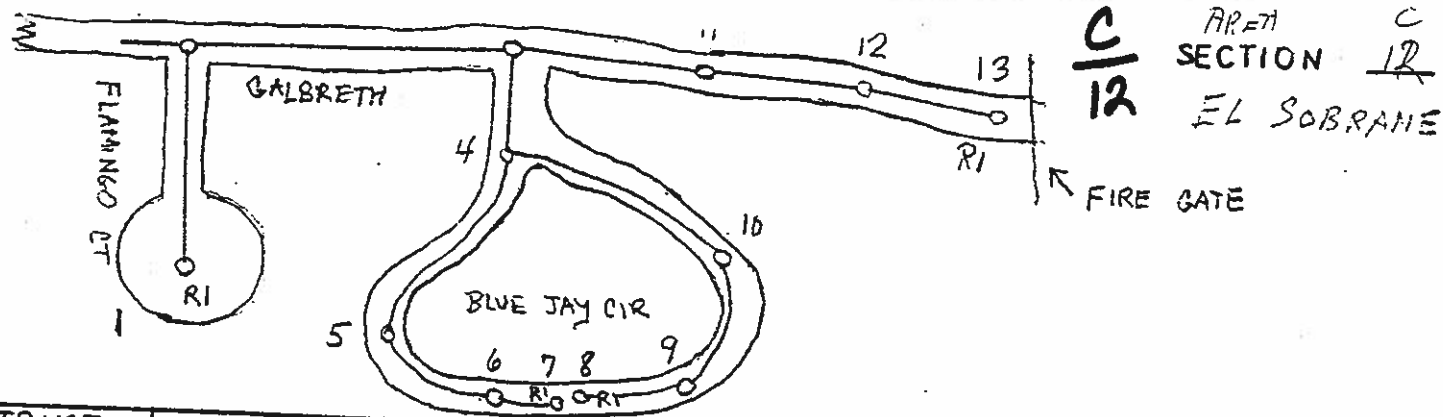
CITY OF PINOLE



AREA MAP SECTION 10

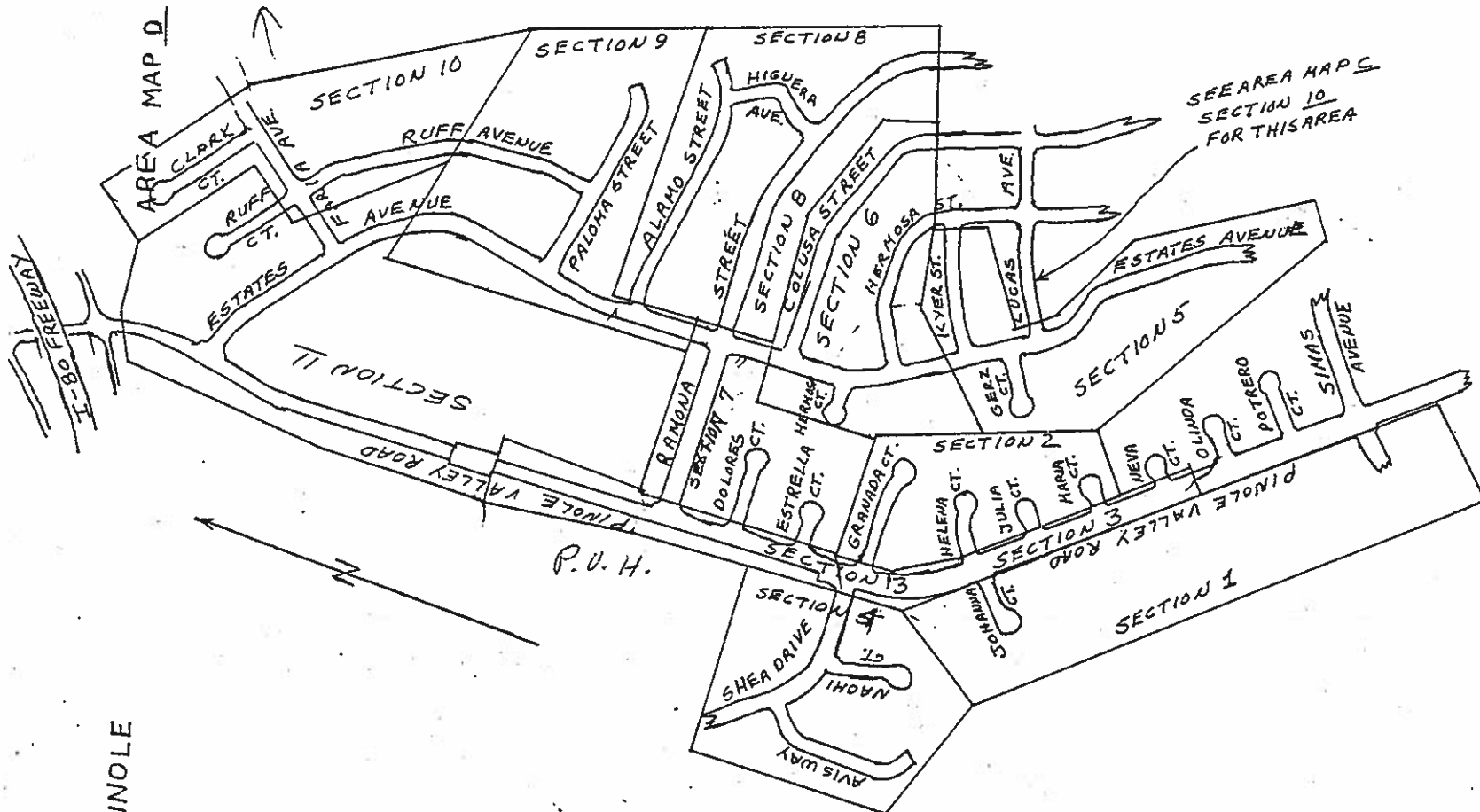
I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
COLUSA STREET																								
RE 1	150.3	238	1-8	6	VCP																			
8	144.9	—	—	6	VCP										2%			.80	667	0	0			
3	151.0	167	3-8	8	VCP										—			—	—	7	15			
RE 2	168.7	260	2-3	8	VCP										8.5%			2.25	1875	8	8			
HERMOSA STREET																								
RE 6	126.0	213	6-9	8	VCP										10.5%			2.41	2008	0	0			
9	123.7	—	—	8	VCP										1%			1.20	1000	0	0			
5	137.5	249	5-9	8	VCP										—			—	—	3	9			
RE 4	151.7	215	4-5	8	VCP										5.5%			2.41	2008	6	6			
LUCAS AVENUE																								
7	164.8	295	7-8	8	VCP										6.5%			2.41	2008	0	0			
8	144.9	270	8-9	8	VCP										8%		RAMONA ST.	44	2.41	2008	0	44		
9	123.7	200	9-10	8	VCP										4%		COLUSA ST.	15	2.41	2008	4	63		
10	116.1	264	10-11	8	VCP										4.5%		HERMOSA ST.	9	2.41	2008	3	75		
11	104.3	—	—	8	VCP										—		ESTATES AVE	—	—	2008	6	81		
																			2008	6	87			

ALL OF PIPE



INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE					DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVED	ACCUM. UNIT SERVED	REMARKS	
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.	NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED						
	189	1-2	6																					
	239	2-3	6																					
	268	3-4	6																					
	215	4-5	6																					
	121	5-6	6																					
	110	6-7	6																					
	236	8-9	6																					
	165	9-10	6																					
	146	10-4	6																					
	226	3-11	6																					
	163	11-12	6																					
	154	12-13	6																					
	2232																							

13-13-14



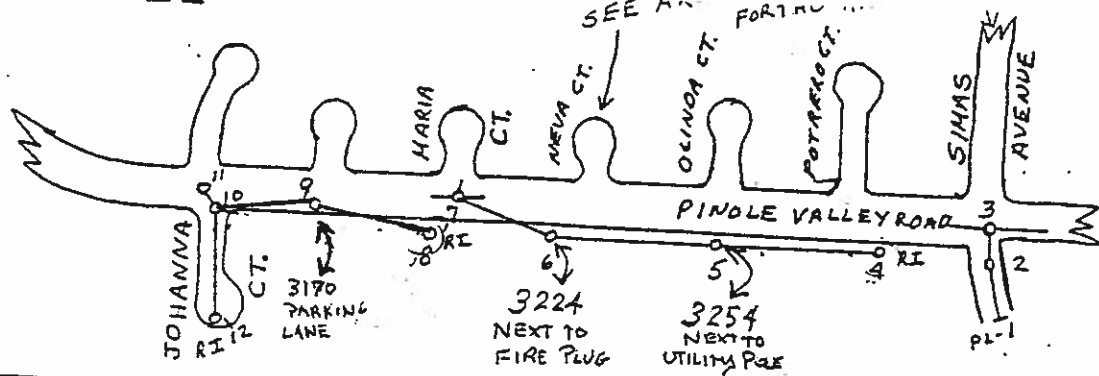
SEE AREA MAP C SECTION 10 FOR THIS AREA

CITY OF PINOLE

P.U.H.

CITY OF PINOLE

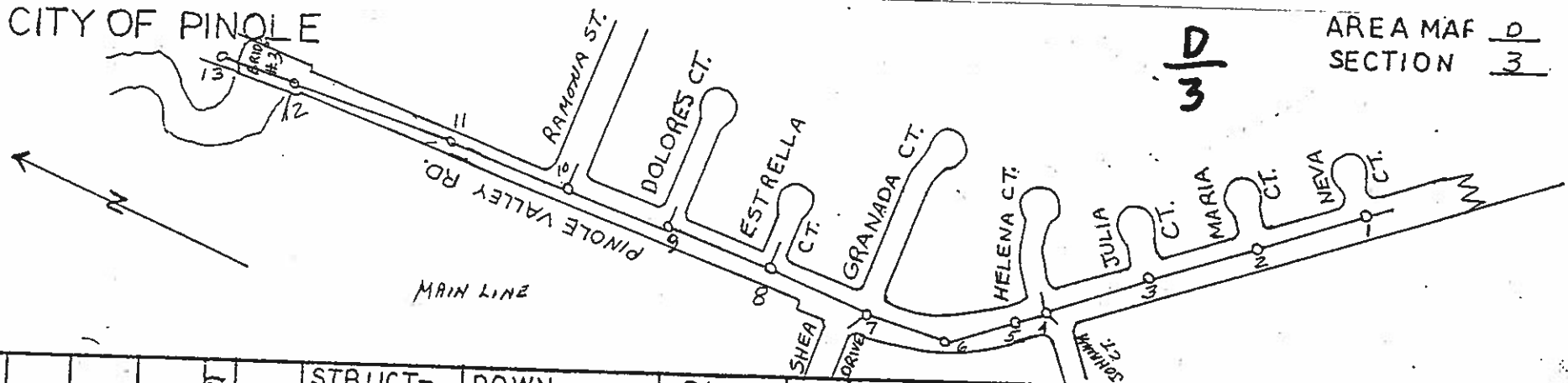
ARET SECTION 1



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY (FT/SEC)	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
	SIMMAS AVENUE																						
PT	80.0	59	1-2	8	VCP																		
2	75.2	62	2-3	8	VCP									87%			2.41	2008	0	0			
3	74.4	—	—	8	VCP									1.5%			1.50	1250	3	3			
	JOHANNA COURT																						
RE 12	86.7	225	12-10	6	VCP																		
10	59.5	—	—	6	VCP									12%			1.12	933	0	0			
	PINOLE VALLEY ROAD																						
RE 4	72.0	300	4-5	6	VCP																		
5	68.9	300	5-6	6	VCP									1%	LATERAL #1		.56	466	0	0		6" LATERALS WEST SIDE	
6	65.7	200	6-7	6	VCP									1%			.56	466	5	5			
7	64.0	—	—	6	VCP									.9%			.52	433	5	10			
RE 8	64.0	230	8-9	6	VCP										ATHARIA COURT			(433)	0	10			
9	62.8	200	9-10	6	VCP									.5%	LATERAL #2		.40	333	0	0			
10	59.5	36	10-11	6	VCP									1.5%			.70	583	4	4			
11	58.2	—	—	6	VCP									3.5%	JOHANNA COURT	6	1.06	883	4	14			
															ATHELENA COURT			(333)	0	14			

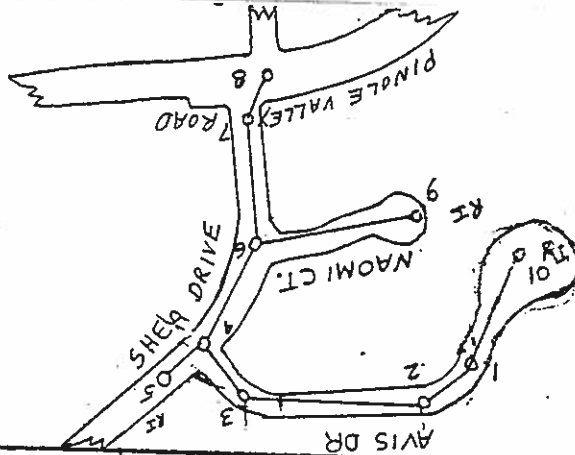
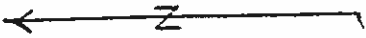
CITY OF PINOLE

AREA MAP SECTION $\frac{D}{3}$



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	64.0	250	1-2	12	RCP																		
2	62.0	250	2-3	12	RCP									0.8%	NEVA COURT	6	3.36	2800	1380	1386	MAIN SEWER		
3	59.8	250	3-4	15	RCP									0.9%	MARIA COURT	6	3.46	2883	0	1392			
4	58.5	88	4-5	15	RCP									0.9%	JULIA COURT	7	6.08	5067	0	1399			
5	58.1	167	5-6	15	RCP									0.5%	HELENA & HANNA	20	4.56	3800	0	1419			
6	57.2	179	6-7	15	RCP									0.6%			5.00	4167	0	1419			
7	56.4	250	7-8	15	RCP									0.5%	E		4.56	3800	0	1419			
8	55.1	250	8-9	15	RCP									0.5%	GRANADA CT. & SHEA	46	4.56	3800	0	1465			
9	52.6	255	9-10	15	RCP									1%	ESTRELLA CT.	8	6.36	5300	0	1473			
10	50.1	289	10-11	15	RCP									1%	DOLORES CT.	9	6.36	5300	0	1482			
11	47.0	408	11-12	15	RCP									1%	RAMONA ST.	275	6.36	5300	0	1757			
2	45.0	82	12-13	15	RCP									0.5%	LATERALS FROM R.V.H.S.	40	4.56	3800	0	1797			
3	43.8	—	—	15	RCP									1.5%	AT END OF H.S. P.V.R.		7.92	6600	18	1800			
														—			(2800)	0	1800				

CITY OF PINOLE



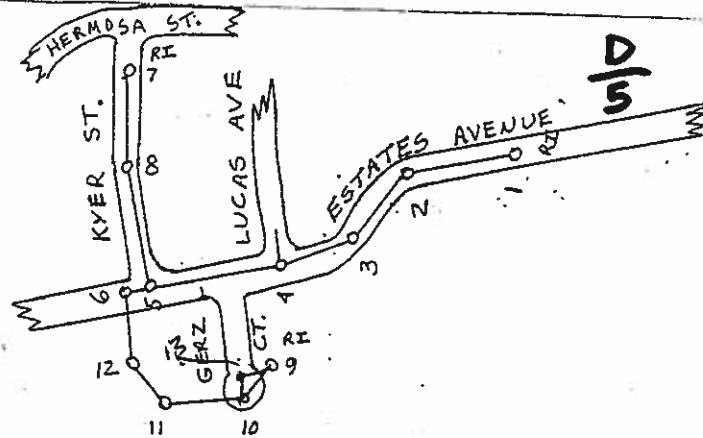
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4

AREA MAP 0
SECTION 4

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY C/FT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BURST MACHINE (FT)			OTHER	NAME OF STREET					
AVIS DRIVE																							
1	189.4	88	1-2	8	VCP																		
2	178.0	343	2-3	8	VCP									10%			2.41	2008	0	0			
3	135.4	155	3-4	8	VCP									12.5%			2.41	2008	4	4			
4	119.5	—	—	8	VCP									10.5%			2.41	2008	8	12			
NAOMI COURT																							
9	126.0	322	9-6	6	VCP													(2008)	2	14			
6	92.4	—	—	6	VCP									10.5%			1.12	933	0	0			
SHEA DRIVE																							
5	120.0	100	5-4	6	VCP													(933)	10	10			
NO SERVICES 5-4																							
1	119.5	230	1-6	6	VCP									0.5%			.40	333	0	0			
2	92.4	255	2-6	6	VCP									12%	AVIS DRIVE	14	1.12	933	3	17			
7	57.6	95	7-8	6	VCP									13.5%	NAOMI COURT	10	1.12	933	3	30			
3	56.8	—	—	6	VCP									0.8%			.50	417	4	34			
AT PINDLE VALLEY RD.																							
	200	1-10	6															(333)	0	34			

CITY OF PINOLE

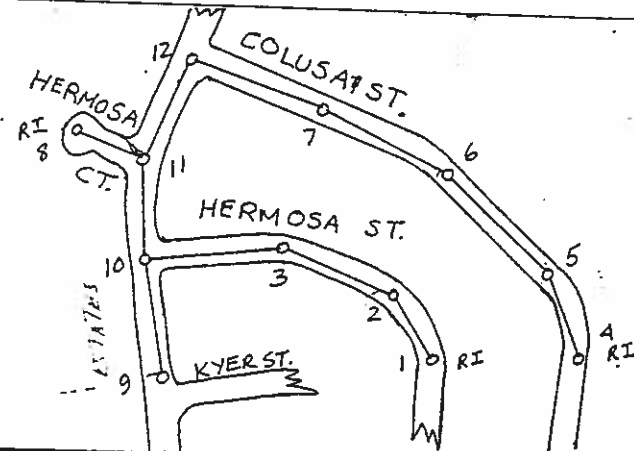
4-6-05 4-1-0



AREA MAP 10
SECTION 5

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
GERZ COURT																							
RT 9	66.8	65	9-10	6	VCP																		
10	66.0	160	10-11	6	VCP									1%			.56	466	0	0			
11	65.1	95	11-12	6	VCP									0.6%			.44	367	3	3			
12	64.6	144	12-6	6	VCP									0.5%			.40	333	3	6			
6	63.7	—	—	6	VCP									0.6%			.44	367	1	7			
KYER STREET																							
RT 7	113.1	180	7-8	6	VCP																		
8	88.9	240	8-5	6	VCP									13.5%			1.12	933	0	0			
5	72.1	—	—	6	VCP									7%			1.12	933	3	3			
RT 1	139.3	210	1-2	8	VCP																		
2	132.2	165	2-3	8	VCP									3.5%	ON ESTATES AVE		2.25	1875	0	0			
3	125.3	154	3-4	8	VCP									4%			2.41	2008	7	7			
4	109.3	270	4-5	8	VCP									13.5%			2.41	2008	3	10			
5	72.1	69	5-6	8	VCP									12%	LUCAS AVENUE	87	2.41	2008	1	98			
6	63.7	—	—	8	VCP									12%	KYER STREET	7	2.41	2008	4	109			
															GERZ COURT	7	—	(1875)	0	116			

CITY OF PINOLE

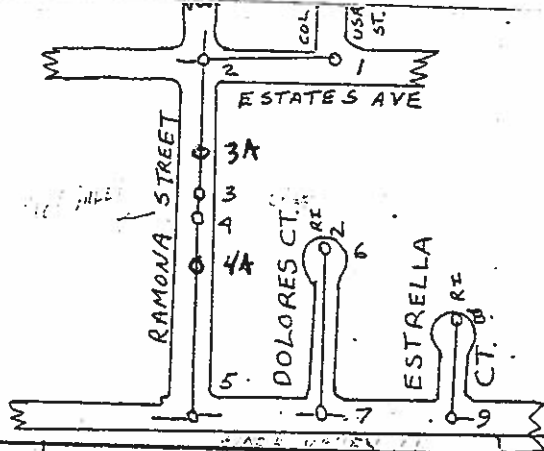


AREA NO. 1
SECTION 6
7-20-60

6/D

I.I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUGRET MACHINE (FT)			OTHER	NAME OF STREET					
RI 1	119.2	150	1-2	6	VCP										13%								
2	99.8	230	2-3	6	VCP										8.5%			1.12	933	0	0		0-3 HERMOSA ST.
3	80.2	265	3-10	6	VCP										7%			1.12	933	3	3		
10	61.7	—	—	6	VCP										7%			1.12	933	7	10		
RI 4	148.0	170	4-5	6	VCP										—	AT ESTATES AVE.	—	(933)	5	15			
5	138.8	240	5-6	8	VCP										5.5%			1.12	933	0	0		* 6" LINE
6	112.3	267	6-7	8	VCP										11%			2.41	2008	5	5		
7	80.5	270	7-12	8	VCP										12%			2.41	2008	9	14		
12	58.9	—	—	8	VCP										8%			2.41	2008	9	23		
RI 8	60.9	148	8-11	6	VCP										—	AT ESTATES AVE.	—	2008	6	29			
11	59.6	—	—	6	VCP										0.5%			.40	333	0	0		
9	63.7	201	9-10	8	VCP										—	AT ESTATES AVE.	—	(333)	6	6			
10	61.7	187	10-11	8	VCP										1%	GERZ COURT	7	1.20	1000	109	116		
11	59.6	226	11-12	8	VCP										1%	HERMOSA ST.	15	1.20	1000	2	133		
12	58.9	—	—	8	VCP										0.3%	HERMOSA COURT	6	.60	503	6	145		
															—	COLUSA STREET	29	—	(503)	2	147		

CITY OF PINOLE



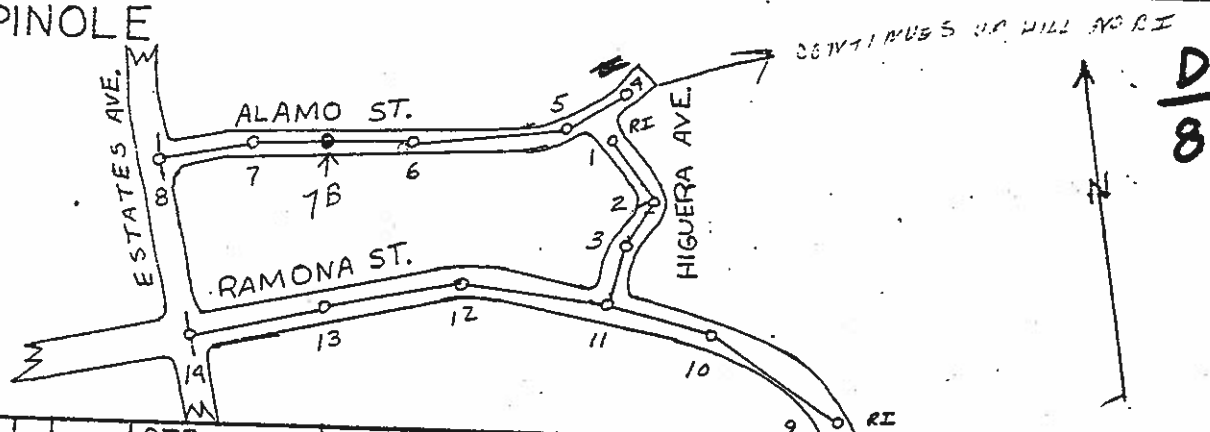
AREA MAP D
SECTION 7

7-2-24 5-4-23-0-2-24

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
	ESTRELLA		COL RT																				
56.8	891	8-9	6	VCP											0.9%			.52	433	0	0		
55.1	—	—	6	VCP											—	AT PINOLE VALLEY RD.		—	(433)	8	8		
	DOLORES		COURT																				
55.0	325	6-7	6	VCP											1.5%			.70	583	0	0		
52.6	—	—	6	VCP											—	AT PINOLE VALLEY RD.		—	(583)	9	9		
	ESTATES		AVE.																				
58.9	255	1-2	8	VCP											0.9%	COLUSA STREET	29	1.16	930	128	147		
58.2	—	—	8	VCP											—	AT RAMONA STREET		—	(503)	3	150		
	RAMONA		STREET																				
58.2	251	2-3	8	VCP											2.5%	ESTATES AVE.	216	1.97	1642	52	268		
51.9	40	3-4	8	VCP											0.3%			.60	503	0	268		
51.8	376	4-5	8	VCP											0.5%			.85	708	0	268		
50.1	—	—	8	VCP											—	AT PINOLE VALLEY RD.		—	(503)	7	275		

CITY OF PINOLE

AREA MAP 0 / 0
SECTION 8

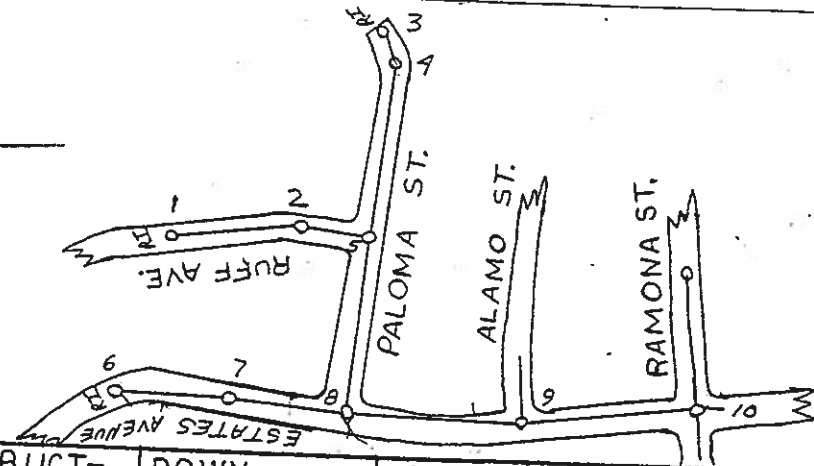


I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY (GAL)	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	151.0	138	1-2	6	VCP																		
2	142.1	110	2-3	6	VCP									6.5%				1.12	933	0	0		
3	128.9	116	3-4	6	VCP									12%				1.12	933	3	3		
11	126.4	—	—	6	VCP									2%				.80	667	8	11		
4	160.9	225	4-5	8	VCP									—	AT RAMONA STREET			—	(667)	6	17		
5	126.8	300	5-6	8	VCP									15%				2.41	2008	0	0		
6	119.6	300	6-7	8	VCP									2.5%				1.97	1642	4	4		
7	80.0	182	7-8	8	VCP									13%				2.41	2008	10	14		
8	60.0	—	—	8	VCP									11%				2.41	2008	8	22		
9	187.3	299	9-10	6	VCP									—	AT ESTATES AVENUE			—	(1642)	1	23		
10	146.4	150	10-11	6	VCP									14%				1.12	933	0	0		* 6" LINE
11	126.4	280	11-12	8	VCP									13.5%				1.12	933	8	8		* 6" LINE
12	99.7	270	12-13	8	VCP									9.5%	HIGUERA AVE.	17		2.41	2008	0	25		
13	82.9	313	13-14	8	VCP									6%				2.41	2008	9	34		
14	58.2	—	—	8	VCP									8%				2.41	2008	8	42		
														—	AT ESTATES AVE.			—	(933)	7	49		

CITY OF PINOLE

AREA MAP D
SECTION 9

$\frac{D}{9}$

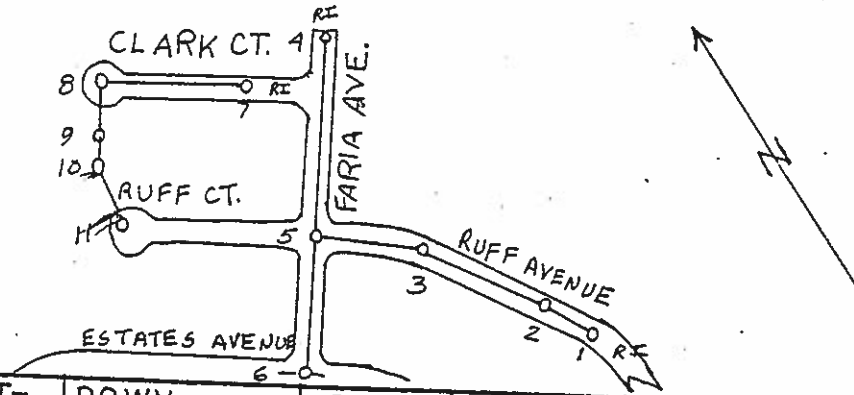


I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY C/FT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
RUFF AVENUE																							
1	138.9	203	1-2	6	VCP																		
2	107.0	244	2-5	8	VCP									13%		1.12	933	0	0		* 6" LINE		
5	100.8			8	VCP									5.5%		1.12	933	7	7				
PALOMA STREET																							
															AT PALOMA STREET		(933)	6	13				
3	136.4	56	3-4	8	VCP																		
4	120.5	339	4-5	8	VCP									30%		4.21	2008	0	0				
5	100.8	343	5-8	8	VCP									6%		4.21	2008	2	2				
2	65.9			8	VCP									10%	RUFF AVENUE	13	4.21	2008	10	25			
ESTATES AVENUE																							
															AT ESTATES AVE.		2008	6	31				
1	114.5	225	6-7	6	VCP																		
2	80.0	208	7-8	8	VCP									11%		1.12	933	0	0		* 6" LINE		
3	65.9	351	8-9	8	VCP									7%		2.41	2008	4	4				
1	60.0	245	9-10	8	VCP									1.5%	PALOMA STREET	31	1.50	1250	3	38			
2	58.6			8	VCP									0.6%	ALAMO STREET	23	.93	775	4	65			
															AT RAMONA STREET		(775)	1	66				

Do Not had stop inlet

CITY OF PINOLE

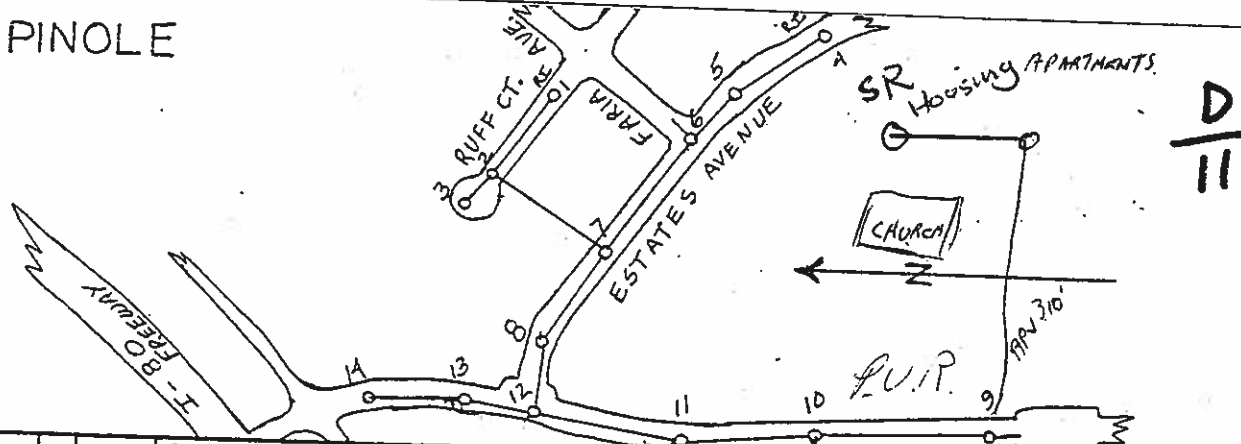
AREA MAP D
SECTION 10



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE					DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY C/FT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.	NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
RUFF AVENUE																								
1	137.0	100	1-2	6	VCP																			
2	136.0	270	2-3	6	VCP										1%			.56	466	0	0			
3	107.0	209	3-5	6	VCP										10.5%			1.12	933	2	2			
5	106.0	—	—	6	VCP										0.5%			.40	333	10	12			
FARIA AVENUE																								
4	159.0	390	4-5	8	VCP										—	AT FARIA AVENUE		—	(333)	5	17			
5	106.0	265	5-6	8	VCP										13.5%			2.41	2008	0	0			
6	87.5	—	—	8	VCP										7%	RUFF AVENUE	17	2.41	2008	7	24			
CLARK COURT																								
7	143.0	280	7-8	6	VCP										—	AT ESTATES AVE.		—	(2008)	4	28			
8	121.1	100	8-9	6	VCP										8%									
9	120.0	52	9-10	6	VCP										1%									
10	96.1	129	10-11	6	VCP										46%	ACROSS LOTS		.56	466	12	12			
11	91.6	—	—	6	VCP										3.5%	ACROSS LOTS		1.12	933	1	13			
															—	ON RUFF COURT		1.06	883	0	13			
															—			—	(466)	0	13			

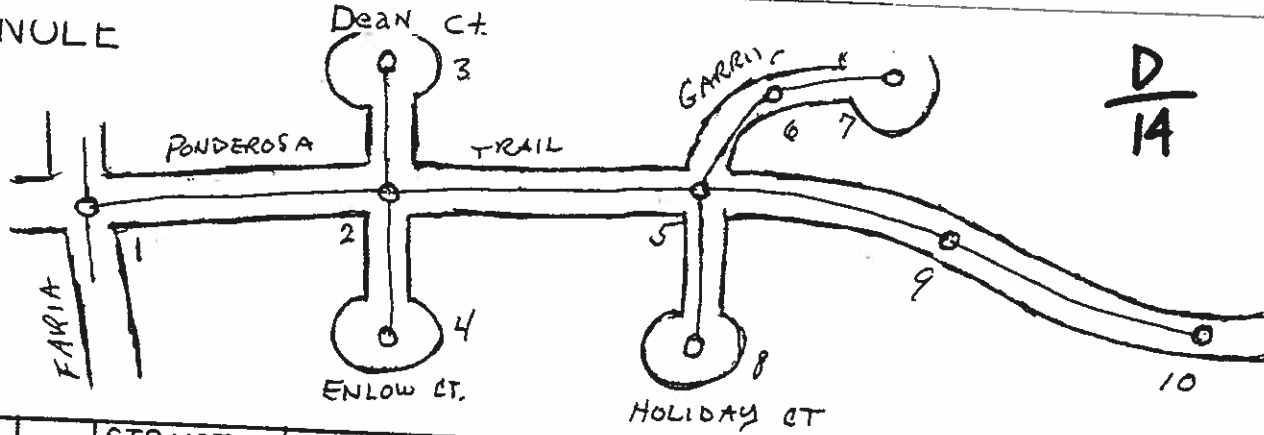
CITY OF PINOLE

AREA MAP 11
SECTION 11



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	109.6	190	1-2	6	VCP																		
2	90.8	265	2-7	8	VCP									10%			1.12	933	0	0			
3	96.1	75	3-2	6	VCP									5.5%	ACROSS LOTS		2.41	2008	9	26			
7	96.3	—	—	8	VCP									7%	CLARK COURT	13	1.12	933	4	17			
4	117.7	205	4-5	6	VCP									—			—	(933)	0	26			
5	98.0	121	5-6	6	VCP									9.5%			1.12	933	0	0		* 2" LINE	
6	87.5	270	6-7	8	VCP									9%			1.12	933	4	4			
7	76.3	200	7-8	8	VCP									4%	FARIA AVENUE	28	2.41	2008	2	34			
8	36.2	145	8-12	8	VCP									20%	RUFF COURT	26	2.41	2008	4	64			
12	34.5	—	—	8	VCP									1%			1.20	1000	2	66			
9	43.8	327	9-10	15	RCP									—	AT PINOLE VALLEY RD.		—	(933)	0	66			
10	39.0	365	10-11	15	RCP									1.5%			7.92	6600	1748	1778			
11	37.1	285	11-12	15	RCP									0.3%	10" MAIN FEEDER	343	3.82	3183	2	2123			
12	35.6	120	12-13	15	RCP									0.5%			4.56	3800	0	2124			
13	35.0	167	13-14	15	RCP									0.5%	ESTATES AVE.	66	4.56	3800	1	2125			
14	32.1	—	—	15	RCP									1.5%			7.92	6600	1	2128			
														—	6" LATERAL ENTERS	13	—	(3180)	0	2128			

CITY OF PINOLE



$\frac{D}{14}$

AREA SECTION D
14

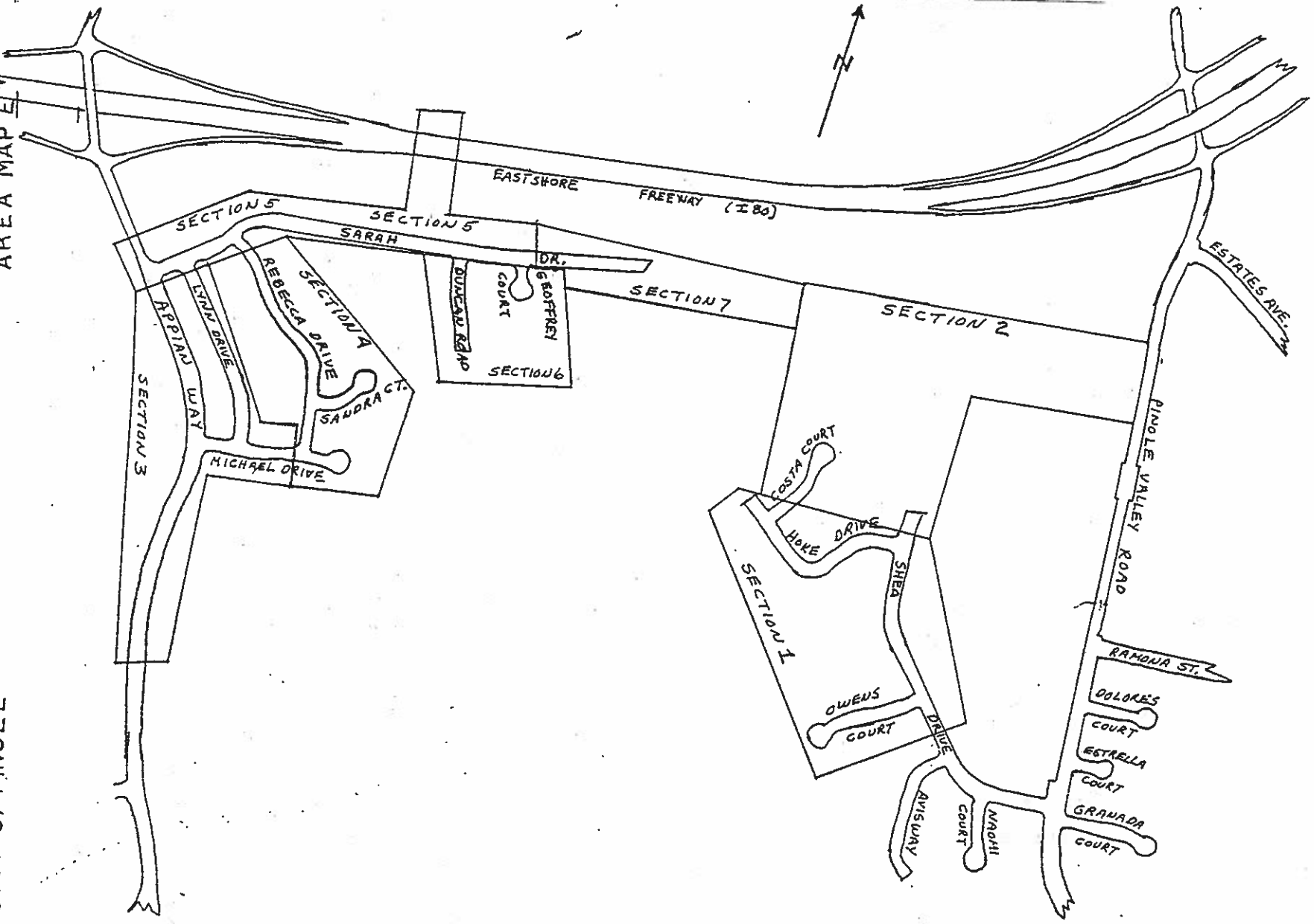
2534

INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY QFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
18327		1-2																				
358		2-3																				
225		2-4																				
309		2-5																				
251		5-6																				
203		6-7																				
187		5-8																				
317		5-9																				
366		9-10																				
7634																						

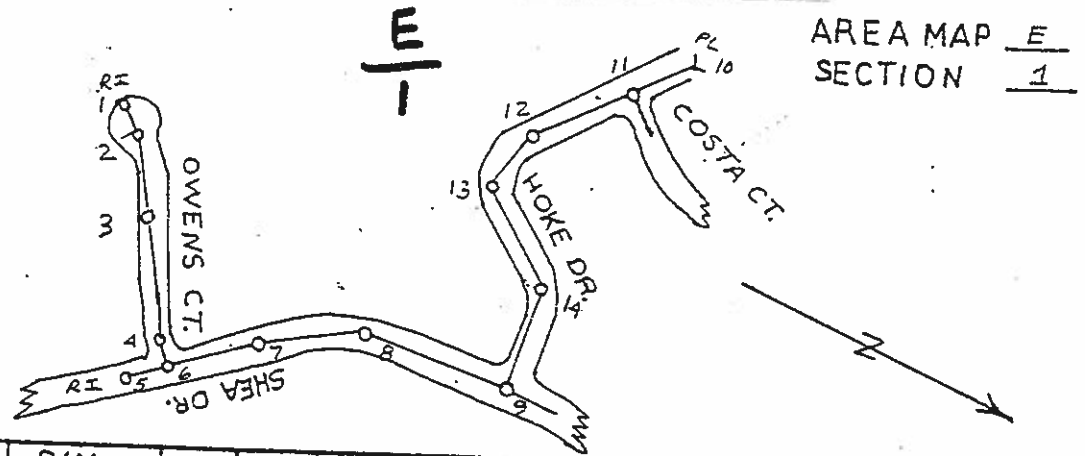
114002

AREA MAP EM

CITY OF PINOLE

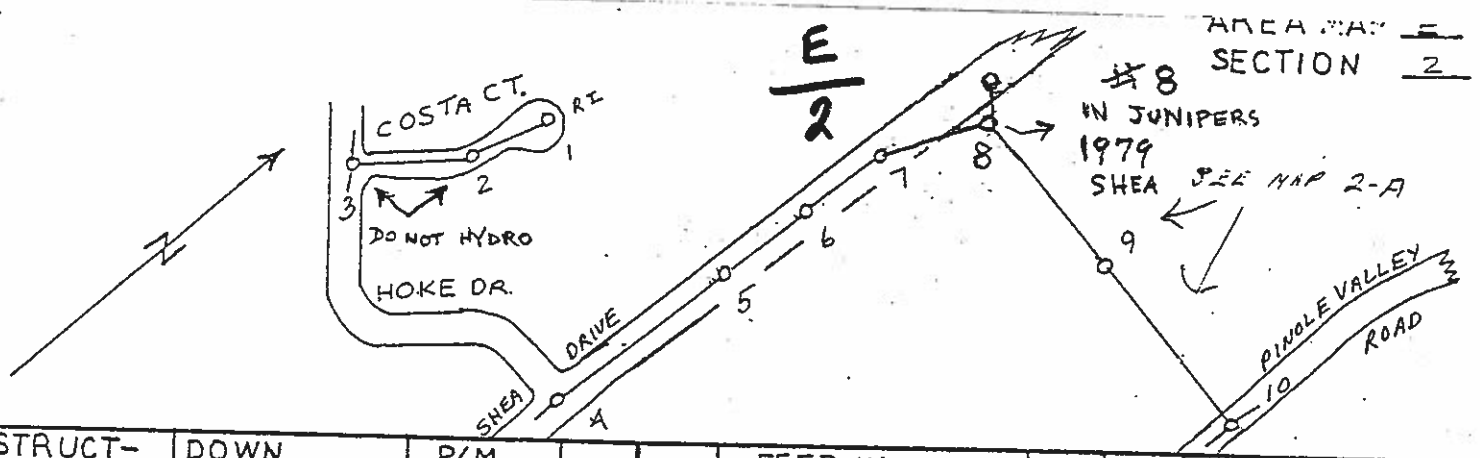


CITY OF PINOLE



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE					DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.	NEEDS WORK		INSPECTION	ROOT	SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
1	171.0	115	1-2	6	VCP																				
2	161.5	129	2-3	6	VCP										17.5%			1.12	933	0	0				
3	148.0	201	3-4	6	VCP										10.5%			1.12	933	6	6				
4	120.0	50	4-6	6	VCP										9.5%			1.12	933	3	9				
6	119.0	—	—	6	VCP										2%			.80	667	6	15				
5	119.7	75	5-6	6	VCP										—	AT SHEA DRIVE		(667)		0	15				
6	119.0	168	6-7	8	VCP										0.9%			.52	433	0	0				
7	117.3	204	7-8	8	VCP										1%	OWENS COURT	15	1.20	1000	3	18				
8	99.2	330	8-9	8	VCP										9%			2.41	2008	4	22				
9	85.0	—	—	8	VCP										4.5%			2.41	2008	4	26				
10	179.7	131	10-11	8	VCP										—	AT HOKE DRIVE		(433)	8	34					
11	172.7	208	11-12	8	VCP										5.5%			2.41	2008	0	0				
12	157.5	125	12-13	8	VCP										7.5%	COSTA COURT	13	2.41	2008	15	28				
13	141.5	221	13-14	8	VCP										13%			2.41	2008	1	29				
14	110.6	157	14-9	8	VCP										14%			2.41	2008	0	29				
9	85.0	—	—	8	VCP										16%	AT SHEA DR.		(2008)	0	29					

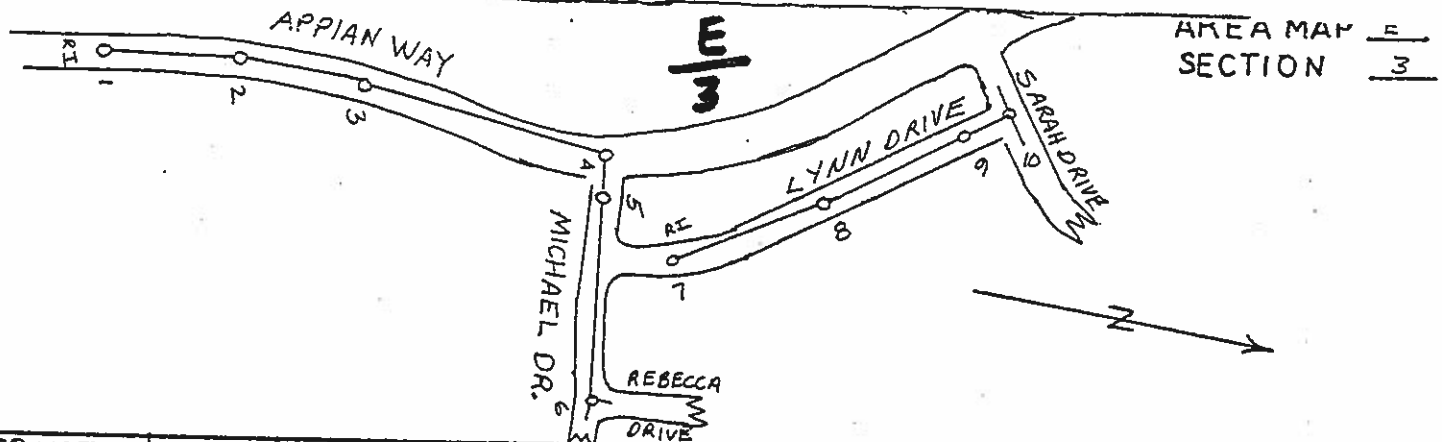
CITY OF PINOLE



AREA MAP # 5
SECTION 2

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKE MACHINE (FT)			OTHER	NAME OF STREET					
COSTA COURT																							
1	176.6	158	1-2	6	VCP																		
2	175.0	233	2-3	6	VCP										1%			.56	466	0	0		
3	173.7	—	—	6	VCP										0.6%			.44	367	9	9		
SHEA DRIVE																							
4	85.0	396	4-5	8	VCP										—	AT HOKE DRIVE	—	(367)	4	13			
5	82.2	197	5-6	8	VCP										0.7%	HOKE DRIVE	29	1.00	833	39	63		
6	79.4	225	6-7	8	VCP										1.5%			1.50	1250	3	66		
7	52.0	310	7-8	8	VCP										12%			2.91	2008	0	66		
8	43.2	—	—	8	VCP										3%			2.14	1783	0	66		
LINE ACROSS LOTS TO PINOLE VALLEY ROAD																							
8	43.2	455	8-9	10	VCP										—			—	(833)	0	66		
9	39.7	304	9-10	10	VCP										0.7%	TRACT 2846	66	1.84	1533	277	343		
10	39.0	—	—	10	VCP										0.3%			1.20	1000	0	343		
AT PINOLE VALLEY RD.																							
															—			—	(1000)	0	343		

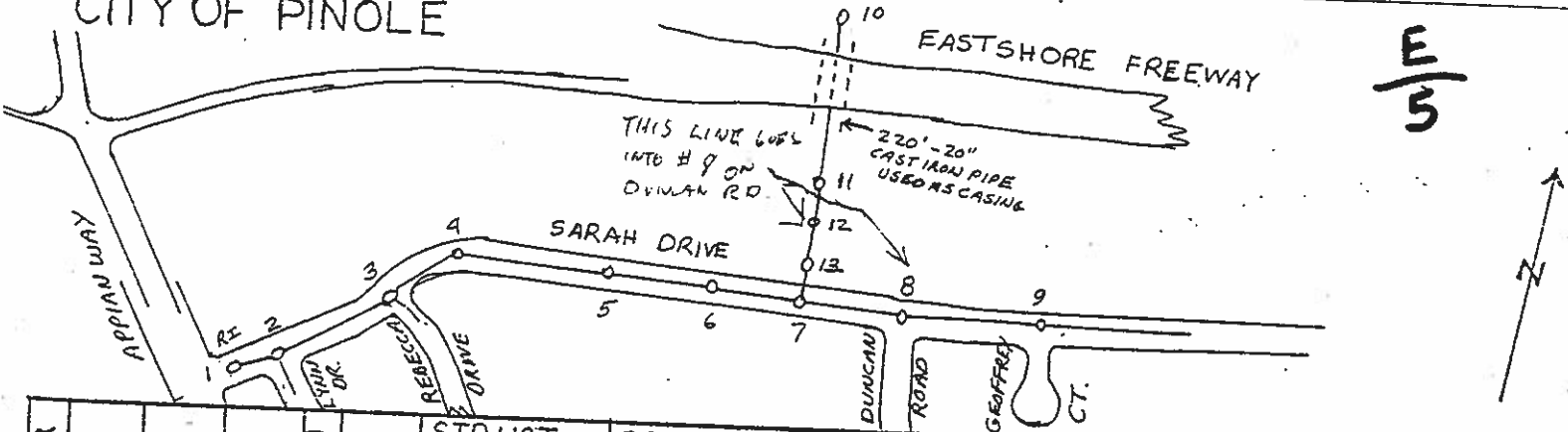
CITY OF PINOLE



INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
					CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
APPIAN WAY																						
286.4	256	1-2	6	A.C.										2.5%			.90	750	0	0		
280.0	239	2-3	6	A.C.										1.5%			.70	583	4	4		
276.5	440	3-4	6	A.C.										2.5%			.90	750	3	6		
266.4	—	—	6	A.C.										—	AT MICHAEL DRIVE		—	(583)	3	9		
MICHAEL DRIVE																						
266.4	108	4-5	8	VCP										5.5%	APPIAN WAY	9	2.41	2008	0	9		
262.7	349	5-6	8	VCP										5%			2.41	2008	0	9		
245.3	—	—	8	VCP										—	AT REBECCA DRIVE		—	(2008)	10	19		
LYNN DRIVE																						
257.2	300	7-8	8	VCP										4.5%			2.41	2008	0	0		
244.0	300	8-9	8	VCP										10%			2.41	2008	11	11		
214.4	100	9-10	8	VCP										3.5%			2.25	1875	9	20		
211.0	—	—	8	VCP										—	AT SARAH DRIVE		—	(1875)	1	21		

CITY OF PINOLE

AREA MAP E
SECTION 5

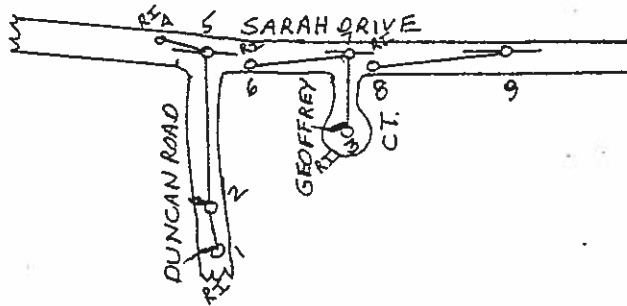


5/E

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT	SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
10	120.6	286	10-8	8	VCP																		
11	117.8	71	11-12	8	VCP									1%		TRACT 2613	117	1.20	1000	0	117		
12	87.0	66	12-13	8	VCP									43.5%			2.41	2008	0	117			
13	84.5	65	13-8	8	VCP									4%			2.41	2008	0	117			
7	84.0	71	7-8	8	VCP									0.8%			1.08	900	0	117			
1	215.8	70	1-2	8	VCP									—			—	(900)	0	117			
2	211.0	252	2-3	8	VCP									7%			2.41	2008	0	0			
3	193.0	153	3-4	8	VCP									7%		LYNN DRIVE	21	2.41	2008	3	24		
4	178.0	298	4-5	8	VCP									10%		REBECCA DRIVE	62	2.41	2008	7	93		
5	133.6	200	5-6	8	VCP									15%			2.41	2008	3	96			
6	106.0	170	6-7	8	VCP									14%			2.41	2008	7	103			
7	98.0	210	7-8	8	VCP									4.5%			2.41	2008	6	109			
8	83.3	300	8-9	8	VCP									2%		FROM TRACT 2613	117	1.70	1417	6	232		
9	82.4	—	—	8	VCP									0.4%		DUNCAN ROAD	14	0.38	650	2	248		
	214	—	—	—	—									—		GEOFFREY COURT	10	—	(650)	4	262		

CITY OF PINOLE

AREA MAP E
SECTION 6



6/E



1102

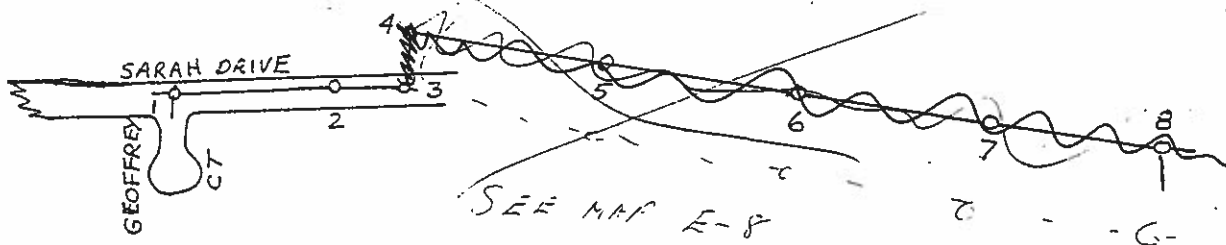
I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
	DUNCAN ROAD																						
RT 1	112.0	83	1-2	8	VCP																		
2	101.4	300	2-5	8	VCP									13%			2.41	2008	0	0			
5	83.3	—	—	8	VCP									6%			2.41	2008	4	4			
	GEOFFREY COURT																	(2008)	8	12			
RT 3	96.2	150	3-7	6	VCP																		
7	88.0	—	—	6	VCP									5.5%			1.12	933	0	0			
	6" LATERAL #1																	(933)	6	6			
RT 4	95.0	75	4-5	6	VCP																		
5	82.4	—	—	6	VCP									16%			1.12	933	0	0			
	2" LATERAL #2															AT DUNCAN ROAD		(933)	2	2			
RT 6	87.9	255	6-7	6	VCP																		
7	86.4	—	—	6	VCP									0.6%			.49	367	0	0			
	6" LATERAL #3															AT GEOFFREY COURT		(367)	4	4			
RT 8	87.0	245	8-9	6	VCP																		
9	85.4	—	—	6	VCP									0.7%			.47	392	0	0			
																		(392)	9	9			

CITY OF PINOLE

180 FREEWAY

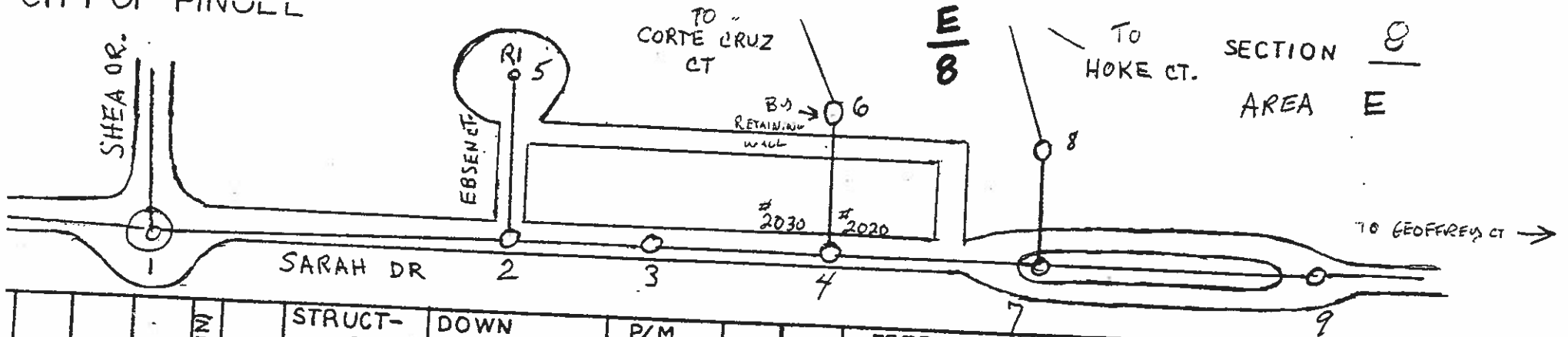
AREA MAP E
SECTION 7

E
7



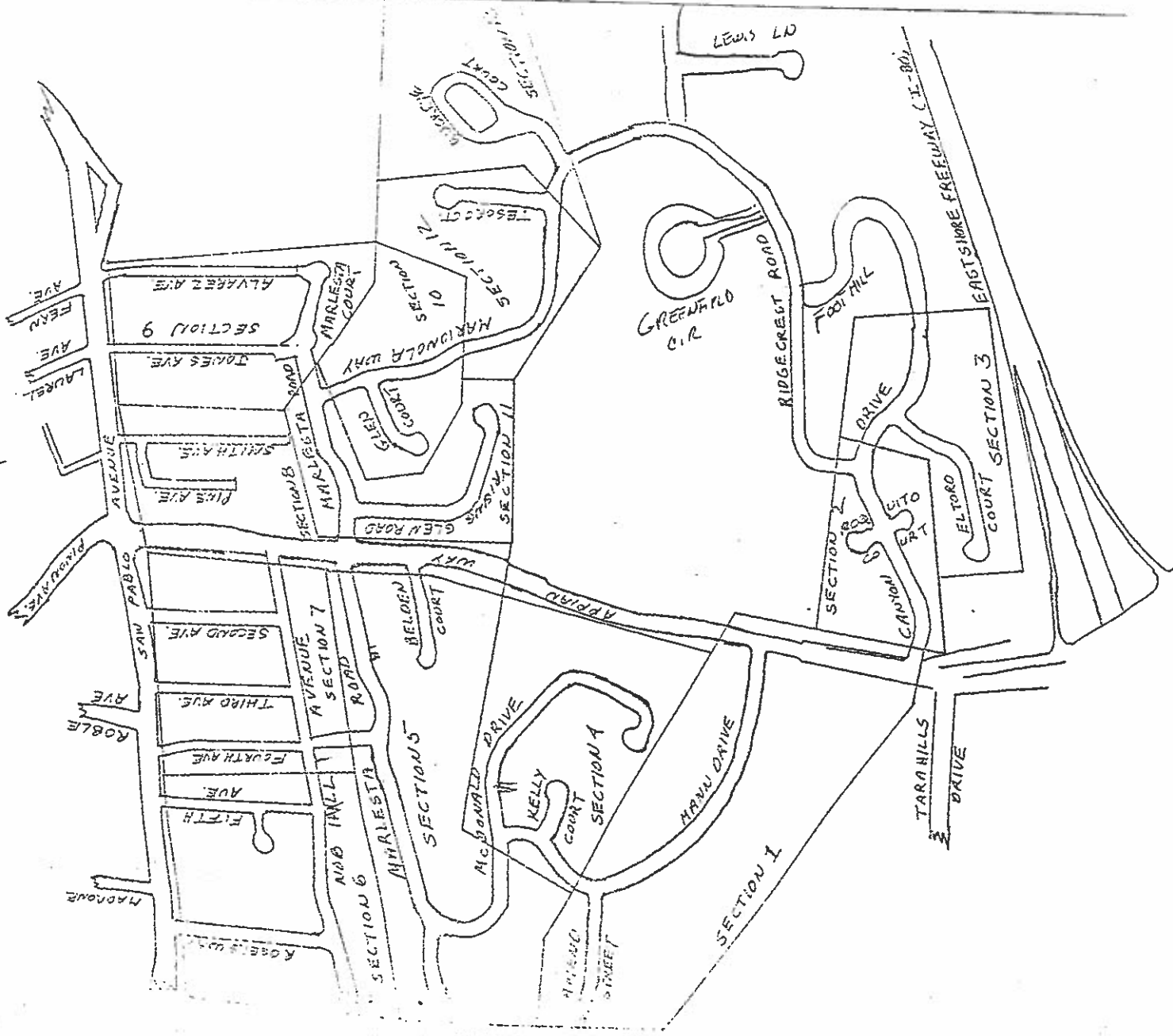
I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
1	82.4	300	1-2	8	VCP																			
2	81.5	129	2-3	8	VCP									0.3%	GEOFFREY COURT	10	.60	503	4	262				
3	74.4	104	3-4	8	VCP									5.5%	6" LATERAL	9	2.41	2008	0	271				
4	69.0	386	4-5	8	VCP									5%			2.41	2008	6	277				
5	50.9	380	5-6	8	VCP									4.5%	ACROSS LOTS TO P.V.R.		2.41	2008	0	277				
6	49.8	380	6-7	8	VCP									0.3%			.60	503	0	277				
7	43.8	335	7-8	8	VCP									1.5%			1.50	1250	0	277				
8	43.2			8	VCP									0.2%			.54	450	0	277				
		2514													FROM TRACT 2846	66		(450)	0	343				

CITY OF MINNELL



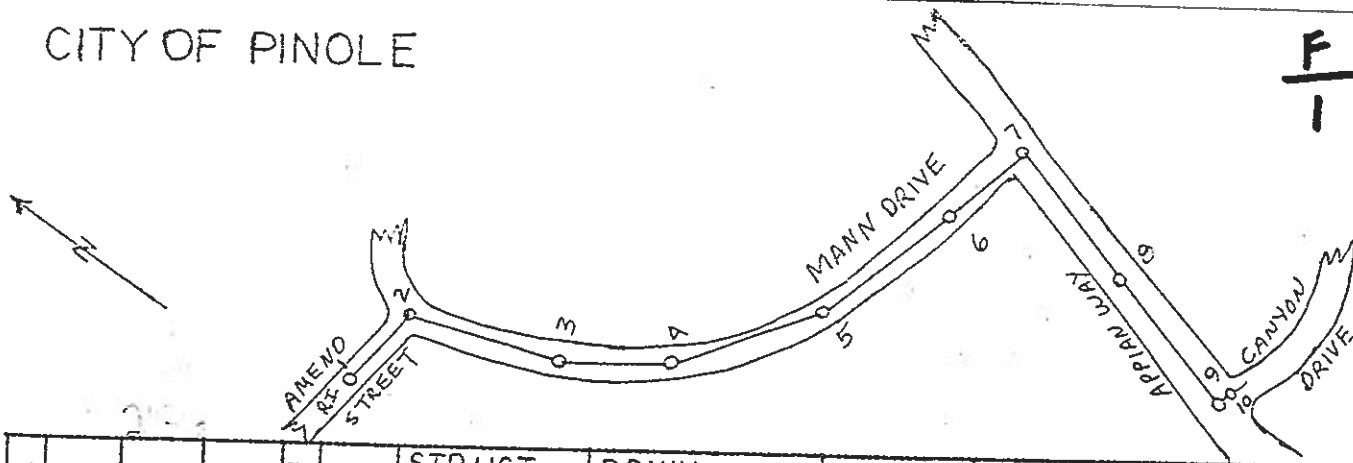
INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY QFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT	SAW (FT)			BUCKET	MACHINE (FT)					
	237	1-2	8																			
	223	2-5																				
	302	2-3																				
	293	3-4																				
	287	4-7																				
	182	7-9																				
	117	7-8																				
	134	4-6																				
	1775																					

129695



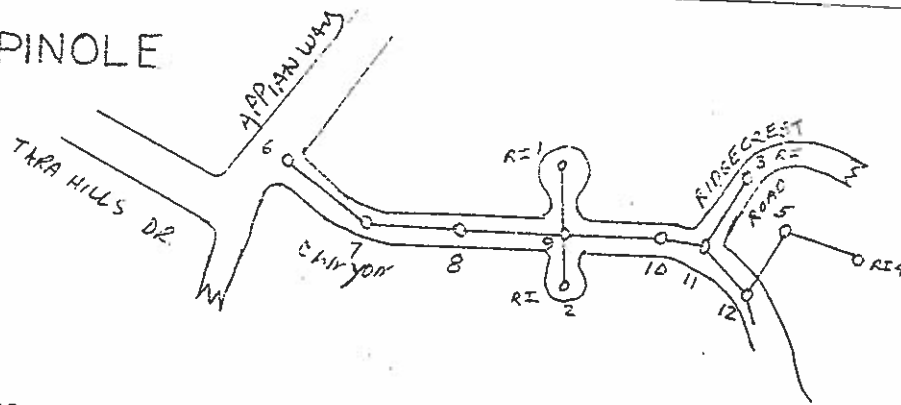
CITY OF PINOLE

AREA MAP F
SECTION 1



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET				
AMEND STREET																						
1	251.1	168	1-2	8	VCP																	
2	250.2	—	—	8	VCP									0.5%			.85	708	0	0		
MANN DRIVE																						
2	250.2	297	2-3	8	VCP									—	AT MANN DRIVE		—	(708)	6	6		
3	248.7	209	3-4	8	VCP									0.5%	AMEND STREET	6	.85	708	0	6		
4	239.4	300	4-5	8	VCP									4.5%			2.41	2008	8	14		
5	237.9	300	5-6	8	VCP									0.5%		20	.85	708	5	39		
6	236.4	226	6-7	8	VCP									0.5%			.85	708	5	44		
7	235.2	—	—	8	VCP									0.6%			.93	775	4	48		
APPIAN WAY																						
7	235.2	311	7-8	8	VCP									—	AT APPIAN WAY		—	(708)	3	51		
8	233.6	311	8-9	8	VCP									0.5%	MANN DRIVE	51	.85	708	0	51		
9	232.1	14	9-10	8	VCP									0.5%			.85	708	10	61		
10	220.3	—	—	8	VCP									—	DROP		.95	708	0	61		
														—	AT CANYON DRIVE			(708)	0	61		

CITY OF PINOLE



F
2

AF MAP F
SE ON 2

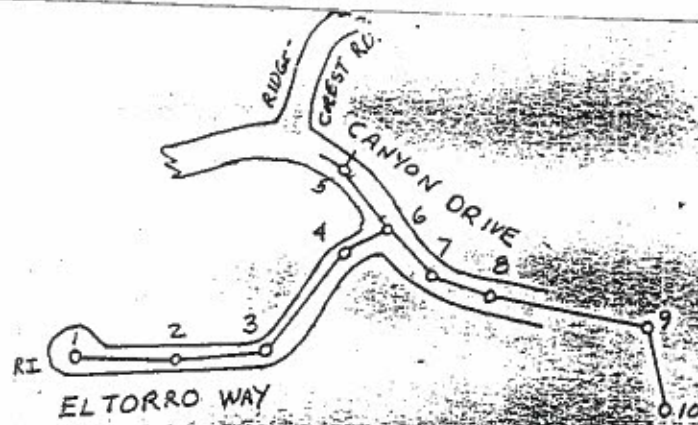
1977

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
RI 1	186.0	1-9	132	6	VCP																		
9	185.0	—	—	6	VCP									0.8%			.50	417	0	0			
RI 2	186.0	2-9	115	6	VCP									—	AT CANYON DRIVE	—	(417)	11	11				
RI 3	154.7	3-11	158	6	VCP									0.9%			.52	433	0	0			
11	152.5	—	—	6	VCP									1.5%			.70	583	0	0			
RI 4	142.8	4-5	138	6	VCP									—	AT CANYON DRIVE	—	(583)	3	3				
5	142.0	5-12	148	6	VCP									0.6%			.44	367	0	0			
12	141.0	—	—	6	VCP									0.7%			.47	392	3	3			
6	220.3	217	6-7	8	VCP									—	AT CANYON DRIVE	—	(367)	2	5				
7	218.8	781	7-8	8	VCP									0.7%	APPIAN WAY	61	1600	833	0	61			
8	217.8	215	8-9	8	VCP									0.6%			.930	775	3	64			
9	185.0	227	9-10	8	VCP									15%			2.41	2008	1	65			
10	166.5	82	10-11	8	VCP									8%	POQUITO COURT	11	2.41	2008	1	77			
11	151.0	119	11-12	8	VCP									19%			2.41	2008	1	78			
12	141.0	—	—	8	VCP									8.5%	(176 STREET) RIOSECRET ROAD ACROSS LOTS RIOSECRET ROAD	3	2.41	2008	0	81			
														—		5	—	(775)	2	82			

CITY OF PINOLE

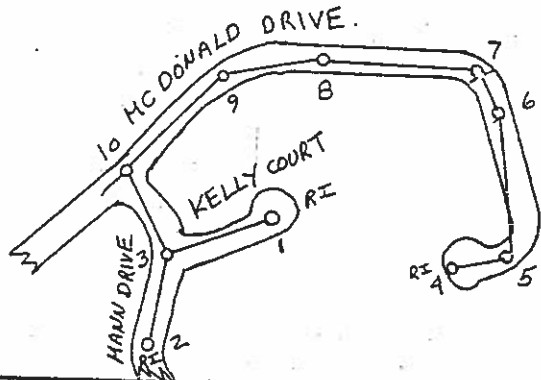
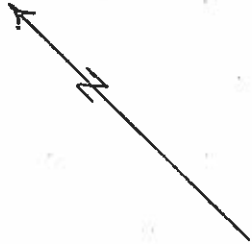
SECTION 13

F
3



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
	EL TORRO WAY																						
1	191.0	186	1-2	6	VCP																		
2	170.0	180	2-3	6	VCP									11.5%			1.12	933	0	0			
3	151.5	250	3-4	6	VCP									10.5%			1.12	933	8	8			
4	135.0	94	4-6	6	VCP									6.5%			1.12	933	6	14			
6	134.5	—	—	6	VCP									0.5%			.40	333	7	21			
	CANYON DRIVE													—			—	(333)	0	21			
5	141.0	148	5-6	8	VCP									—			—	—	—	—			
6	134.5	106	6-7	8	VCP									4.5%			2.41	2008	88	88			
7	133.9	120	7-8	8	VCP									0.6%	EL TORRO WAY	21	.93	775	2	111			
8	130.0	302	8-9	8	VCP									3%			2.14	1783	2	113			
9	127.8	161	9-10	8	VCP									0.7%			1.00	833	3	116			
10	122.2	—	—	8	VCP									3.5%			2.25	1875	1	117			
														—	GOES UNDER 3-50 TO TRACT 2764		—	(775)	0	117			

CITY OF PINOLE



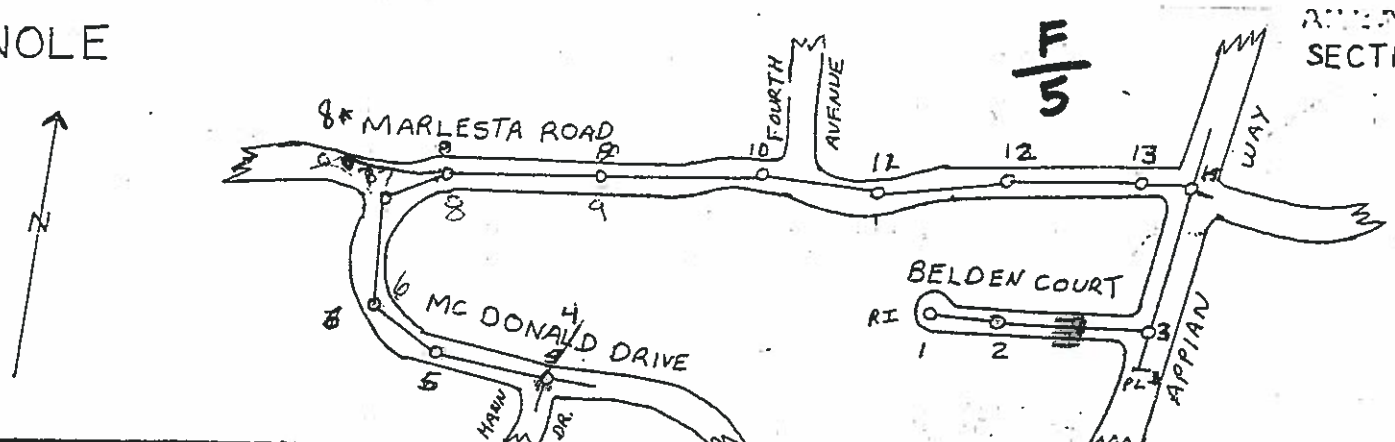
F
4

SECTION 7

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED						
	KELLY COURT																							
RE 1	255.0	211	1-3	6	VCP																			
3	243.0	—	—	6	VCP									5.5%			1.12	933	0	0				
	MANN DRIVE																							
RE 2	248.7	173	2-3	6	VCP									—	AT MANN DRIVE	—	(933)	7	7					
3	243.0	179	3-10	6	VCP									3.5%			1.06	883	0	0				
10	238.6	—	—	6	VCP									2.5%	KELLY COURT	7	.90	750	16	23				
	MC DONALD DRIVE																							
RE 4	317.0	134	4-5	6	VCP									—	AT MC DONALD DRIVE	—	(750)	2	25					
5	313.0	300	5-6	6	VCP									3%			.97	808	0	0				
6	298.0	82	6-7	6	VCP									5%			1.12	933	6	6				
7	294.0	300	7-8	6	VCP									5%			1.12	933	9	15				
8	268.7	190	8-9	6	VCP									8.5%			1.12	933	2	17				
9	263.5	266	9-10	6	VCP									3%			.97	808	10	27				
10	238.6	—	—	6	VCP									9.5%			1.12	933	3	30				
	1835													—	MANN DRIVE	25	—	(808)	8	63				

CITY OF PINOLE

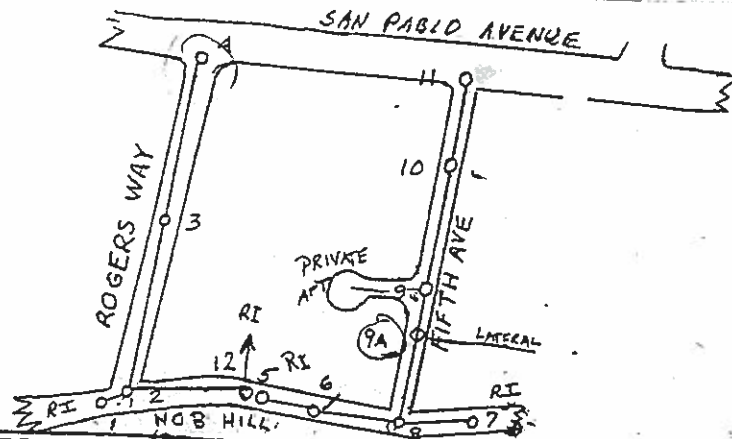
SECTION 5



M.I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
1	201.0	135	1-2	6	VCP										3.5%			1.06	883	0	0		
2	196.0	299	2-3	6	VCP										8%			1.12	933	7	7		
3	173.0	—	—	6	VCP										—	AT APPIAN WAY	—	(883)	7	14			
4	238.6	220	4-5	6	VCP										5%	HANN DRIVE	25	1.72	933	8	63		
5	227.2	145	5-6	6	VCP					DO NOT USE 6" ROOT SAW INTO T.S. FROM #6					14%			1.12	933	6	69		
6	208.2	185	6-7	6	VCP										11%			1.12	933	4	72		
7	187.5	130	7-8	6	VCP										0.6%	AT MARLESTA ROAD		.44	367	0	72		
8	186.7	300	8-9	6	VCP										0.6%	MCDONALD DRIVE	72	.44	367	4	76		
9	184.9	300	9-10	6	VCP										0.6%			.44	367	10	86		
10	183.1	230	10-11	6	VCP										0.6%			.44	367	6	92		
11	181.7	250	11-12	6	VCP										1.5%			.70	583	10	102		
12	178.0	310	12-13	6	VCP										8%			1.12	933	10	112		
13	153.0	90	13-14	6	VCP										4.5%			1.12	933	0	112		
14	149.0	—	—	6	VCP										—	AT APPIAN WAY	—	(367)	0	112			
		271	14-3	6	VCP																		

2865

CITY OF PINOLE



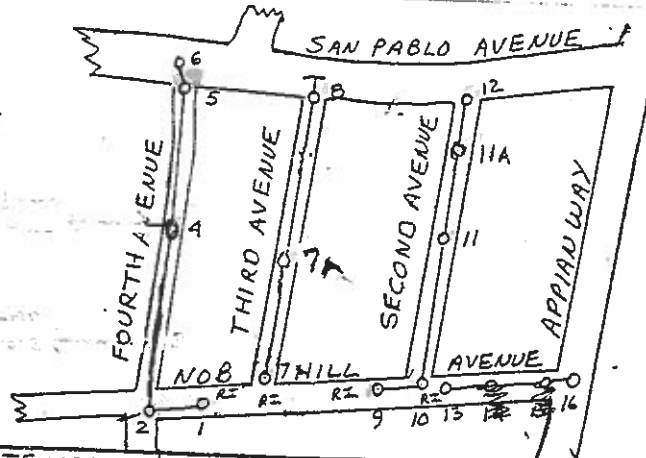
AREA SECTION F/6

6/F

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
RT 1	158.1	47	1-2	6	VCP																			
2	156.7	338	2-3	6	VCP									3%		ON NOB HILL AVE.	.97	808	0	0				
3	129.9	319	3-4	6	VCP									8%			1.12	933	3	3				
4	110.5	—	—	6	VCP									6%			1.12	933	10	13				
																AT SAN PABLO AVE.	—	(808)	7	20				
RT 5		150	5-6	6	VCP																			
6		170	6-8	6	VCP																0	0		
8		—	—	6	VCP																4	4		
RT 7		175	7-8	6	VCP											AT FIFTH AVENUE	—				16	20		
																					0	0		
8		175	8-9A	6	VCP																			
9		186	9-10	6	VCP																20			
10	107.4	269	10-11	6	VCP																0	20		
11	100.0	37	9-9	6	VCP									5%							6	26		
12		193	2-12	6																	8	34		
																					—	20		

2089

CITY OF PINOLE



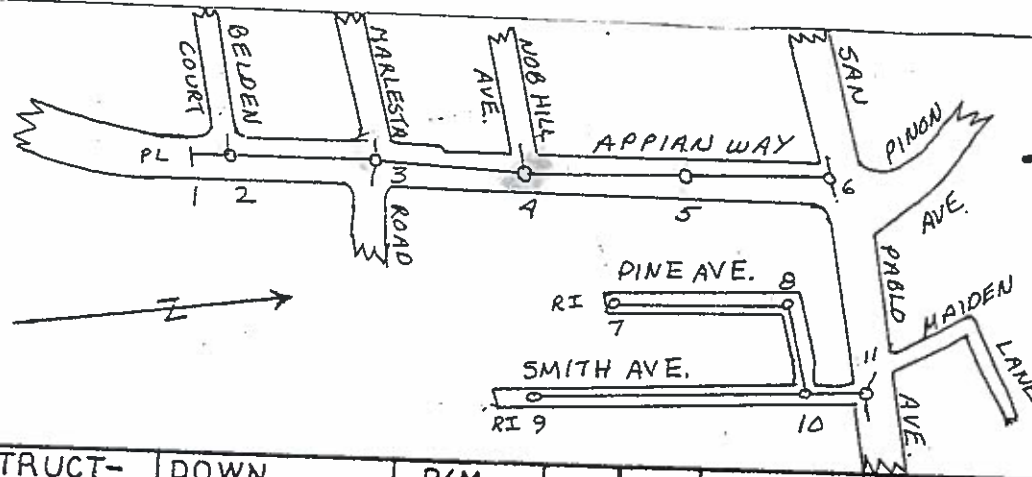
AREA MAP F
SECTION 7

2089

P.I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS			
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED		
		80	1-2	6	VCP																					
2				6	VCP																					
3		314	2-4	6	VCP																					
4		300	4-5	6	VCP																					
5		30	5-6	6	VCP																					
6		238	7-7A	6	VCP																					
RE 7		273	7-8	6	VCP											AT SAN PABLO AVE.										
8				6	VCP																					
RE 9	160.5	80	9-10	6	VCP											AT SAN PABLO AVE.										
10	159.0	275	10-11	6	VCP									2%			.80	667								
11	140.0	152	11-11A	6	VCP									7%			1.12	933								
12	102.0	128	11A-12	6	VCP									14%			1.12	933								
RE 13	156.0	700	13-14	6	VCP											AT SAN PABLO AVE.										
14	150.0	100	14-15	6	VCP									6%				(667)								
		50	15-16	6	VCP									16%				933								

2128

CITY OF PINOLE

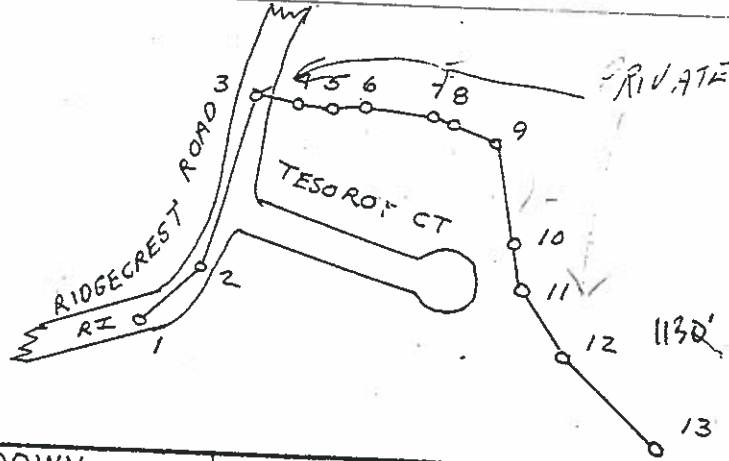


AREA MAP 7
SECTION 8

I. D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION			DATE	GRADE	FEED IN LINE		LINE CAPACITY QFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS						
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED					
PL 1				6	VCP																							
2	173.6	271	2-3	6	VCP																							
3	149.0	303	3-4	6	VCP									97%	BELDEN COURT	14	1.12	933			0				0	0		
4	122.2	289	4-5	6	VCP									97%	MARLESTA ROAD	203	1.12	933			0				217			
5	118.6	282	5-6	6	VCP									17%	NOB HILL AVE.	4	1.20	1000			0				221			
6	90.0	—	—	6	VCP									107%			1.12	933			0				221			
	PINE AVENUE														AT SAN PABLO AVE.		—	(933)			0				221			
RI 7	340	7-8	6	VCP																								
8	174	8-10	6	VCP																					0	0		
10	—	—	6	VCP																					15	15		
	SMITH AVENUE														AT SMITH AVE.						1				16			
RI 9	530	9-10	6	VCP																					0	0		
10	125	10-11	6	VCP																								
11	—	—	6	VCP																						0	0	
															PINE AVENUE	16										18	34	
															AT SAN PABLO AVE											2	36	

2314

CITY OF PINOLE

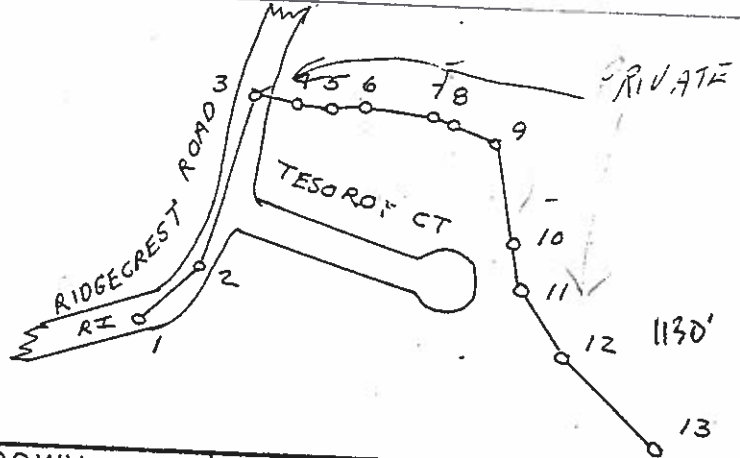


F
12

AREA MAP F
SECTION 12

I. U. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
			RIDGECREST ROAD																				
197.0	153	1-2	8	VCP																			
188.4	340	2-3	8	VCP										5.5%			2.41	2008	0	0			
183.7	77	3-4	8	VCP										1.5%			1.50	1250	150	150			
180.5	64	4-5	8	VCP										4%			2.41	2008	0	100			
175.0	51	5-6	8	VCP										10%	ACROSS LOTS		2.41	2008	0	100			
171.0	154	6-7	8	VCP										8%			2.41	2008	0	100			
148.5	30	7-8	8	VCP										14.5%			2.41	2008	0	100			
140.7	96	8-9	8	VCP										26%			2.41	2008	0	100			
137.4	196	9-10	8	VCP										3%			2.14	1783	0	100			
130.5	87	10-11	8	VCP										3.5%			2.25	1875	0	100			
108.7	150	11-12	8	VCP										25%			2.41	2008	0	100			
99.5	225	12-13	8	VCP										6%			2.41	2008	0	100			
61.1	—	—	8	VCP										15%			2.41	2008	0	100			
	1623													—			—	(1250)	0	100			

CITY OF PINOLE

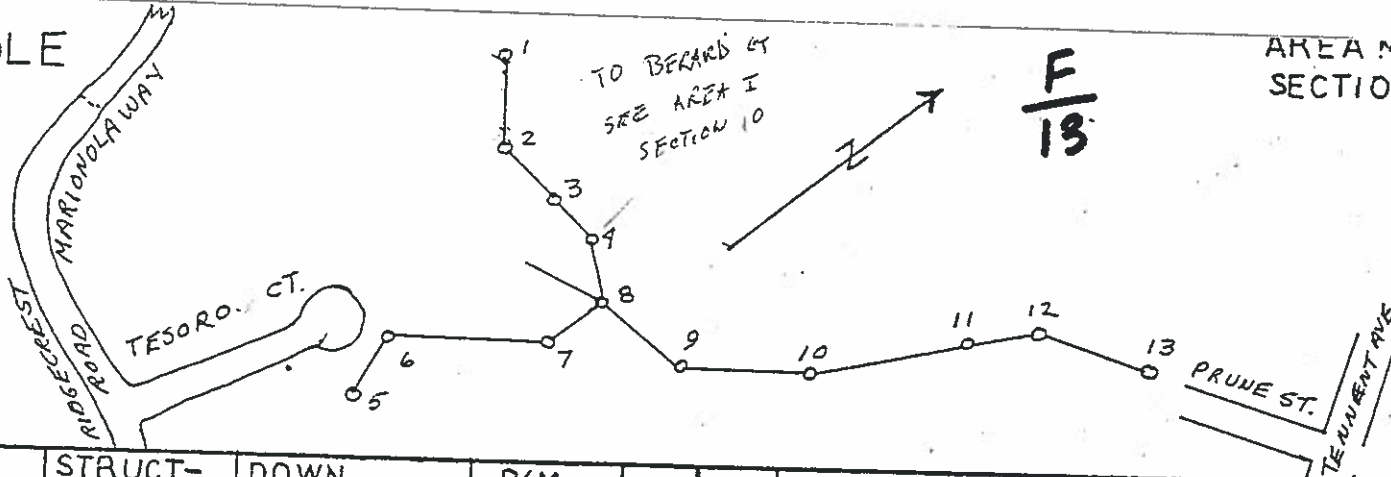


F
12

AREA MAP F
SECTION 12

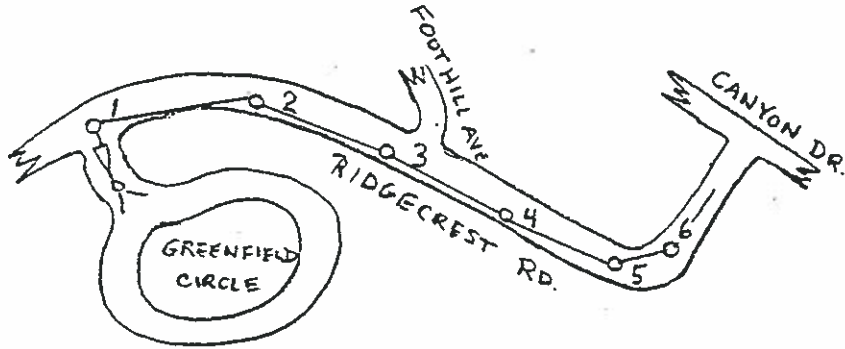
I. U. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
			RIDGECREST ROAD																				
197.0	153	1-2	8	VCP																			
188.4	340	2-3	8	VCP										5.5%			2.41	2008	0	0			
183.7	77	3-4	8	VCP										1.5%			1.50	1250	100	100			
180.5	64	4-5	8	VCP										4%			2.41	2008	0	100			
175.0	51	5-6	8	VCP										10%	ACROSS LOTS		2.41	2008	0	100			
171.0	154	6-7	8	VCP										8%			2.41	2008	0	100			
148.5	30	7-8	8	VCP										14.5%			2.41	2008	0	100			
140.7	96	8-9	8	VCP										26%			2.41	2008	0	100			
137.4	196	9-10	8	VCP										3%			2.41	2008	0	100			
130.5	87	10-11	8	VCP										3.5%			2.14	1783	0	100			
108.7	150	11-12	8	VCP										25%			2.25	1875	0	100			
99.5	225	12-13	8	VCP										6%			2.41	2008	0	100			
61.1	—	—	8	VCP										15%			2.41	2008	0	100			
	1623													—			—	(1250)	0	100			

CITY OF PINOLE



INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
111.4	186	1-2	8	VCP																		
76.0	134	2-3	8	VCP									19%			2.41	2008	147	147			
66.1	110	3-4	8	VCP									7.5%			2.41	2008	0	147			
66.0	138	4-8	8	VCP									0.1%			.39	325	0	147			
61.1	—	—	8	VCP									3.5%			2.25	1875	0	147			
144.0	113	5-6	8	VCP									—	AT MAIN LINE TO PRUNE	—	(325)	0	147				
12.3	309	6-7	8	VCP									28%			2.41	2008	50	50			
58.9	123	7-8	8	VCP									14.5%			2.41	2008	0	50			
61.1	197	8-9	8	VCP									6.5%			2.41	2008	0	50			
18.5	245	9-10	8	VCP									6.5%		197	2.41	(2008)	100	297			
9.4	197	10-11	8	VCP									3.5%			2.25	1975	0	297			
3.8	132	11-12	8	VCP									3%			2.14	1783	0	297			
5.9	229	12-13	8	VCP									6%			2.41	2008	0	297			
3.6	—	—	8	VCP									1%		20	1.20	1000	0	317			
													—		20	—	(1000)	0	337			

CITY OF PINOLE



F
16

SECTION 16
AREA F

1137

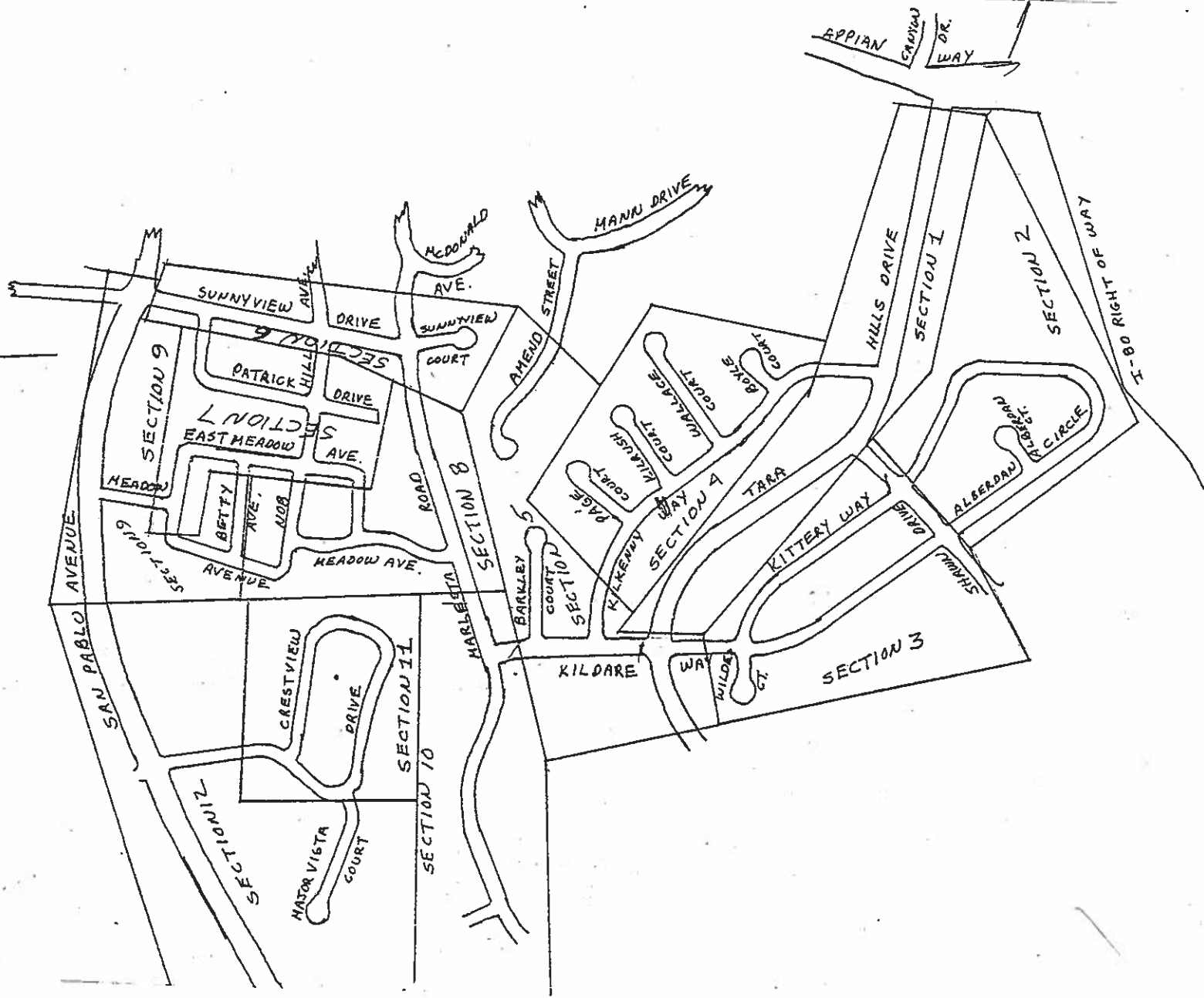
INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
					CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED						
RIDGECREST	264	1-2	8"																				
	250	2-3																					
	226	3-4																					
	243	4-5																					
	154	5-6																					

1137

161183

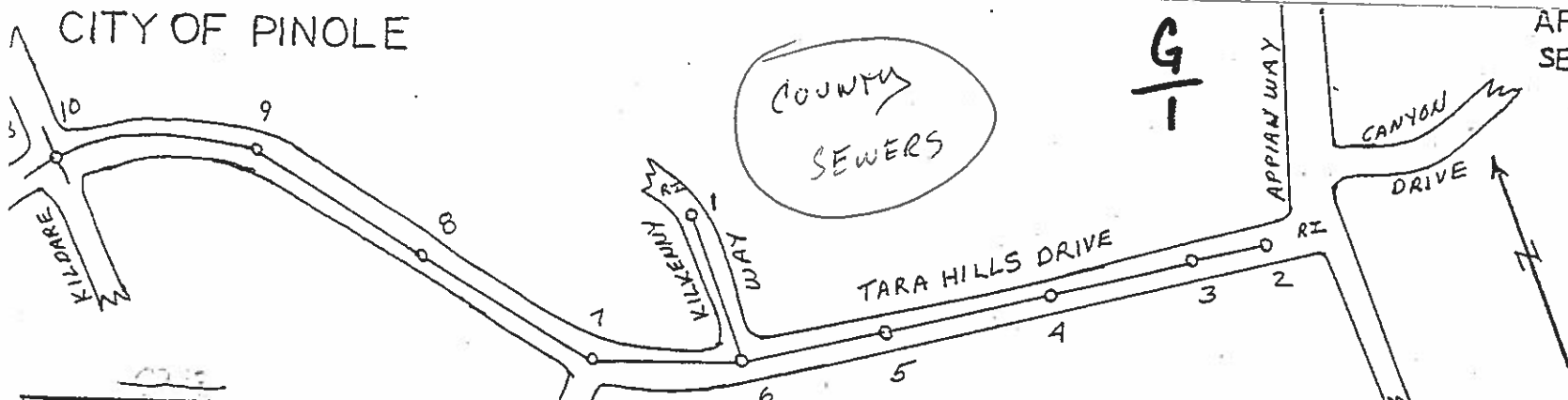
CITY OF PINOLE

AREA MAP G



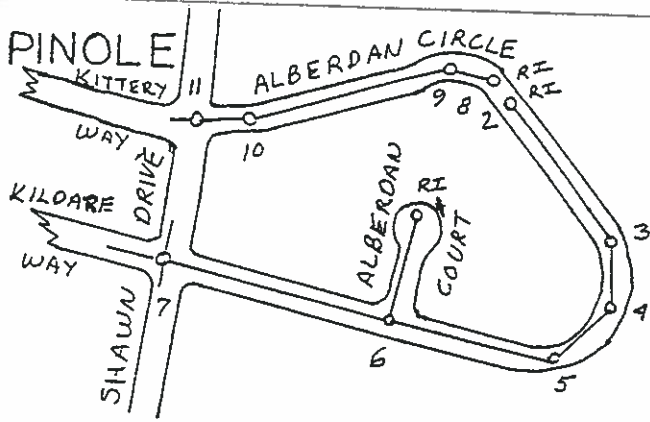
CITY OF PINOLE

AREA MAP 52
SECTION 1



R.I. D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	159.4	318	1-6	8	VCP																		
6	157.0	—	—	8	VCP									0.8%			1.08	900	0	0			
2	223.3	150	2-3	8	VCP									8.5%	AT TARA HILLS DR.		—	(900)	7	7			
3	210.3	300	3-4	8	VCP									8%			2.41	2008	0	0			
4	186.3	350	4-5	8	VCP									2%			2.41	2008	2	2			
5	179.7	300	5-6	8	VCP									8%			1.70	1417	20	22			
6	155.8	213	6-7	8	VCP									11.5%	KILKENNY WAY	7	2.41	2008	10	32			
7	131.4	484	7-8	8	VCP									3%			2.41	1783	6	50			
8	116.9	401	8-9	8	VCP									3.5%			2.25	1875	12	62			
9	103.0	427	9-10	8	VCP									4%			2.41	2008	14	76			
10	84.9	—	—	8	VCP									—	AT KILDARE WAY		—	(1417)	11	87			

CITY OF PINOLE



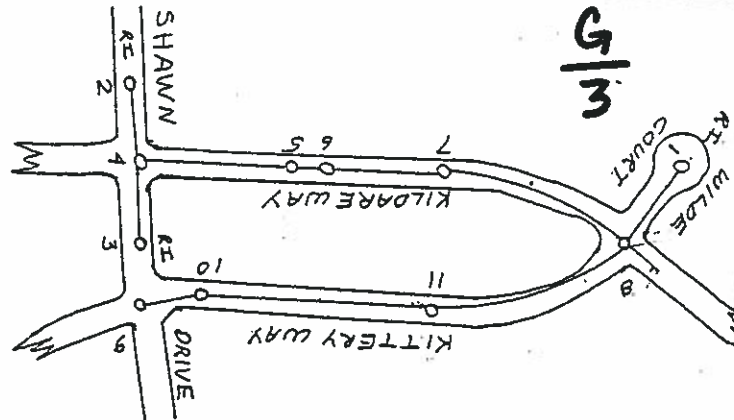
AREA
SECTION 2

G
2

COUNTY
SEWERS

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
	ALBERDAN COURT																						
RI 1	137.5	204	1-6	8	VCP																		
6	124.2	—	—	8	VCP										6.5%			2.41	2008	0	0		
	ALBERDAN CIRCLE																						
RI 2	163.0	333	2-3	8	VCP												AT ALBERDAN CIRCLE	—	(2008)	9	9		
3	148.5	125	3-4	8	VCP										4.5%			2.41	2008	0	0		
4	139.0	162	4-5	8	VCP										7.5%			2.41	2008	11	11		
5	125.8	317	5-6	8	VCP										8%			2.41	2008	3	14		
6	124.7	443	6-7	8	VCP										0.3%			.60	503	5	19		
7	122.3	—	—	8	VCP										0.5%	ALBERDAN COURT	9	.85	708	5	33		
RI 8	161.3	105	8-9	8	VCP										—	AT SHAWN DRIVE		—	(503)	10	43		
9	158.5	392	9-10	8	VCP										2.5%			1.97	1642	0	0		
10	138.2	160	10-11	8	VCP										5%			2.41	2008	2	2		
11	123.0	—	—	8	VCP										15%			2.41	2008	11	13		
															—	AT SHAWN DRIVE		—	(1642)	2	15		

CITY OF PINOLE

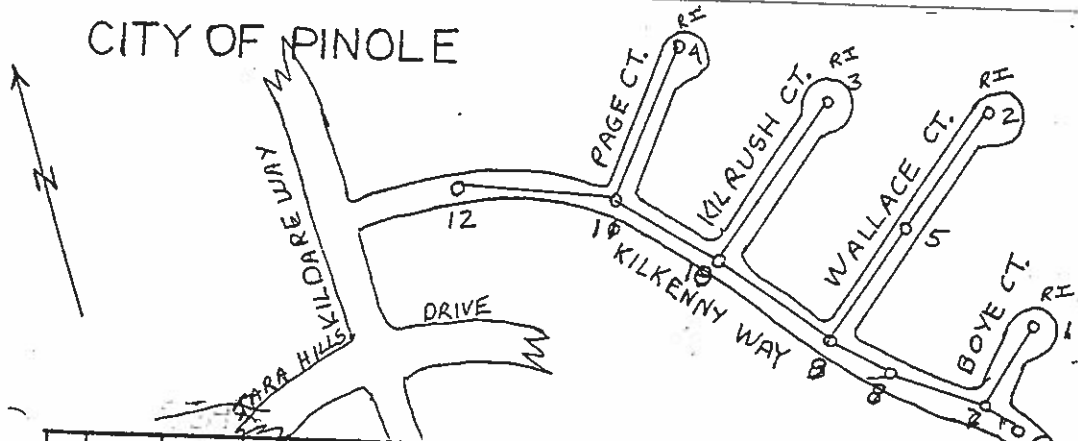


AREA M.M. 6
SECTION 3

COUNTY
SEWERS

REF	I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS		
							CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED							
REF 1	106.0	175	1-8	8	VCP																					
8	88.4	—	—	8	VCP																					
REF 2	144.0	147	2-4	8	VCP												AT KILDARE WAY					0	0			
4	122.3	—	—	8	VCP									15%				2.41	2008			0	0			
REF 3	123.0	143	3-4	8	VCP									—				—	—			5	5			
4	122.3	277	4-5	8	VCP									0.5%				.85	708			0	0			
5	103.5	75	5-6	8	VCP									7%	ALBERDAN & SHAWN	48		2.41	2008			0	48			
6	96.0	237	6-7	8	VCP									10%				2.41	2008			8	56			
7	92.2	240	7-8	8	VCP									1.5%				1.50	1250			2	58			
8	88.7	—	—	8	VCP									1.5%				1.50	1250			16	74			
9	123.0	129	9-10	8	VCP									—	WILDE CT. & KITTELY	49		—	(1250)			3	77			
10	117.6	450	10-11	8	VCP									4%	ALBERDAN CIRCLE	15		2.41	2008			2	17			
11	102.0	409	11-12	8	VCP									3.5%				2.25	1875			2	19			
8	88.7	—	—	8	VCP									3%				2.14	1783			15	34			
														—	AT KILDAREWAY			—	(1783)			10	44			

CITY OF PINOLE



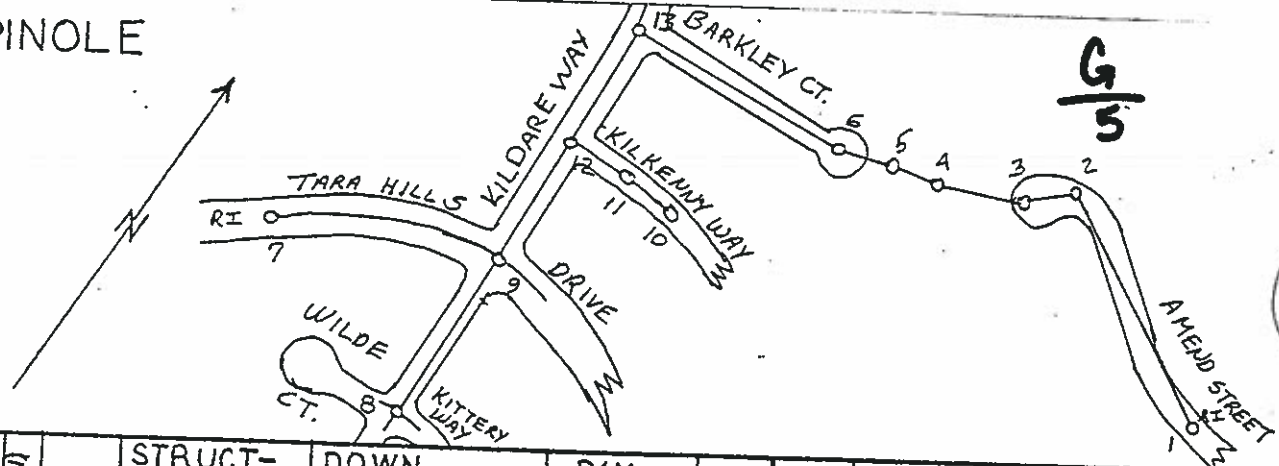
G
4

AREA MAP 6
SECTION 4

COUNTY
SEWERS

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE					DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.	NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
1	192.5	175	1-7	8	VCP																			
2	151.9	—	—	8	VCP										11.5%			2.41	2008	0	0			
3	177.3	260	2-5	8	VCP										—	AT KILKENNY WAY	2.41	(2008)	6	6				
4	154.5	265	5-9	8	VCP										8.5%			2.41	2008	0	0			
5	131.3	—	—	8	VCP										8.5%			2.41	2008	8	8			
6	168.0	362	3-10	8	VCP										—	AT KILKENNY WAY	—	(2008)	8	16				
7	120.3	—	—	8	VCP										4.5%			2.41	2008	0	0			
8	155.0	320	4-11	8	VCP										—	AT KILKENNY WAY	—	(2008)	13	13				
9	113.0	—	—	8	VCP										13%			2.41	2008	0	0			
10	157.5	77	6-7	8	VCP										—	AT KILKENNY WAY	—	(2008)	11	11				
11	151.9	208	7-8	8	VCP										8.5%			2.41	(2008)	0	0			
12	136.7	128	8-9	8	VCP										7.5%	BOYE COURT	6	2.41	2008	1	7			
13	131.0	260	9-10	8	VCP										4.5%			2.41	2008	4	11			
14	120.3	230	10-11	8	VCP										4%	WALLACE COURT	16	2.41	2008	2	29			
15	113.0	263	11-12	8	VCP										3%	KILRUSH COURT	13	2.14	1783	5	47			
16	100.5	—	—	8	VCP										5%	PAGE COURT	11	2.41	(2008)	3	61			
															—			—	(1783)	5	66			

CITY OF PINOLE



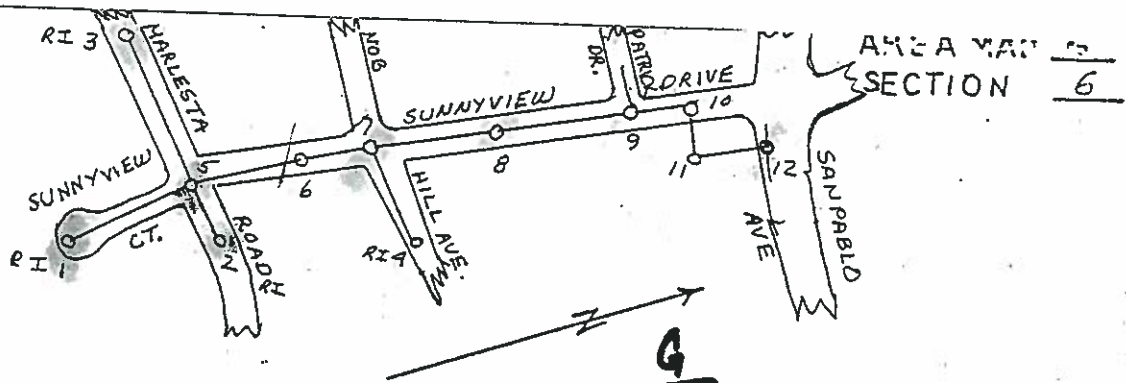
AREA MAP 6
SECTION 5

COUNTY
SEWERS

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKE MACHINE (FT)			OTHER	NAME OF STREET					
RT 1	252.0	500	1-2	8	VCP																		
2	224.0	79	2-3	8	VCP									5.5%	ON AHEUD ST.			2.41	2008	0	0		
3	217.6	168	3-4	8	VCP									8%	"			2.41	2008	16	16		
4	199.0	92	4-5	8	VCP									11%	ACROSS LOTS TO BARKLEY CT.			2.41	2008	2	18		
5	148.0	110	5-6	8	VCP									55%				2.41	2008	5	23		
6	140.0	449	6-13	8	VCP									7.5%	ON BARKLEY CT.			2.41	2008	0	23		
13	79.5	—	—	8	VCP									13.5%				2.41	2008	0	23		
RT 7	110.5	450	7-9	8	VCP									—	AT KILDARE WAY			—	(2008)	14	37		
9	84.9	—	—	8	VCP									5.5%				2.41	2008	0	0		
8	88.2	335	8-9	8	VCP									—	AT KILDARE WAY			—	(2008)	11	11		
9	84.6	260	9-12	8	VCP									1%	WILDE CT. & KITTERY	93		1.20	1000	93	93		
10	100.5	165	10-11	8	VCP									1%	TARA HILLS DRIVE	98		1.20	1000	6	197		
11	86.4	118	11-12	8	VCP									8.5%	KILKENNY WAY			2.41	2008	66	66		
12	82.0	250	12-13	8	VCP									3.5%				2.25	1875	3	69		
13	79.5	—	—	8	VCP									0.9%	KILKENNY WAY	71		1.16	930	3	271		
														—	BARKLEY CT. & AHEUD ST.	37		—	(930)	6	277		

CITY OF PINOLE

8440 8-9

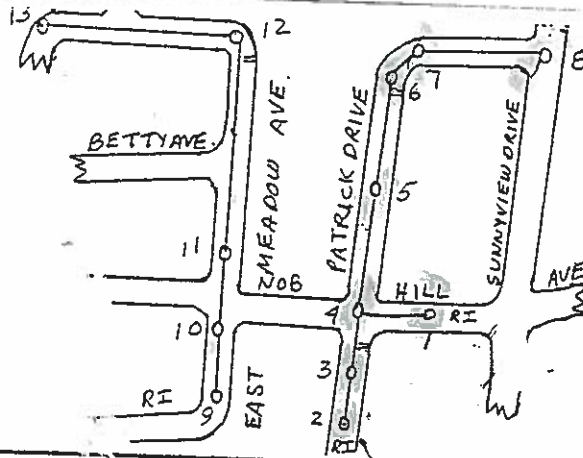
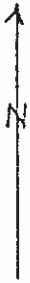


B
6

6/6

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY C/FT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
REF 1	185.5	270	1-5	6	VCP																		
5	171.5	—	—	6	VCP									5%			1.12	933	0	0			
REF 2		125	2-5	6	VCP									—	AT MARLESTA ROAD		(933)	0	0				
5	171.5	—	—	6	VCP									—					0	0			
REF 3	180.5	300	3-5	6	VCP									—	AT SUNNYVIEW DR.				14	14			
REF 4	158.1	200	4-7	6	VCP									3%			.97	808	0	0			
7														—					0	0			
5	171.5	210	5-6	6	VCP									—	AT SUNNYVIEW DR.				3	3			
6	158.5	142	6-7	6	VCP									6%	SUNNYVIEW CT. B	23			0	23			
7		243	7-8	6	VCP									—					2	25			
8		252	8-9	6	VCP									—	NOB HILL AVENUE	3			7	35			
9		118	9-10	8	VCP									—					7	42			
10		145	10-11	8	VCP									—	PATRICK DRIVE	28			2	72			
11		123	11-12	8	VCP									—					1	73			
12		—	—	8	VCP									—					0	73			
														—	AT SAN PABLO AVE.				0	73			

CITY OF PINOLE



8-7-90 7-5F 7-6
10-23-90 7-8 7-6-6-3-3-4

G
7

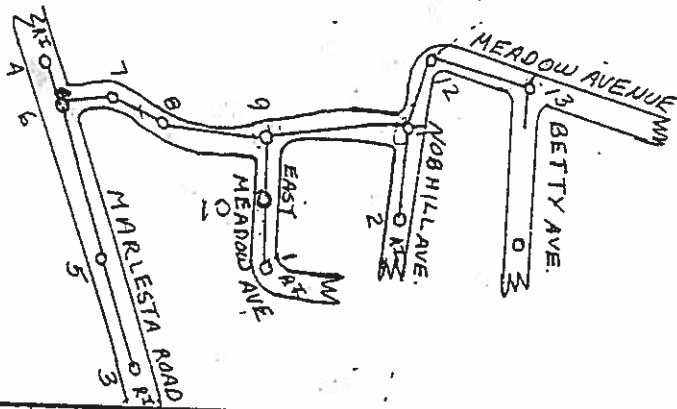
AREA MAP 6
SECTION 7

R.I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY C/FT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
4		133	1-4	6	VCP																			
2		95	2-3	6	VCP											AT PATRICK DRIVE					0	0		
3		113	3-4	8	VCP																0	0		
4		237	4-5	8	VCP																2	2		
5		249	5-6	8	VCP											NOB HILL AVE	2				5	7		
6		82	6-7	8	VCP																8	15		
7		250	7-8	8	VCP																6	21		
8				8	VCP																2	23		
9		110	9-10	6	VCP											AT SUNNYVIEW DR.					5	28		
10	120.0	140	10-11	6	VCP																0	0		
11	120.9	417	11-12	6	VCP																3	3		
12	102.3	383	12-13	6	VCP									4.5%				1.12	933		3	6		
13	94.2			6	VCP									3.9%				.97	808		11	17		
																			(808)		12	29		

CITY OF PINOLE

G
8

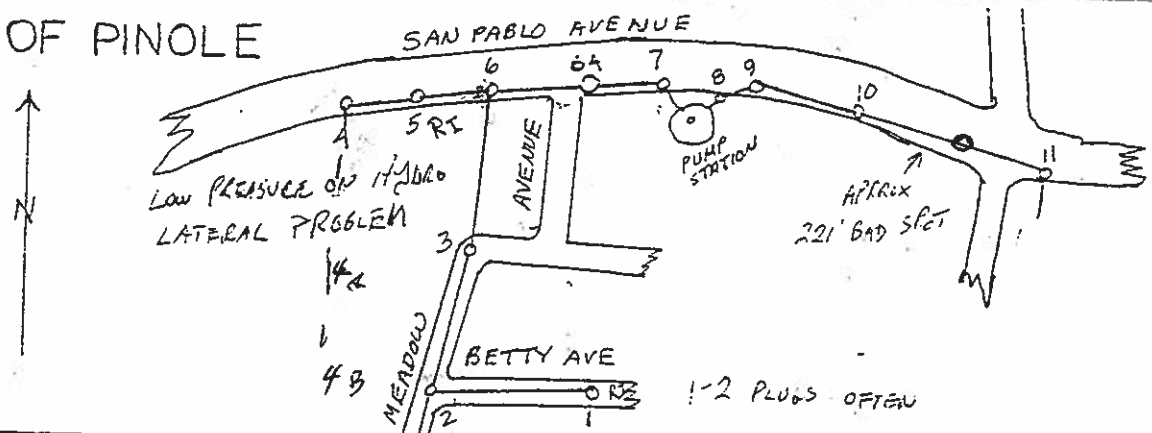
AREA MAT 5
SECTION 8



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION			DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)			BUCKET MACHINE (FT)	OTHER					
1	113.0	163	1-10	6	VCP																	
9	121.9	100	10-9	6	VCP																	
2	116.0	230	2-11	6	VCP										AT MEADOW AVE				6	6		
11	113.0	—	—	6	VCP								0.7%			.47	392	0	0			
3	181.9	215	3-5	6	VCP								—	AT MEADOW AVE.		—	(392)	6	6			
5	160.7	291	5-6	6	VCP								10%			1.12	933	0	0			
6	123.0	—	—	6	VCP								13%			1.12	933	6	6			
4	123.5	72	4-6	6	VCP								—	AT MEADOW AVE.		—	(392)	15	15			
6	123.0	95	6-7	6	VCP								0.7%			.47	(392)	0	0			
7	122.0	110	7-8	6	VCP								1%	HARLESTA ROAD	15	.56	466	3	18			
3	122.0	262	11-9	6	VCP														5	23		
9	121.9	206	9-8	6	VCP														3	26		
0	118.8	128	8-7	6	VCP										EAST MEADOW AVE	6			5	37		
1	113.0	132	11-2	6	VCP														1	38		
2	111.9	211	12-13	6	VCP								0.9%	NOB HILL AVE.	6	.52	433	0	44			
3	104.1	—	—	6									4%			1.12	933	2	46			
													—	AT BETTY AVE.	7	—	933	7	60			

G
9

CITY OF PINOLE



AREA 6
SECTION 9

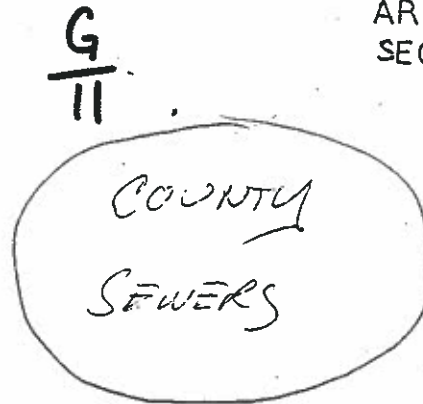
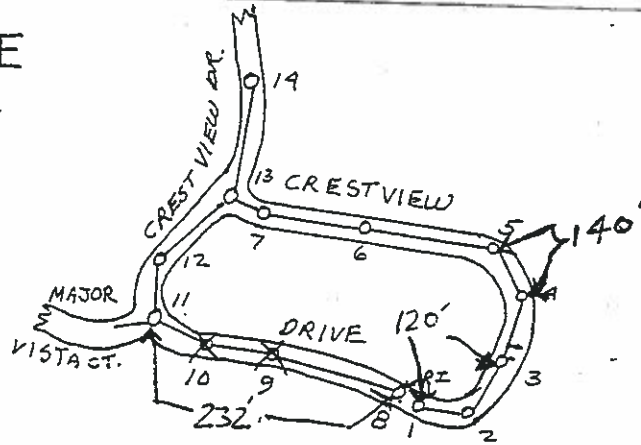
7-10-90 9-10-10-11 CLOSED
11-22-90 3-20-91-3 CLOSED
SEE NEXT PAGE

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	108.4	300	1-2	6	VCP										1.5%			.70	583	0	0		
2	104.1			6	VCP											AT MEADOW AVENUE		(583)	7	7			
MEADOW AVENUE																							
2	104.1	289	2-3	6	VCP										3.5%	BETTY AVENUE	7	1.06	883	0	60		
3	94.2	281	3-4	6	VCP										1.5%	EAST MEADOW AVE.	29	.70	583	7	96		
6	89.2			6	VCP													(583)	0	96			
SAN PABLO AVENUE																							
4	91.1	207	4-5	6	VCP										0.9%			.52	433	0	0		
5	89.9	245	5-6	6	VCP										0.5%			.40	333	2	2		
6	89.2	245	6-6A	6	VCP										0.5%	MEADOW AVE.	96	.40	333	5	103		
7	87.5	50	7-8	6	VCP										0.2%					0	112	FORCE MAIN	
8	89.8	58	8-9	6	VCP													.25	213	9	112	" "	
9		201	9-10	6	VCP															0	112	" "	
10		465	10-11	6	VCP															0	112	" "	
11	110.5	233	6A-7	6	VCP											SUNNYVIEW DR.	73			2	112	" "	
																				3	117		
																				1	120		

257A

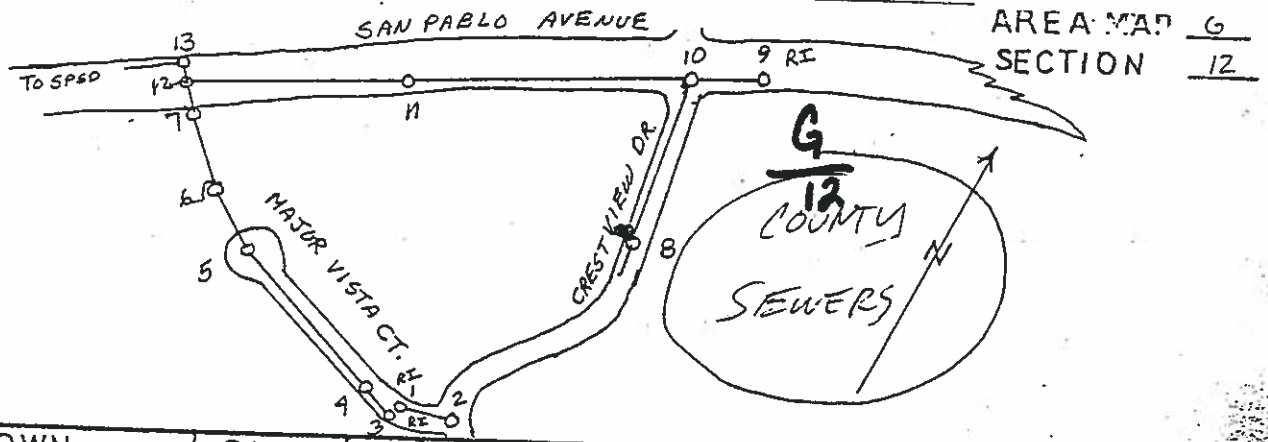
CITY OF PINOLE

AREA MAP 6
SECTION 11



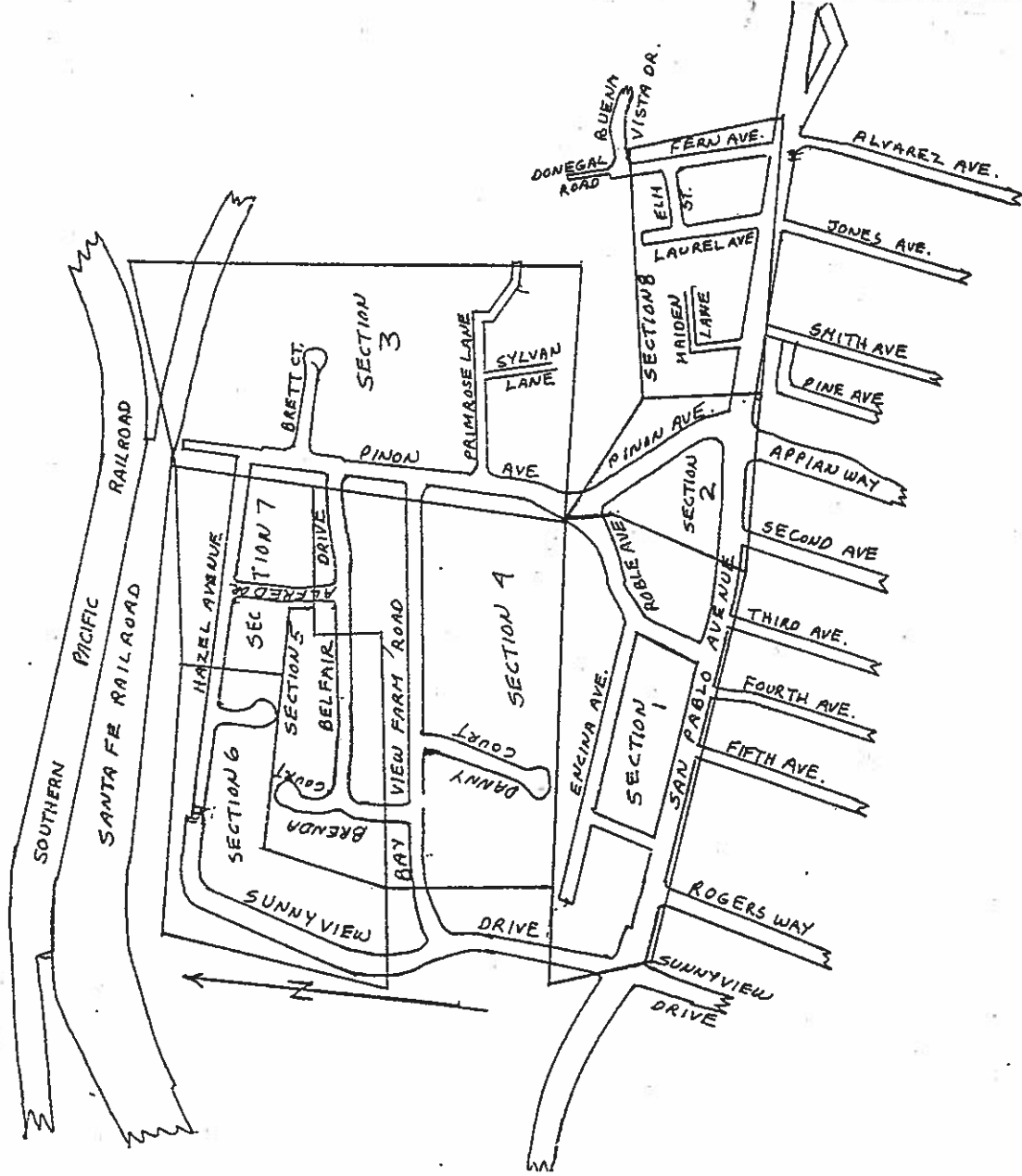
R.I. I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	215.0	108	1-2	8	VCP																		
2	213.1	117	2-3	8	VCP										1.5%			1.50	1250	0	0		
3	211.0	130	3-4	8	VCP										2%			1.70	1417	3	3		
4	196.0	106	4-5	8	VCP										11.5%			2.41	2008	2	5		
5	183.9	247	5-6	8	VCP										14%			2.41	2008	4	9		
6	177.2	200	6-7	8	VCP										2.5%			1.97	1642	8	17		
7	157.8	78	7-13	8	VCP										9.5%			2.41	2008	4	21		
13	150.1	—	—	8	VCP										10%			2.41	2008	2	23		
8	215.0	270	8-9	8	VCP										—			—	(1250)	0	23		
9	213.0	127	9-10	8	VCP										0.7%			1.00	833	0	0		
10	209.0	114	10-11	8	VCP										3%			2.14	1783	6	6		
11	194.2	135	11-12	8	VCP										14%			2.41	2008	5	11		
12	175.4	169	12-13	8	VCP										14%	MAJOR VISTA CT.	1	2.41	2008	5	16		
13	150.1	241	13-14	8	VCP										15%			2.41	2008	1	18		
14	118.4	—	—	8	VCP										13%	CRESTVIEW (EAST)	23	2.41	2008	4	45		
																		—	(833)	5	50	193953	

CITY OF PINOLE

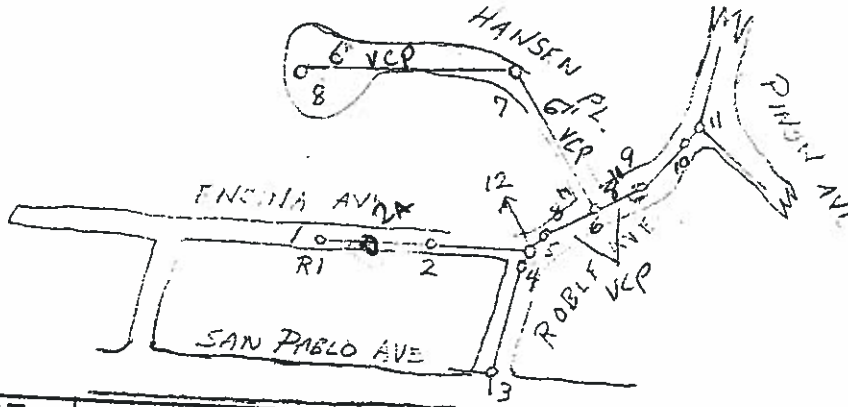


I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CIFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	202.8	100	1-2	8	VCP																		
2	194.2	—	—	8	VCP									8.5%			2.41	2008	0	0			
3	201.0	80	3-4	8	VCP									—	AT CRESTVIEW DR.		—	(2008)	1	1			
4	198.6	350	4-5	8	VCP									3%			2.14	1783	0	0			
5	181.8	127	5-6	8	VCP									5.5%			2.41	2008	14	14			
6	178.0	161	6-7	8	VCP									3%			2.14	1783	2	16			
7	119.0	62	7-12	8	VCP									31%			2.41	2008	0	16			
12	70.0	—	—	8	VCP									.40%			2.41	2008	0	16			
8	119.4	293	8-10	8	VCP									—	AT SAN PABLO AVE.		—	(1783)	0	16			
10	90.0	—	—	8	VCP									9.5%			2.41	2008	50	50			
9	93.0	135	9-10	8	VCP									—	AT SAN PABLO AVE.		—	(833)	8	58			
10	90.0	465	10-11	8	VCP									2%			1.70	1417	0	0			
11	81.0	380	11-12	8	VCP									2%	CRESTVIEW DRIVE	58	1.70	1417	2	60			
12	70.0	52	12-13	8	VCP									3%			2.14	1783	5	65			
13	60.7	—	—	10	VCP									18%	MAJOR VISTA CT.	16	2.41	2008	5	86			
														—			—	(1417)	0	86			

TO SAN PABLO SANITATION DISTRICT



ITY OF PINOLE



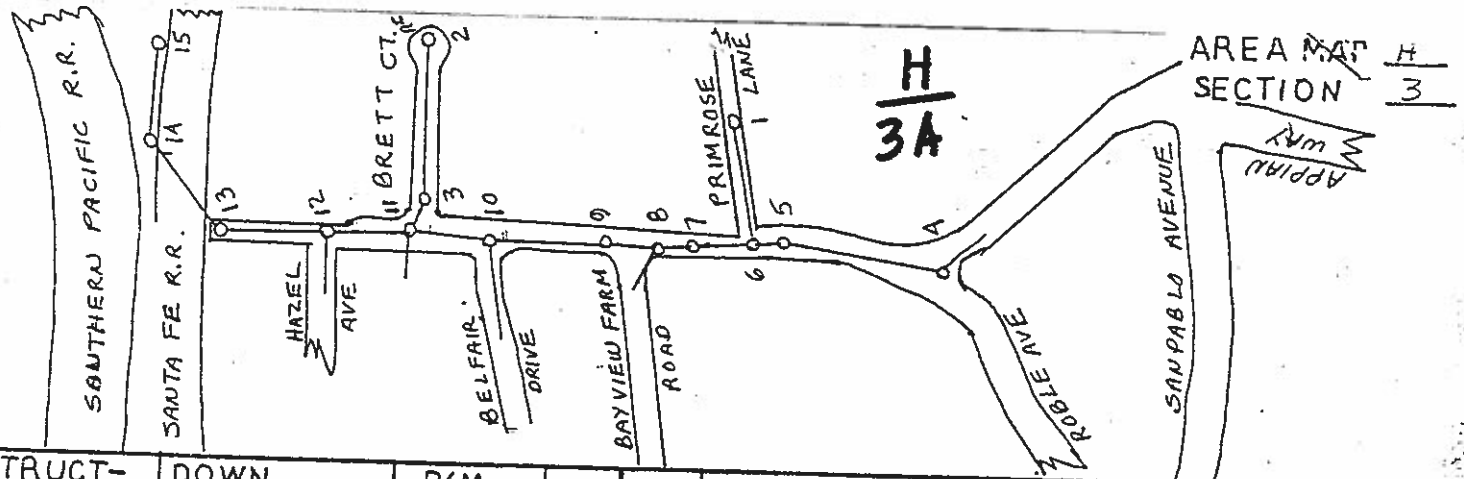
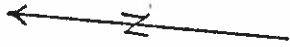
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SECTION 1A
AREA H



DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY QFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
				CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
99	1-2																				
99	2-12																				
230	3-4																				
26	4-12																				
53	12-5																				
89	5-6																				
135	6-7	6																			
123	7-8	6																			
150	6-9																				
133	9-10																				
22	10-11																				

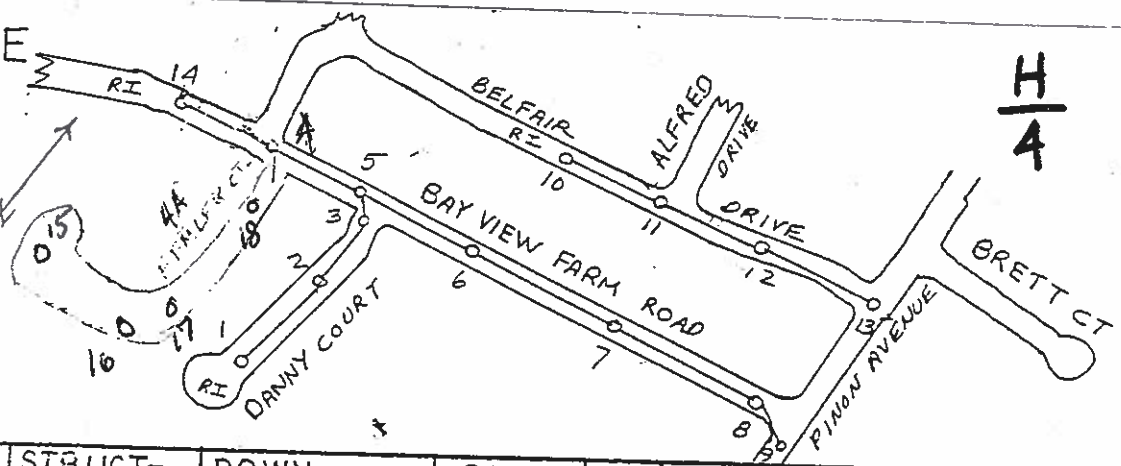
CITY OF PINOLE



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
1	65.7	225	1-6	8	VCP																			
6	58.5	—	—	8	VCP										3%			2.14	2008	15	15			
2	83.5	200	2-3	8	VCP										—	AT PINON AVE.	—	(2008)	0	15				
3	59.5	59	3-11	8	VCP										8%			2.41	2008	0	0			
11	55.7	—	—	8	VCP										6.5%			2.41	2008	14	14			
4	68.8	314	4-5	8	VCP										—	AT PINON AVE.	—	(2008)	0	14				
5	61.2	70	5-6	10	VCP										2.5%			1.97	1642	595	595			
6	58.5	100	6-7	10	VCP										4%			2.41	2008	0	595			
7	54.5	70	7-8	10	VCP										4%	PRIMROSE LANE	15	4.46	3717	0	610			
8	54.4	220	8-9	10	VCP										0.5%			1.55	1292	0	610			
9	54.9	230	9-10	10	VCP										0.1%	BAYVIEW FARM RD.	28	.70	583	0	638	*SLOPE		
10	53.9	160	10-11	10	VCP										0.2%			.960	800	0	638			
11	52.5	168	11-12	10	VCP										0.9%	BELFAIR DRIVE	17	2.05	1708	0	655			
12	50.6	200	12-13	10	VCP										1%	BRETTE COURT	44	2.24	1867	0	699			
13	47.4	218	13-14	12	VCP										2%	HAZEL AVE.	134	3.06	2550	2	835			
14	46.3	—	—	12	VCP										0.6%			1.72	1433	0	835			
															—			—	(583)	0	835			

CITY OF PINOLE

Do not Hydro 4-5

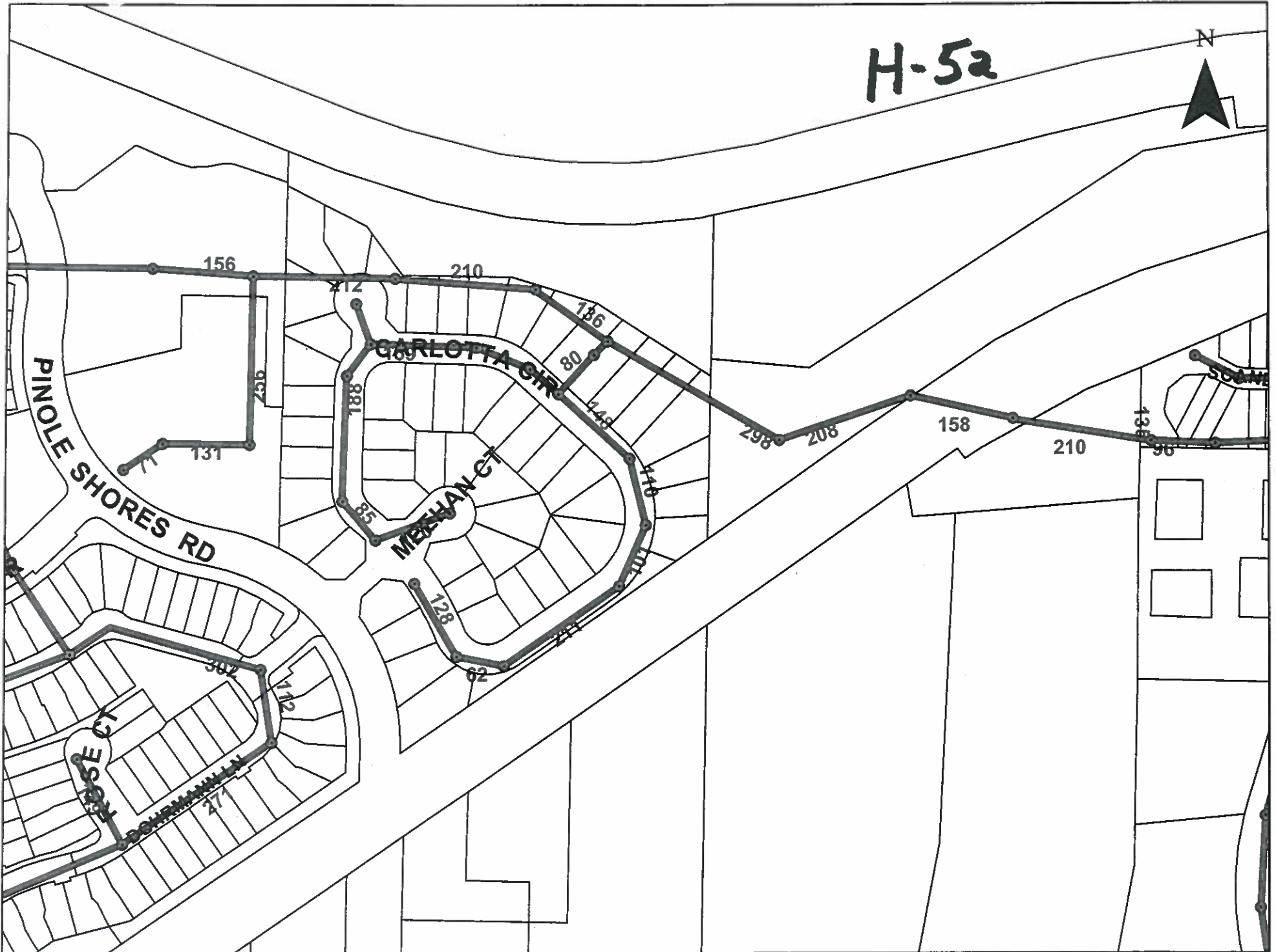


AREA MAP # SECTION 4

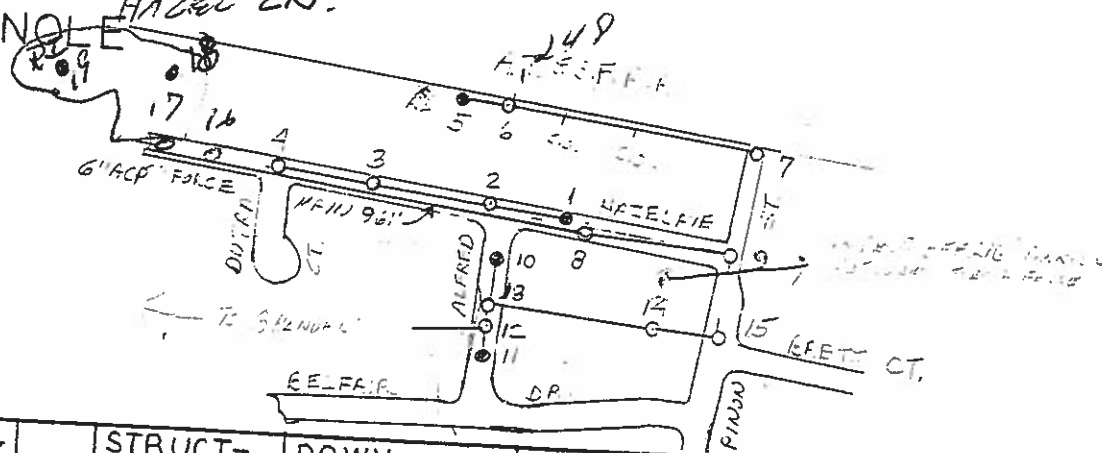
R.I. D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	116.4	207	1-2	6	VCP																		
2	115.2	143	2-3	6	VCP										0.6%			.44	367	0	0		
3	96.8	53	3-5	6	VCP										14%			1.12	933	8	8		
5	95.4	190	4-14	6	VCP										2.5%			.90	750	2	10		
RE 4	103.3	180	4-5	6	VCP										—	AT BAY VIEW FARM		—	(367)	0	10		
5	95.5	245	5-6	6	VCP										2%			.80	667	0	0		
6	86.7	330	6-7	6	VCP										3.5%	DANNY COURT	10	1.06	883	4	14		
7	73.1	307	7-8	6	VCP										4%			1.12	933	4	18		
8	56.2	70	8-9	6	VCP										5%			1.12	933	4	22		
9	54.4	—	—	6	VOP										2.5%			.90	750	6	28		
RE 10	103.0	191	10-11	6	VCP										—	AT PINON AVE.		—	(750)	0	28		
11	83.3	207	11-12	6	VCP										10%			1.12	933	0	0		
12	72.0	250	12-13	6	VCP										5.5%			1.12	933	8	8		
13	53.9	—	—	6	VCP										7%			1.12	933	5	13		
															—	AT PINON AVE.		—	(933)	4	17		

2373

H-5a



CITY OF PINO HAZEL LN.

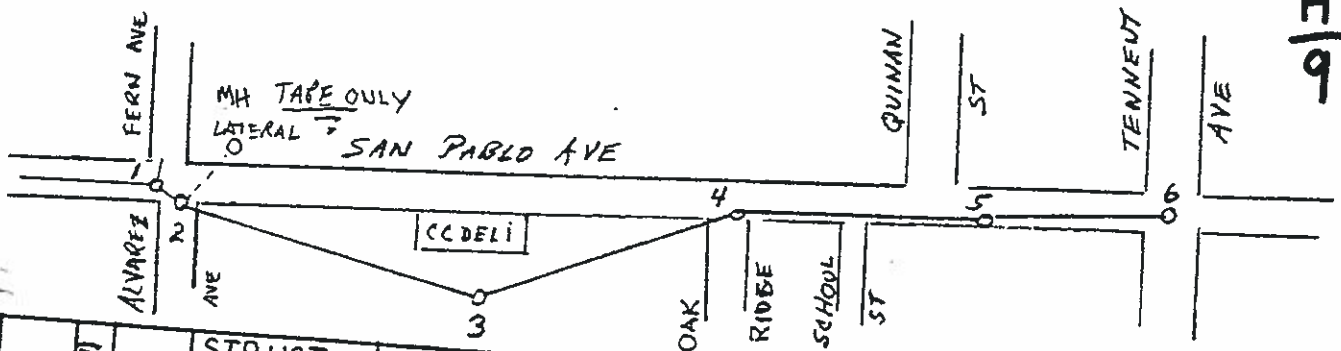


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AREA MAP 17
SECTION 7

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
						CASTINGS	CHANNELS	BOLTS, DIM	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
1	64.0	150	1-2	6	VCP			7.3																
2	50.3	233	2-3	6	"			7.9		PIH 71.3				9.5%										
3	37.0	190	3-4	6	"			6.7		" 54.2											0	0		
4	33.1	—	—	6	"					" 43.7											1	1		
5	?	80	5-6	4	"																2	7		
6	64.0	450	6-7	4	"			4.3													0	7		
7	47.4	—	—	4	"					PIH 62.3											0	0		
8	66.9	300	8-9	8	VCP			6.1													1	1		
9	64.2	—	—	8	VCP			13.4		PIH 72.0				1%	END OF 6" FORCE MAIN						7	8	REMARKS MAP SECTION B	
10	55.4	91	4-5	6	"					PIH 69.0														
13	54.7	—	—	6	"					PIH 61.4				2.3%										REMARKS MAP SECTION B OF SPHE.
11	72.9	45	11-12	6	VCP					PIH 51.5											0	0		
12	59.0	335	12-13	6	"					" 7.4											8	8		
13	54.7	313	13-14	6	"					PIH 63.7											0	0	REMARKS MAP SECTION B	
14	53.1	134	14-15	6	"					PIH 51.5											22	22	REMARKS MAP SECTION B	
15	52.5	—	—	6	VCP					PIH 45.0					ALFRED DR	R					0	30		
										" 6.3											0	30	REMARKS MAP SECTION B	
																					2	34		

CITY OF FINNELL

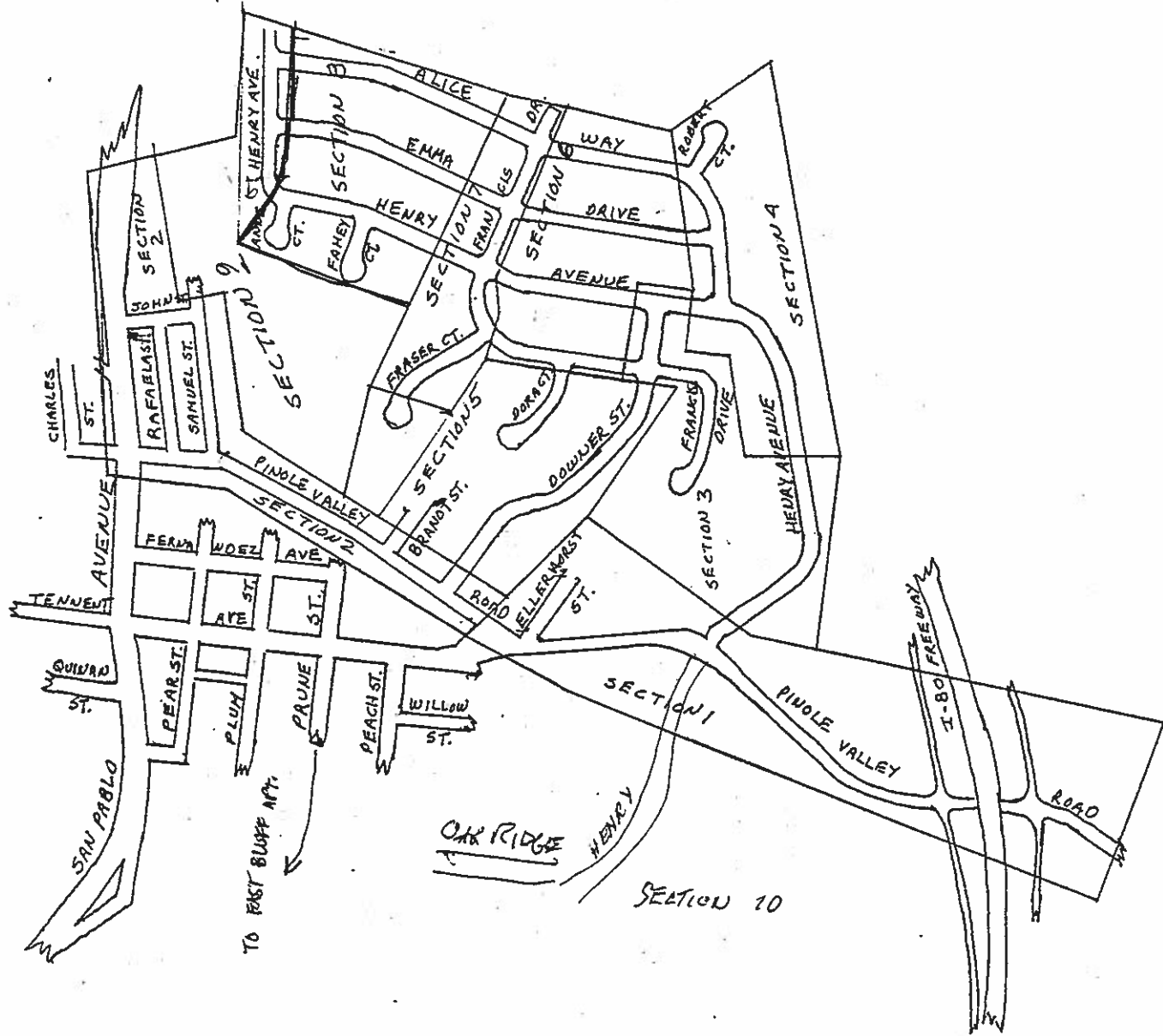


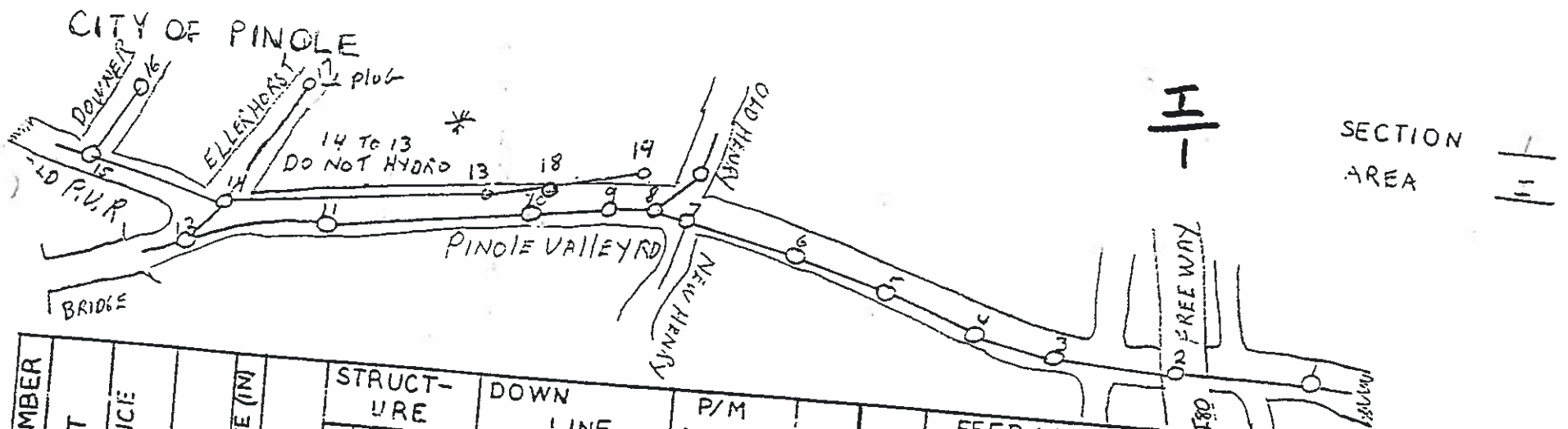
9/H

SECTION 9
AREA H

NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
		60	1-2	6																			
		352	2-3																				
		344	3-4																				
		352	4-5																				
		340	5-6																				
		1448																					

215647



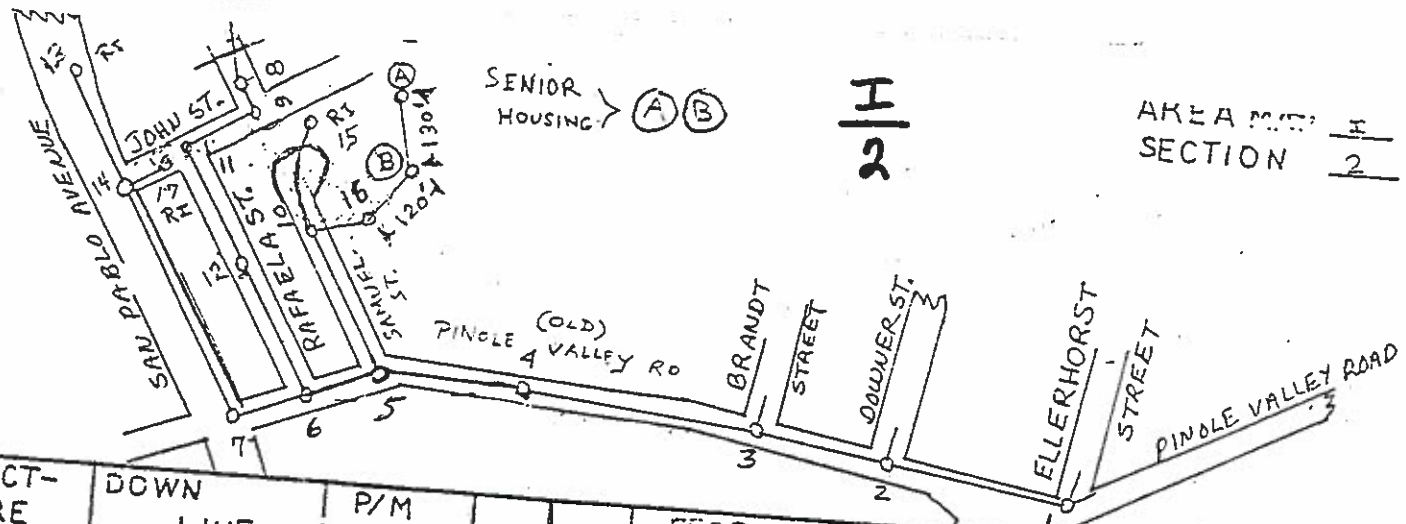


I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED	
417	1-2	15	RCP																
230	2-3	15	RCP																
230	3-4	15	RCP																
305	4-5	15	RCP																
253	5-6	15	RCP																
153	6-7	18	RCP																
43	7-8	18	RCP																
34	8-9	18	RCP																
132	9-10	18	RCP																
301	10-11	18	RCP																
268	11-12	18	RCP																
323	13-14	8	PVC	76	12-14														MH #14 RE-ROUTED TO TRUNK LINE MH #12.
361	14-15	8	PVC																MH #15 STILL CONNECTED TO
255	15-16	8	PVC	131															
300	14-17	8	PVC	275	18-19														
164	13-18	8	PVC																MH #14 AS OVERFLOW

18-19-127' PVC 3 Plastic (REPAIR)

CITY OF PINOLE

CITY OF PINOLE

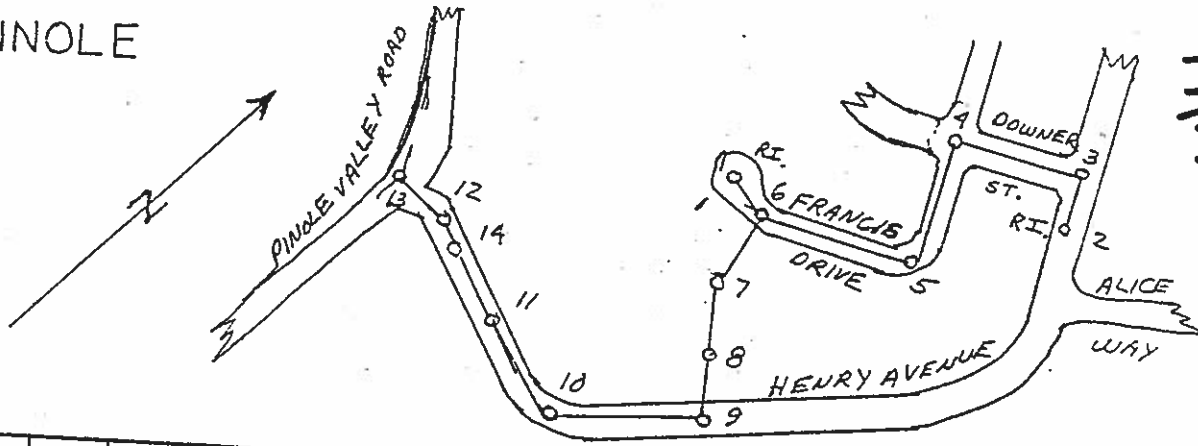


AREA MAP SECTION H / 2

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY C/F.T.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS		
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED							
1	21.8	361	1-2	8	PVC																				
2	21.0	264	2-3	8	PVC																				
3	18.1	453	3-4	8	PVC																				
4	17.0	299	4-5	8	PVC										0.2%	P.V.K. ELLERHORST ST.	6	.80	667	10	16				
5	16.0	139	5-6	8	PVC										1%	DOWNER ST.	36	.56	466	6	42				
6	14.8	140	6-7	8	PVC										0.25%	BRANDT ST.	107	.28	249	4	153				
7		55	10-16	8	VCP										0.35%			.34	293	8	161				
8	44.0	59	8-9	6	VCP										0.85%	SAMUEL ST.	15	.51	425	4	180				
9	39.9	147	9-11	6	VCP										0.9%	RAFAELA ST.	92	.52	433	2	294				
10	40.5	185	10-15	6	VCP										—	SAN PABLO AVE	16	—	(249)	2	292				
5	16.0	272	10-5	6	VCP										7%	FROM TRACT	70	—	933	0	70				
1	32.0	226	11-12	6	VCP										5.5%	SAMUEL ST.	3	1.12	933	0	78				
2	27.2	300	12-6	6	VCP										0.3%	AT JOHN ST.									
6		87	14-19	6	VCP										0.3%			.31	285	0	73				
3	34.0	179	13-14	6	VCP										2%	JOHN STREET		.80	667	5	78				
		490	14-7	6	VCP										4%			1.12	933	5	83				
															—	AT PINOLE VALLEY RD.		—	(285)	9	92				
															3%				97	009	0	0			

CITY OF PINOLE

CITY OF PINOLE



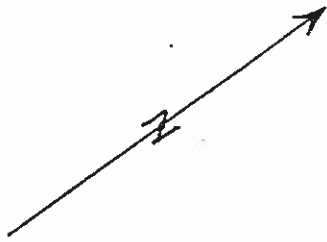
AREA MAP I
SECTION 3

2259

R.I. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY (CFT)	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	135.7	88	1-6	6	VCP																		
6	135.2	—	—	6	VCP									0.6%									
2	158.8	94	2-3	6	VCP									—		.44	367	0	0				
3	154.0	255	3-4	6	VCP									5%		—	(367)	8	8				
4	151.4	242	4-5	6	VCP									1%		1.12	933	0	0				
5	135.7	312	5-6	6	VCP									6.5%		.56	466	4	4				
6	135.2	147	6-7	6	VCP									0.15%		1.12	933	4	8				
7	106.6	133	7-8	6	VCP									19.5%		.22	184	8	16				
8	99.4	142	8-9	6	VCP									5.5%		1.12	933	9	33				
9	98.4	289	9-10	6	VCP									0.7%		1.12	933	0	33				
10	55.1	216	10-11	6	VCP									15%	AT HENRY AVE	.47	392	0	33				
11	40.6	171	11-14	6	VCP									2%		1.12	933	5	73				
12	26.1	125	12-13	6	VCP									6.5%		.80	667	4	77				
13	23.3	—	—	6	VCP									2%		1.12	933	4	81				
45	—	—	12-14	6	VCP									—	AT PINOLE VALLEY RD.	.80	667	2	83				
														—		—	(184)	1	84				

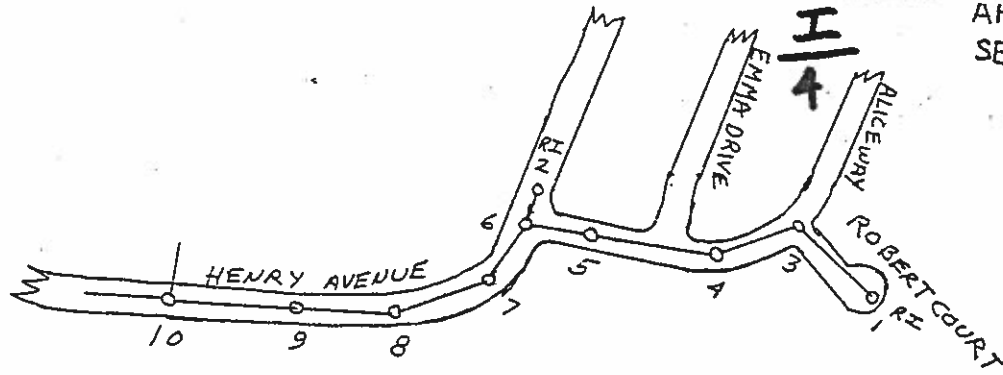
2259

CITY OF PINOLE



CITY OF PINOLE

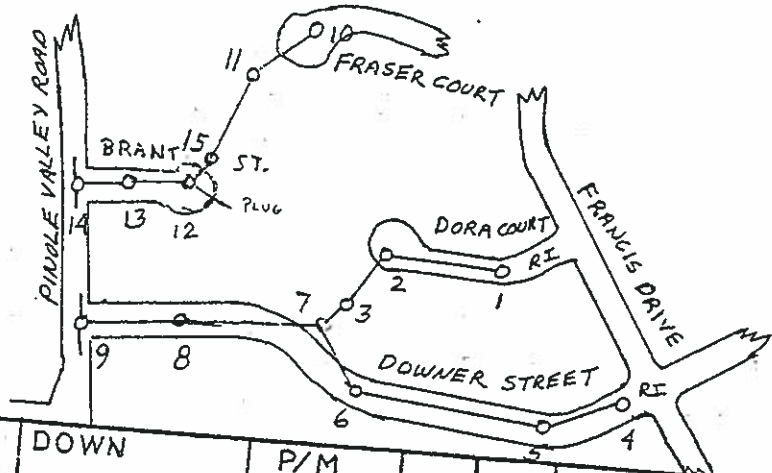
AREA MAP $\frac{1}{4}$
SECTION $\frac{1}{4}$



M.I. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K. NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
	170.0	185	1-3	6	VCP																		
	169.1	—	—	6	VCP																		
	169.0	184	3-4	6	VCP									0.5%				.40	333	0	0		
	168.2	246	4-5	6	VCP									0.5%	AT ALICE WAY			(333)	7	7			
	167.0	130	5-6	6	VCP									0.5%	ROBERT COURT	7	.40	333	0	7			
	161.8	—	—	6	VCP									0.5%			.40	333	5	12			
	163.0	47	2-6	6	VCP									4%			1.12	933	8	20			
	161.8	172	6-7	6	VCP									—	AT HENRY AVE			(333)	2	22			
	149.6	196	7-8	6	VCP									2.5%			.90	750	0	0			
	144.0	184	8-9	6	VCP									7%	ALICE WAY	22	1.12	933	3	25			
	34.4	250	9-10	6	VCP									3%			.97	808	3	28			
	28.4	—	—	6	VCP									5%			1.12	933	3	31			
														14.5%			1.12	933	4	35			
	1574													—			(808)	0	35				

CITY OF PINOLE

CITY OF PINOLE



1/5

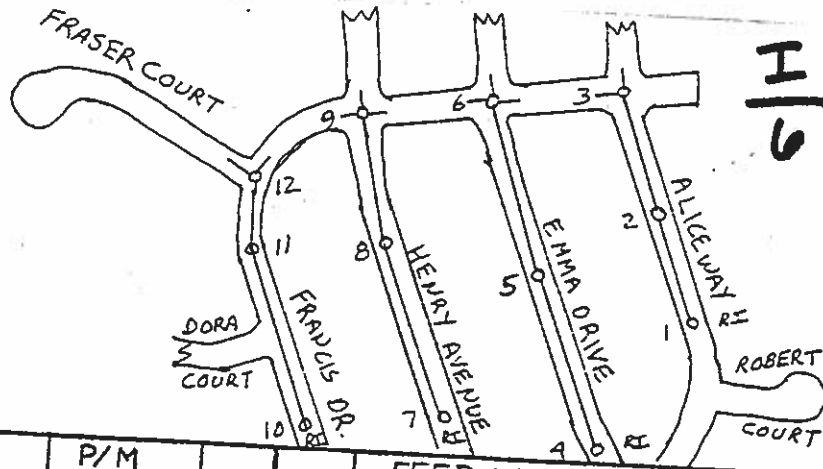
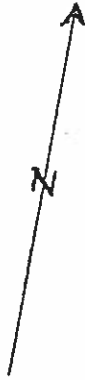
AREA MAP I
SECTION 5

2335

R.I. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS		
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED	
1	135.6	233	1-2	6	AC																				
2	117.0	122	2-3	6	AC																				
3	107.6	94	3-7	6	CIP																				
7	49.0			6	CIP																				
RI 4	138.0	150	4-5	6	AC																				
5	116.3	360	5-6	6	AC																				
6	63.9	120	6-7	6	AC																				
7	49.0	228	7-8	6	AC																				
8	21.3	200	8-9	6	AC																				
9	21.0	200	11-15	6	AC																				
10	115.3	185	10-11	6	AC																				
11	109.6	177	11-12	6	AC																				
12	39.5	102	12-13	6	AC																				
13	27.0	112	13-14	6	AC																				
14	18.1	36	15-12	6	AC																				

2319

CITY OF PINOLE



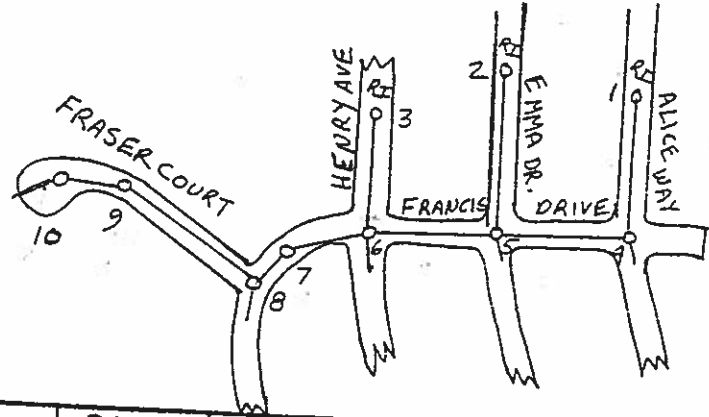
AREA MAP 7
SECTION 6

P.I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	169.0	217	1-2	6	VCP																		
2	157.1	240	2-3	6	VCP										5.5%								
3	150.5	—	—	6	VCP										3%			1.12	933	0	0		
RI 4	159.9	340	4-5	6	VCP										—	AT FRANCIS DRIVE		.97	808	8	8		
5	146.3	339	5-6	6	VCP										4%			—	(808)	6	14		
6	136.1	—	—	6	VCP										3%			1.12	933	0	0		
RI 7	247.9	350	7-8	6	VCP										—	AT FRANCIS DRIVE		.97	808	7	7		
8	233.9	236	8-9	6	VCP										4%			—	(808)	12	19		
9	126.1	—	—	6	VCP										45%			1.12	933	0	0		
RI 10	152.3	350	10-11	6	VCP										—	AT FRANCIS AVE.		1.12	933	10	10		
11	132.5	136	11-12	6	VCP										5.5%			—	(933)	10	20		
12	124.4	—	—	6	VCP										6%			1.12	(933)	0	0		
															—	AT DORA COURT		1.12	(933)	10	10		
	2200																	—	(933)	8	18		

CITY OF PINOLE

CITY OF PINOLE

AREA MAP I
SECTION 7

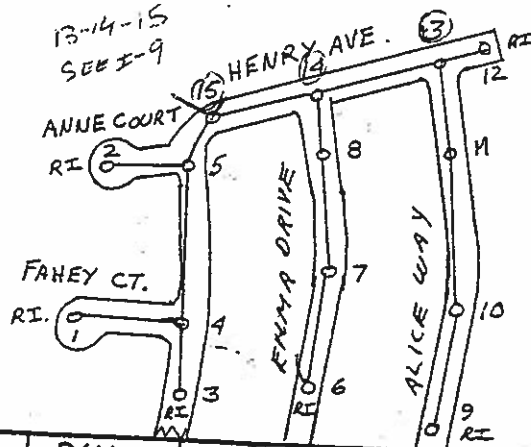


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I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
1	154.0	271	1-4	6	VCP																			
4	150.5	—	—	6	VCP									1%										
2	145.6	310	2-5	6	VCP									—	AT FRANCIS DRIVE		.56	466	0	0				
5	136.1	—	—	6	VCP									3%			—	(466)	12	12				
3	133.8	202	3-6	6	VCP									—			.97	808	0	0				
6	126.1	—	—	6	VCP									4%			—	(808)	9	9				
4	150.5	238	4-5	6	VCP									—			1.12	933	0	0				
5	136.1	255	5-6	6	VCP									6%	ALICE WAY	26	—	(933)	8	8				
6	126.1	160	6-7	6	VCP									4%	EMMA DRIVE	28	1.12	933	0	26				
7	125.4	130	7-8	6	VCP									0.45%	HENRY AVE	28	.38	316	0	82				
9	124.4	320	8-9	6	VCP									0.8%			1.50	316	2	84				
1	115.3	118	9-10	6	VCP									1.5%	AT FRASER CT.		.70	583	2	86				
2	145.3	—	—	6	VCP									3.5%			1.06	883	4	90				
	2004													—			—	(316)	9	99				

CITY OF PINOLE

CITY OF PINOLE



I
8

AREA MAP 1
SECTION 8

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
RT 7	127.5	207	1-4	6	VCP																			
4	126.4	—	—	6	VCP									0.5%										
RT 2	114.1	155	2-5	6	VCP									—			0.5%	.40	333	0	0			
5	113.3	—	—	6	VCP									0.5%			—	(333)	10	10				
RT 3	130.2	124	3-4	6	VCP									—			—	(333)	0	0				
4	126.4	290	4-5	6	VCP									3%			—	(333)	6	6				
5	113.3	81	5-15	6	VCP									4.5%	FAHEY COURT	10	.97	808	0	0				
15	166.8	—	—	6	VCP									8%	ANNE COURT	6	1.12	933	10	20				
RT 6	137.1	229	6-7	6	VCP									—			—	(808)	0	26				
7	136.7	218	7-8	6	VCP									0.15%			—	(808)	0	26				
8	107.5	105	8-14	6	VCP									13.5%			.22	184	0	0				
14	107.0	—	—	6	VCP									0.5			1.12	933	5	5				
9	152.2	235	9-10	6	VCP									—			.40	(333)	4	9				
0	142.8	298	10-11	6	VCP									4%			—	(184)	6	15				
1	122.5	175	11-12	6	VCP									7%			1.12	933	0	0				
2	112.6	—	—	6	VCP									5.5%			1.12	933	8	8				
														—			—	(933)	4	14				

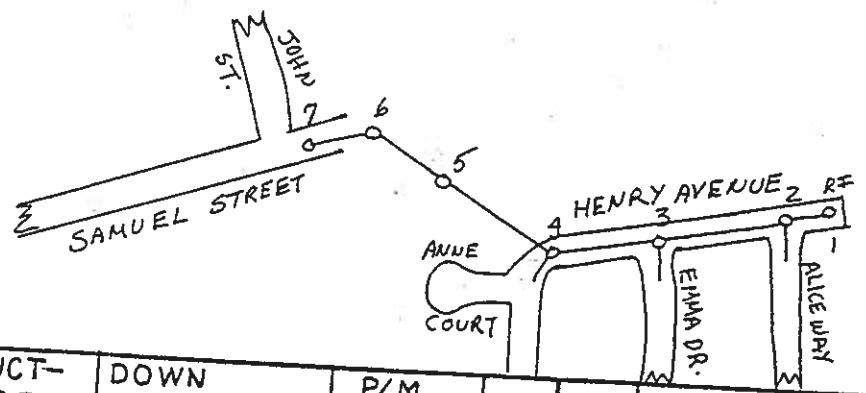
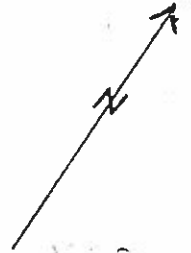
2117

CITY OF PINOLE

CITY OF PINOLE

AREA MAP 4
SECTION 9

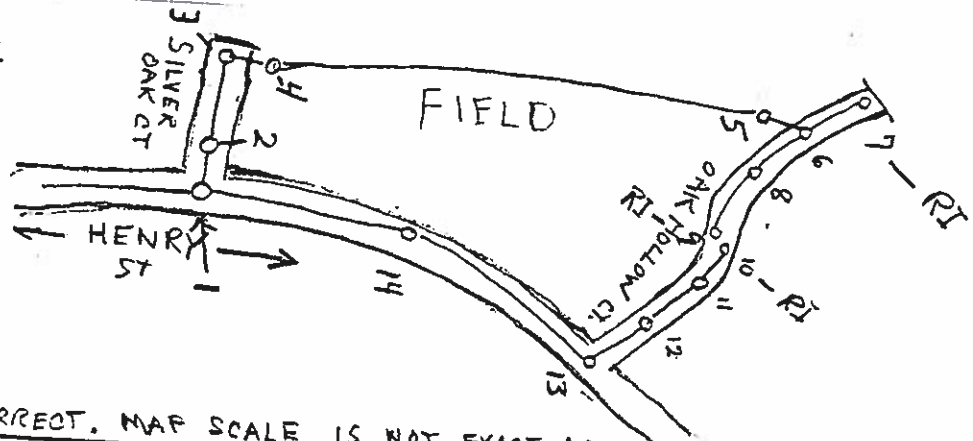
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9



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE					DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.	NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED					
1	115.7	88	1-2	6	VCP																			
2	112.6	240	2-3	6	VCP										3.5%									
3	107.0	200	3-4	6	VCP										2.5%									
4	106.8	233	4-5	6	VCP										0.1%	EMMA DRIVE	15	.18	150	6	42			
5	98.8	165	5-6	6	VCP										3.5%	HENRY AVE	26	1.06	883	2	70			
6	81.0	129	6-7	6	VCP										11%			1.12	983	0	70			
7	44.0	—	—	6	VCP										26%			1.12	933	0	70			
	1055														—	ON SAMUEL ST.		—	(150)	0	70			

CITY OF PINOLE

CITY OF PINOLE



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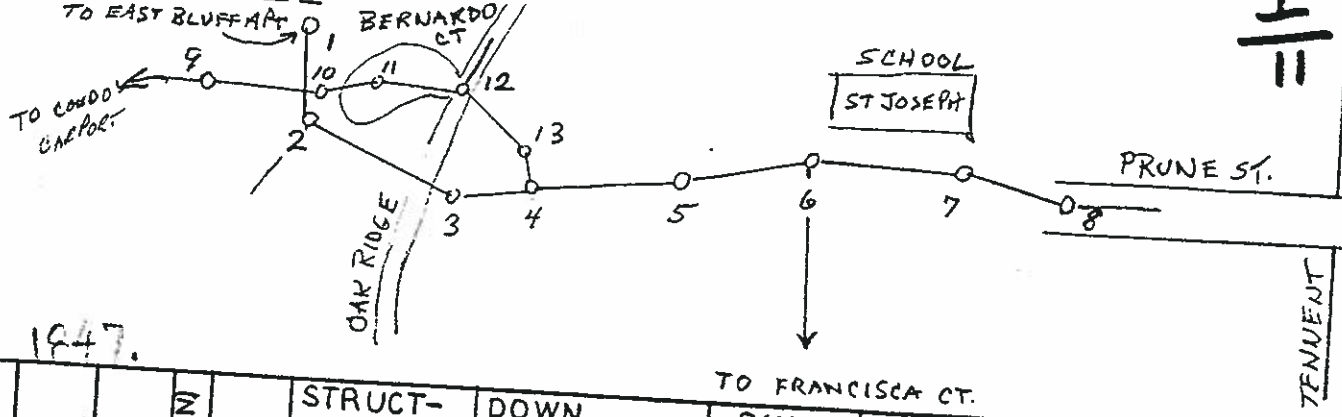
SECTION 10
I

MEASUREMENTS ARE CORRECT. MAP SCALE IS NOT EXACT AS IT IS HAND DRAWN

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCK SAW (FT)			MACHINE (FT)	OTHER					
		30	1-2																				
		157	2-3																				
		17	3-4																				
		170	4-5																				
		52	5-6																				
		90	6-7	RI																			
		68	6-8																				
		190	8-9	RI																			
		78	10-11	RI																			
		77	11-12																				
		90	12-13																				
		131	13-14																				
		140	14-1																				
		1290																					

DISTANCE PACEV OFF

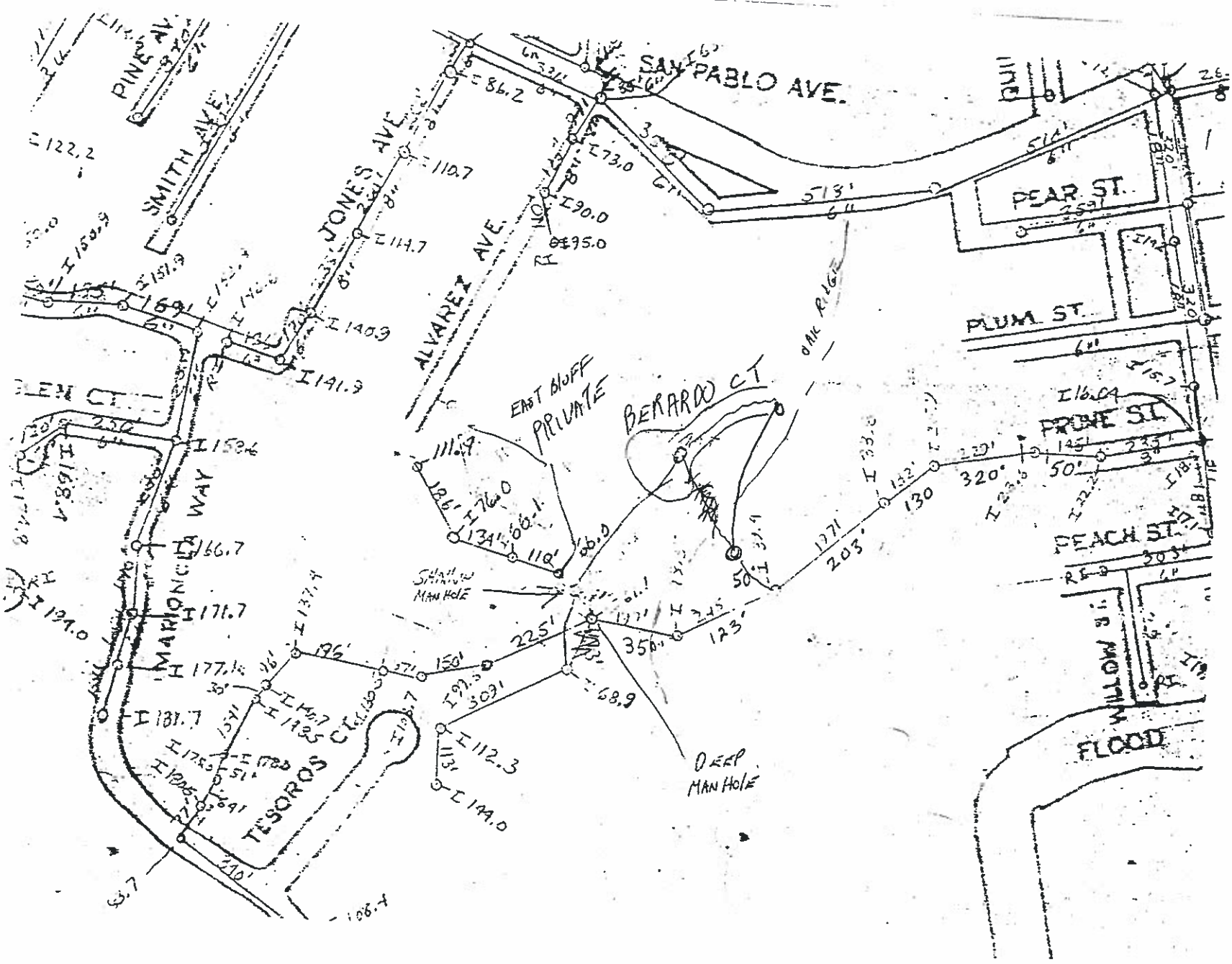
CITY OF PINOLE



SECTION II
AREA I

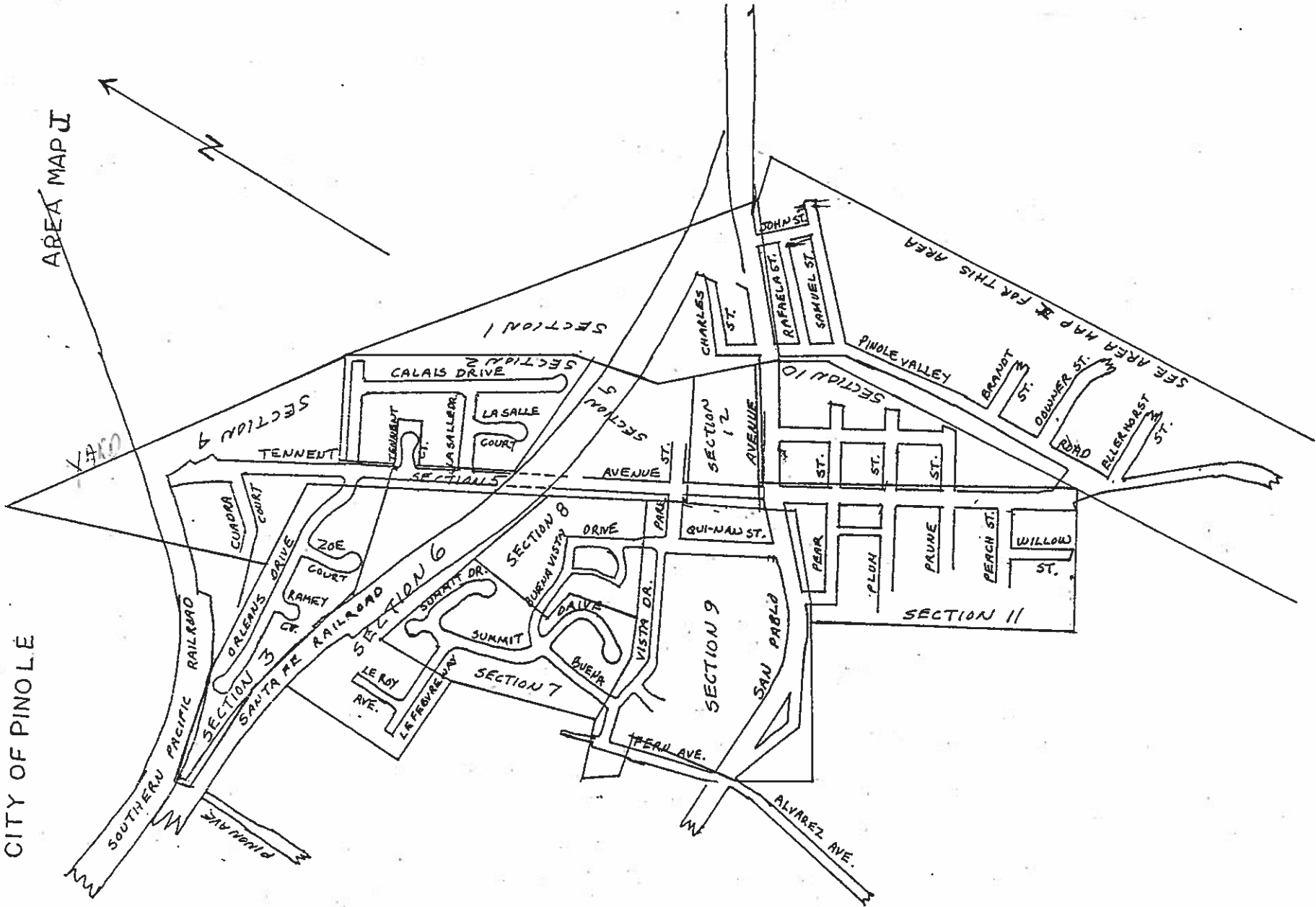
1947.

INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
					CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
	153	1-2																					
	350	2-3																					
	123	3-4																					
	203	4-5																					
	130	5-6																					
	320	6-7																					
	50	7-8																					
	75	9-10																					
	130	10-11																					
	163	11-12																					
	100	12-13																					
	50	13-4																					
1947																							



CITY OF PINOLE

AREA MAP I



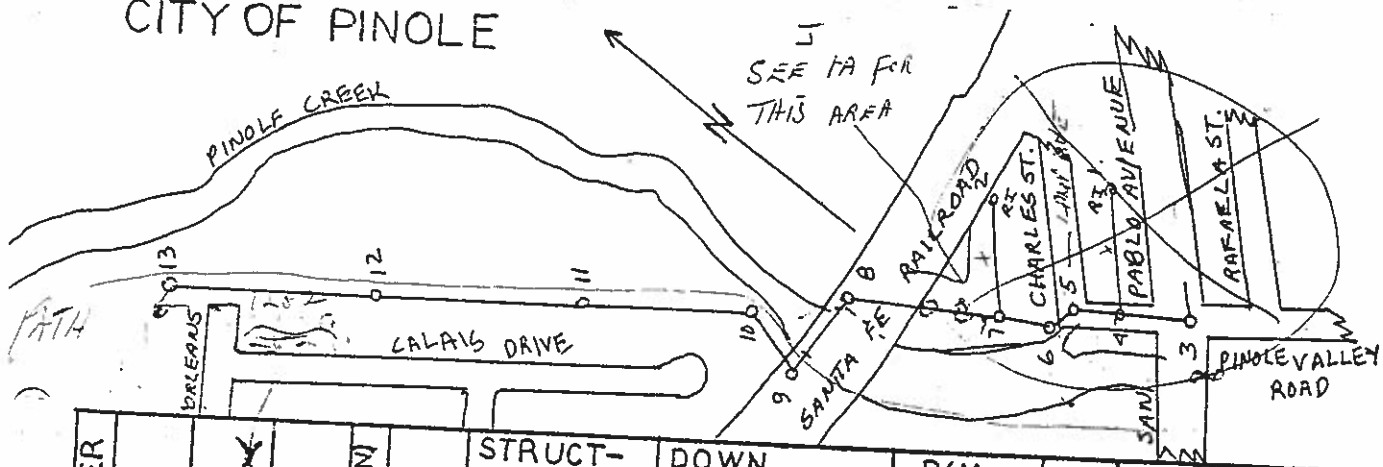
CITY OF PINOLE

CITY OF PINOLE

CITY OF PINOLE

AREA MAP SECTION 1

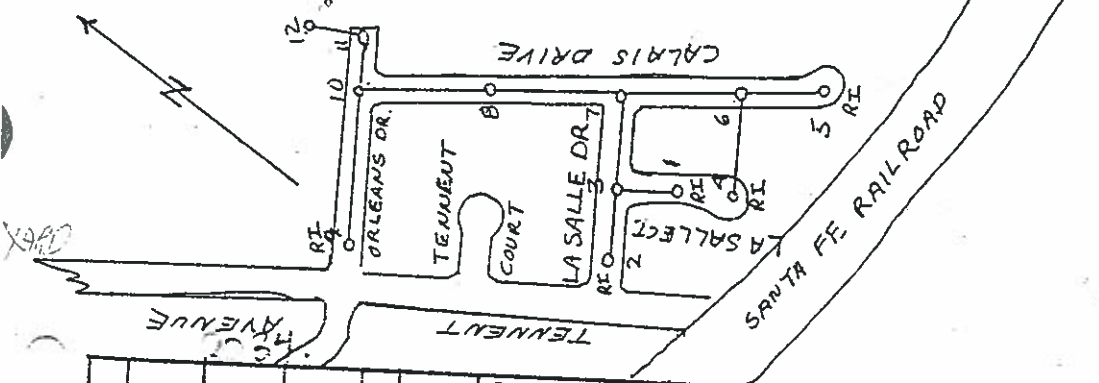
-14-



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	15.2	253	1-4	6	VCP																		
4	12.7	—	—	6	VCP									1.9%									
2	15.5	350	2-7	6	VCP									—	AT VALLEY AVENUE		.25	214	0	0			
7	12.0	—	—	6	VCP									1.9%			.25	214	0	0			
3	13.6	130	3-4	8	VCP									—	AT FLOOD CONTROL RD		—	(214)	8	8			
4	12.7	90	4-5	8	VCP					104' Sect				0.4%	PINOLE VALLEY	292	.78	650	0	292			
5	12.5	50	5-6	8	VCP									0.4%	4" LATERAL	8	.78	650	1	301			
6	12.2	100	6-7	8	VCP									0.6%	SIA		.93	775	1	302			
7	12.0	300	7-8	8	VCP									0.2%			.54	450	1	303			
8	10.8	104	8-9	8	VCP									0.4%	CHARLES ST.	8	.78	650	0	311			
9	7.8	125	9-10	8	VCP									3%	4&8" SYPHON		2.14	1783	0	311			
10	7.7	327	10-11	8	VCP									0.8%	W/E SANTA FE BRIDGE		1.08	900	0	311			
11	6.2	400	11-12	8	VCP									0.5%			.85	708	0	311			
12	4.0	400	12-13	8	VCP									0.6%			.93	775	0	311			
13	2.2	—	—	8	VCP									0.5%			.85	708	0	311			
														—			—	(450)	0	311			

4/2

CITY OF PINOLE



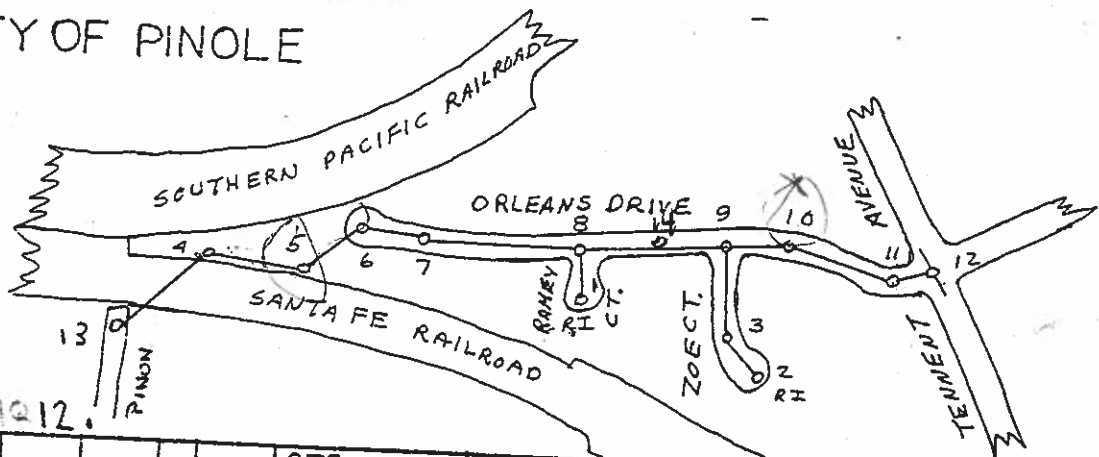
I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BURST MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
RI 1		114	1-8	6	VCP																			
RI 2		135	2-3	6	VCP											AT LASALLE DR.					0	0		
3		182	3-7	6	VCP																4	4		
RI 4		181	4-6	6	VCP											LASALLE COURT	4				3	7		
6				6	VCP											AT CALAIS DR.					3	10		
RI 5		160	5-6	6	VCP											AT CALAIS DR.					0	0		
6		235	6-7	6	VCP																4	4		
7		250	7-8	6	VCP																0	0		
8		250	8-10	6	VCP											LASALLE CT.	4				9	13		
10				6	VCP											LA SALLE DRIVE	10				6	29		
RI 9		290	9-10	6	VCP											AT ORLEANS DR.					9	38		
10		122	10-11	6	VCP																4	42		
11		115	11-12	6	VGP																0	0		
12.1				6	VGP											CALAIS DRIVE	42				12	54		
																					2	56		
																					0	56		

2034

CITY OF PINOLE

CITY OF PINOLE

AREA MAP J
SECTION 3



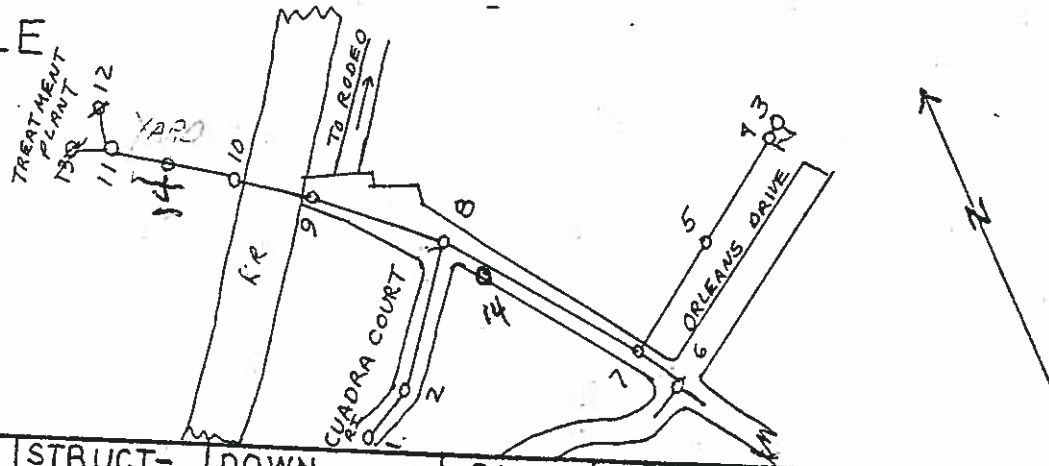
R.I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY QFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET					
1	57.0	97	1-8	6	VCP																		
2	44.6	—	—	6	VCP									13%			1.12	933	0	0			
3	61.0	97	2-3	6	VCP									—	AT ORLEANS DRIVE		—	(933)	4	4			
4	57.4	180	3-9	6	VCP									4%			1.12	933	0	0			
5	44.5	—	—	6	VCP									7%			1.12	933	6	6			
6	46.8	175	4-5	12	VCP									—	AT ORLEANS DR.		—	(933)	6	12			
7	46.3	129	5-6	12	VCP					15"				0.3%		835	1.95	1625	0	835			
8	45.9	127	6-7	12	VCP					15"				0.35%			2.10	1750	0	835			
9	45.5	300	7-8	12	VCP					15"				0.3%			1.95	1625	0	835			
10	44.6	272	8-9	12	VCP					15"				0.3%			1.95	1625	4	839			
11	43.8	140	9-10	12	VCP					12"				0.3%	RAMEY COURT	4	1.95	1625	9	852			
12	34.2	210	10-11	10	VCP					10"				7%	ZOE COURT	12	7.06	5883	5	869			
13	8.9	85	11-12	10	VCP					10"				12.5%			7.06	5883	2	871			
	1.6	—	—	12	VCP									8.5%			7.06	5883	2	873			
	218	4-13	12											—	AT TENNENT AVE.		—	(1625)	0	873			

CITY OF PINOLE

CITY OF PINOLE

AREA MAP 3
SECTION 4

J
4



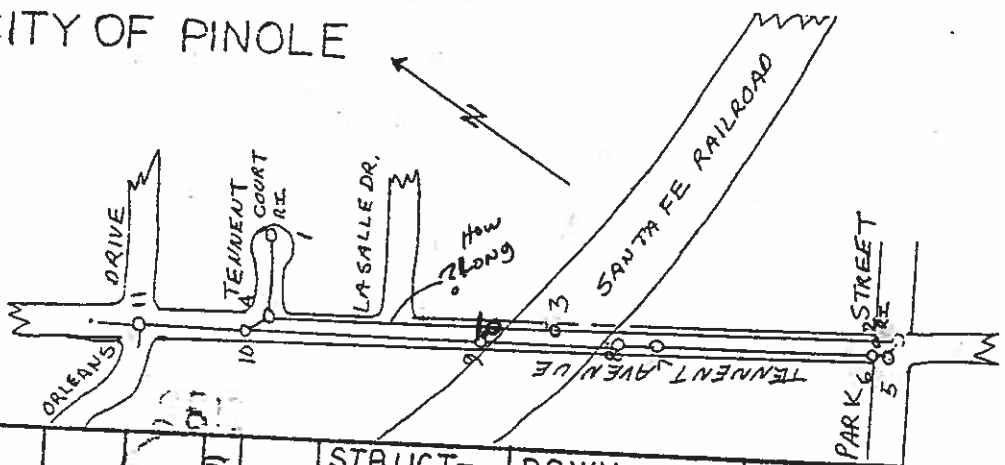
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I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
1		105	1-2	6	VCP																			
2		208	2-8	6	VCP																			
8	-0.8	—	—	6	VCP																0	0		
3	2.2	10	3-4	12	RCP										—	AT TENNENT AVE					3	3		
4	2.1	260	4-5	12	RCP									1.9%			311	3.56	2967		0	311		
5	1.1	243	5-7	12	RCP									0.9%	ORLEANS DR.		56	2.25	1875		0	367		
7	-0.5	—	—	12	RCP									0.25%				1.78	1483		0	367		
6	0.1	122	6-7	24	RCP									—	AT TENNENT AVE				(1483)		0	367		
7	-0.5	404	7-8	30	RCP									0.9%	ORLEANS DRIVE		873	0			3070	3883		
8	-0.8	380	8-9	30	RCP									0.1%	12" LATERAL		311				0	4194		
9	-1.5	125	9-10	30	RCP									0.2%	QUADRA COURT		3				7	5001		
10	-1.6	250	10-11	30	RCP									0.1%								5001		
#	-1.8	—	—	30	RCP									0.1%								5001		
														—	AT TREATMENT PL.							5001		

CITY OF PINOLE

AREA MAP 5
SECTION 5

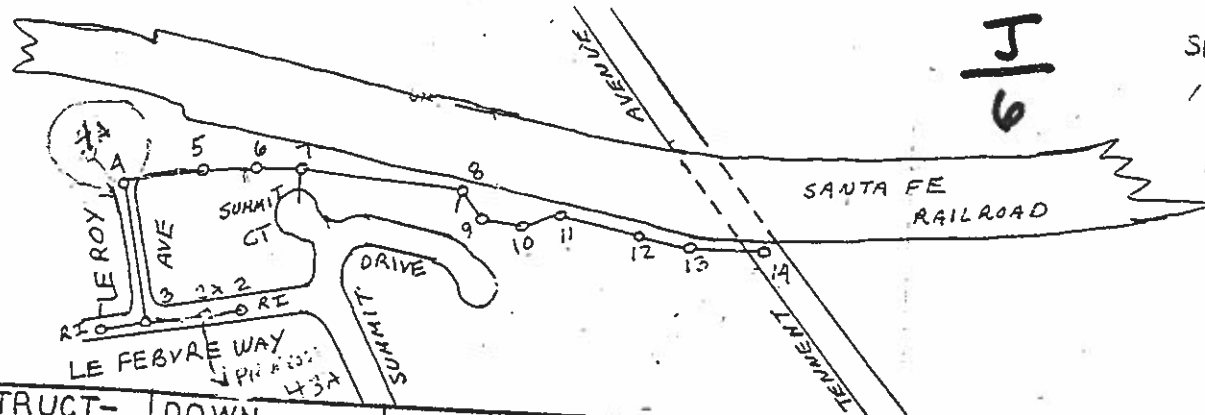
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I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
RI 1		160	1-4	6	VCP																			
4				6	VCP																			
RF 2	13.2	642	2-3	8	VCP										—	ATTENMENTAVE.					0	0		
3		580	3-4	8	VCP																0	0		
4		25	4-10	8	VCP																0	0		
10				8	VCP																0	0		
5	10.4	62	5-6	18	RCP																1	9		
6	9.3	416	6-7	18	RCP										2%	PARK ST.	2105	14.18	11,817	2897	2952			
7	5.3	70	7-8	18	RCP										1%			10.18	8483	0	2952			
8	4.6	275	8-9	18	RCP										1%			10.18	8483	8	2960			
9	3.5	460	9-10	18	RCP										0.4%	SUMMIT DRIVE	31	6.77	5642	0	2991			
10	1.2	122	10-11	18	RCP										0.5%			7.36	6133	0	2991			
11	0.1			18	RCP										0.9%	TENNENT CT.	9	10.00	8333	7	3007			
																			(5642)	3	3010			

CITY OF PINOLE

CITY OF PINOLE



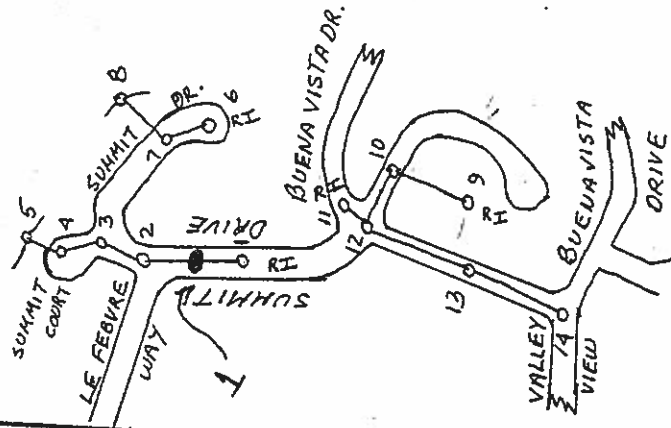
SECTION 6
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I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUDGET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED
1	79.0	95	1-3	6	VCP																			
3	70.0	88	4-4	6	VCP										9.5%									
2	72.0	68	2-3	6	VCP													1.12	933	0	0			
3	70.0	72	2-2	6	VCP										1%		AT LE ROY AVE.			(933)	2	2		
3	70.0	268	3-4	6	VCP												AT LE ROY AVE		.56	466	0	0		
4	62.0	160	4-5	6	VCP										5%		AT LE ROY AVE			(466)	5	5		
5	61.3	100	5-6	6	VCP										0.5%		LE FEBVRE WAY	7	1.12	933	0	7		
6	60.2	80	6-7	6	VCP										1%				.40	333	9	16		
7	59.9	401	7-8	6	VCP										0.35%				.56	466	0	16		
8	57.9	85	8-9	6	VCP										0.5%		SUMMIT COURT	7	.40	333	0	23		
9	43.5	80	9-10	6	VCP										1%		SUMMIT DRIVE	8	1.12	933	0	31		
10	43.0	60	10-11	6	VCP										0.6%				.44	367	0	31		
11	39.1	166	11-12	6	VCP										6.5%				1.12	933	0	31		
12	32.8	107	12-13	6	VCP										4%				1.12	933	0	31		
13	10.7	86	13-14	6	VCP										20%				1.12	933	0	31		
14	4.6			6	VCP										7%				1.12	933	0	31		
																	AT TENNET AVE			(293)	0	31		

1916

CITY OF PINOLE

CITY OF PINOLE



1/4

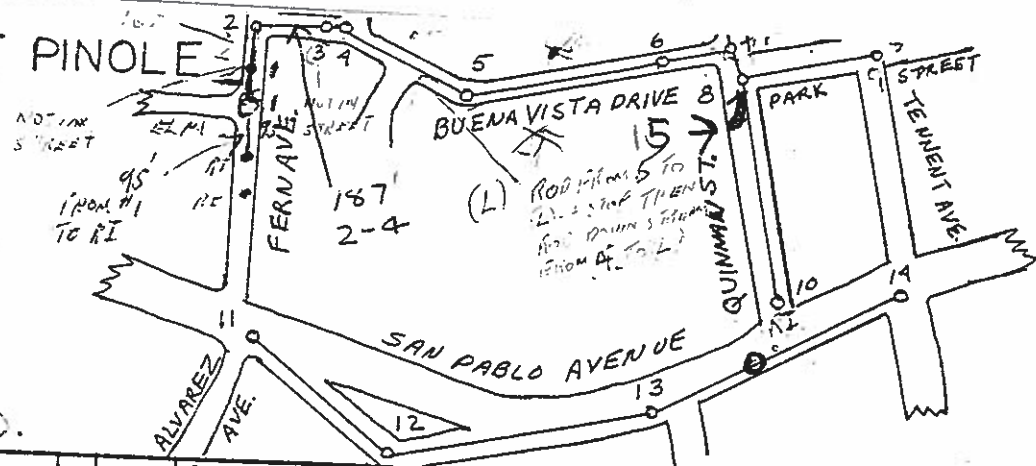
AREA MAP 5
SECTION 7

10-15 13-14 12-13
10-12 11-12

124

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE					DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS	
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.	NEEDS WORK		INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)	OTHER			NAME OF STREET	UNITS SERVED						
1	85.2	179	1-2	6	VCP																				
2	77.1	83	2-3	6	VCP											4.5%			1.12	933	0	0			
3	74.1	70	3-4	6	VCP											3.5%			1.06	883	5	5			
4	71.0	70	4-5	6	VCP											4.5%			1.12	933	2	7			
5	59.9	—	—	6	VCP											16%			1.12	933	0	7			
6	83.0	75	6-7	6	VCP											—	AT REAR LOT LINE		(883)	0	7				
7	80.4	140	7-8	6	VCP											3.5%			1.06	883	0	0			
8	57.9	—	—	6	VCP											23%			1.12	933	8	8			
9	—	145	9-10	6	VCP											—	AT REAR LINE		(933)	0	8				
10	—	115	10-12	6	VCP											—					0	0			
12	—	—	—	6	VCP											—					0	0			
11	—	45	11-12	6	VCP											—					8	8			
12	—	210	12-13	6	VCP											—	AT BUENA VISTA DR.				2	10			
13	—	210	13-14	6	VCP											—	SUMMIT DRIVE				0	0			
14	—	—	—	6	VCP											—					6	6			
																					6	12			

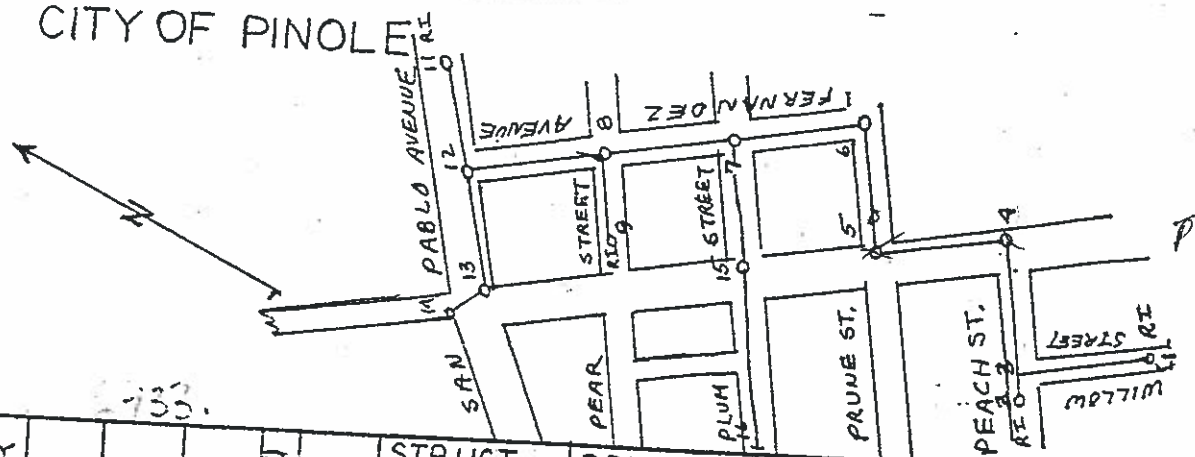
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AREA MAP 5
SECTION 9

8-9	5-6
8-10	6-7
8-10	7-9
8-10	7-9
8-10	2-3
8-10	4-5
7-8-9	8-10
4-6	6-7-5-6-3-4-2-3

I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS		
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED	
1			1-2	6	VCP																				
2	2.64	155	2-3	6	VCP																				
3	1.87	40	3-4	6	VCP																	0	0		
4	2.72	266	4-5	6	VCP																	9	9		
5		381	5-6	6	VCP																	0	9		
6		113	6-7	6	VCP																	2	23		
7		93	7-8	6	VCP																	3	26		
8		243	8-9	6	VCP																	4	30		
9	13.5	—	—	6	VCP																	7	56		
10		430	10-8	6	VCP																	0	73		
8		—	—	6	VCP																	5	78		
11	65.0	350	11-12	6	VCP																	0	0		
12		518	12-13	6	VCP																	17	17		
13		516	13-14	6	VCP																	0	82		
14		—	—	6	VCP																	4	86		
																						7	93		
																						12	105		

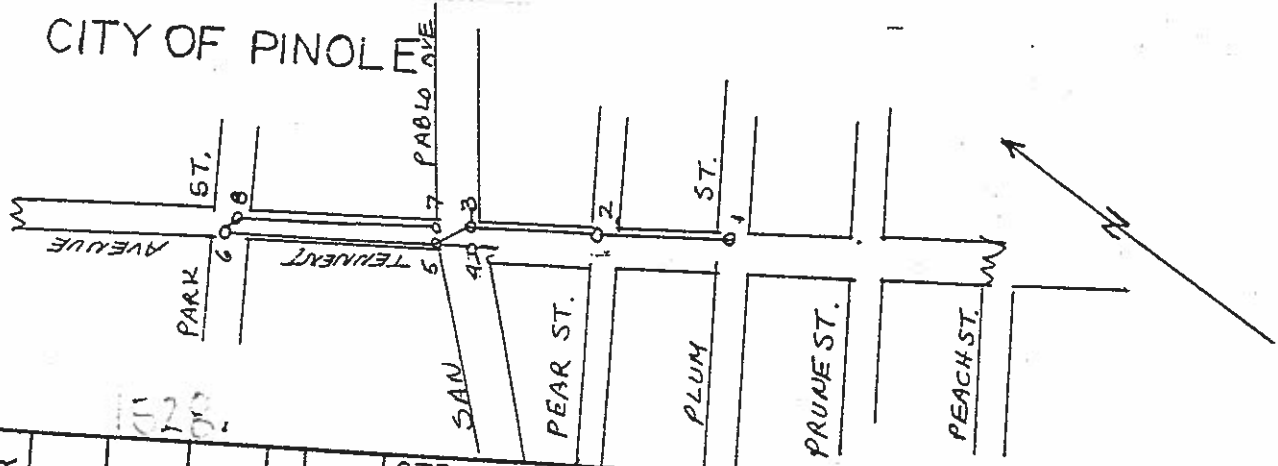


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7-15 LINED
 7-6
 6-5 2003
 5-4
 4-3 15-16
 3-2
 2-1
 7-8
 8-9 NEW
 8-12 LINE
 12-1 1995
 12-13

R.I. NUMBER	I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVICED	REMARKS		
							CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT SAW (FT)	BUCKET MACHINE (FT)			OTHER	NAME OF STREET						UNITS SERVED	
3	274	1-3	6	VCP																						
3	60	2-3	6	VCP																						
4	253	3-4	6	VCP													WILLOW ST.			12	12	12				
5	262	4-5	8	VCP													WILLOW ST.		12	4	4	16				
6	267	5-6	6	VCP													PEACH ST.				3	19				
7	260	6-7	6	VCP																	6	25				
8	254	7-8	6	VCP																	8	33				
12	263	8-12	6	VCP													PLUM				3	36				
9	228	9-8	6	VCP													PEAR ST.		3		7	46				
8			6	VCP																	4	50				
11		11-12	6	VCP																	0	0				
12	262	12-13	8	VCP																	3	3				
13	50	13-14	10	VCP													FERNANDEZ AVE.		50		7	57				
14			10	VCP													AT FERNANDEZ AVE.				12	69				
																					0	69				

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12



I.D. NUMBER	INVERT	DISTANCE (FT)	FROM TO	PIPE SIZE (IN)	TYPE OF PIPE	STRUCTURE				DOWN LINE CONDITION (FILL IN)	P/M ACTION				DATE	GRADE	FEED IN LINE		LINE CAPACITY CFT.	LINE UNIT CAPACITY	UNITS SERVICED	ACCUM. UNIT SERVED	REMARKS
						CASTINGS	CHANNELS	BOLTS	GRADE O.K.		NEEDS WORK	INSPECTION	ROOT	BUCKET SAW (FT)			MACHINE (FT)	OTHER					
1		259	1-2	6	VCP																		
2		263	2-3	6	VCP																		
3		50	3-5	6	VCP																		
5		—	—	10	VCP																		
4	12.3	62	4-5	18	RCP																		
5	11.9	424	5-6	18	RCP																		
6	10.4	—	—	18	RCP									0.6%	SAN PABLO AVE	185	8.08	6733	2647	2822			
7		450	7-8	8	RCP									0.35%		19	6.44	5367	2801	2891			
8		25	8-6	8	VCP											6	—	(5367)	0	2847			
6		—	—	8	VCP															0	0		
																					6	6	
																						0	6

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