2

City Park Contours

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City Hall, San Diego, Cal.

156

400

LEVEL

F.B. 156

156

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes	Lks.	Minutes	Lks.	Minutes	Lks.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

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TABLE FOR RUNNING ON SLOPES.

MICROFILMED

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

DEC 7 1964

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

156 No 2
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Contour Survey City Park

Alverson
McLaren
Anguisola
Luce

Contour Survey City Park

2/7/03 Alverson
McLaren 2 P.M.
Anginsola
Luce

From pt. on 8th St range line 370 ft north of J.O turn angle 12°30' left. (or N. 12°30' W.) and measure 67 ft.

△ this Pt.

→ N. 12°30' W. produced 270 ft. Contour.

1°55'	86°07' L	1.41	.41	✓
1°55'	80°42' L	1.60	.60	✓
1°45'	76°35' L	1.69	.69	✓
2°00'	72°55' L	1.80	.80	✓
2°00'	70°00' L	1.69	.69	✓
2°10'	66°40' L	1.55	.55	✓
2°05'	65°55' L	1.43	.43	✓

Vertical Horiz Rod

2°00'	61°45'L	1.35	135	✓
2°05'	57°05'L	1.39	139	✓
2°20'	50°07'L	1.40	140	✓
2°20'	44°52'L	1.50	150	✓
2°05'	43°15'L	1.63	163	✓
2°05'	40°13'L	1.73	173	✓
2°00'	37°00'L	1.78	178	✓
2°00'	34°40'L	1.78	178	✓
2°00'	33°25'L	1.77	177	✓
2°00'	18°00'L	1.78	178	✓
2°00'	12°20'L	1.90	190	✓
1°45'	7°45'L	2.08	208	✓
1°50'	3°42'L	2.37	237	✓
1°35'	2°07'R	2.70	270	✓
1°30'	8°30'R	3.06	306	✓
1°15'	13°35'R	3.47	347	✓

265 ft Contour

0°00'	29°00'R	3.08	308	✓
0°00'	28°45'R	2.80	208	✓
0°10'	24°10'R	2.72	272	✓
0°20'	19°30'R	2.52	252	✓
0°15'	16°50'R	2.43	243	✓
0°15'	14°25'R	2.47	247	✓
0°20'	9°32'R	2.34	234	✓
0°20'	6°20'R	2.17	217	✓
0°20'	2°50'R	2.00	200	✓
0°20'	2°18'L	1.78	178	✓
0°25'	5°18'L	1.67	167	✓
0°25'	8°12'L	1.57	157	✓
0°25'	16°00'L	1.63	163	✓
0°25'	20°20'L	1.67	167	✓
0°25'	31°06'L	1.70	170	✓
0°30'	38°45'L	1.69	169	✓
0°30'	43°16'L	1.52	152	✓

0°25'	44°00'L	1.34	134	✓
0°15'	48°25'L	1.20	120	✓
0°25'	59°05'L	1.16	116	✓
0°30'	64°38'L	1.30	130	✓
0°25'	66°45'L	1.38	138	✓
0°30'	69°40'L	1.48	148	✓
0°35'	72°05'L	1.60	160	✓
2°05'	75°35'L	1.66	166	✓
2°00'	80°38'L	1.50	150	✓
2°00'	84°00'L	1.38	138	✓
0°45'	92°22'L	1.10	110	✓
3°45'	98°32'L	0.88	88	✓
3°30'	110°10'L	0.41	41	✓

260 ft Contour

0°00'	63°15'R	0.07	7	✓
9°30'	88°15'L	0.10	10	✓
9°15'	84°45'L	0.17	17	✓

1°00'	90°52'L	0.31	31	✓
0°45'	98°25'L	0.42	42	✓
4°05'	99°45'L	0.64	64	✓
0°10'	93°15'L	0.96	96	✓
0°20'	88°30'L	1.13	113	✓
0°35'	84°55'L	1.27	127	✓
0°00'	79°22'L	1.50	150	✓
0°00'	73°30'L	1.60	160	✓
0°00'	70°45'L	1.46	146	✓
0°40'	67°45'L	1.28	128	✓
0°35'	64°00'L	1.20	120	✓
0°30'	60°55'L	1.13	113	✓
1°00'	56°35'L	1.11	111	✓
1°35'	51°37'L	1.16	116	✓
1°30'	45°55'L	1.15	115	✓
1°50'	46°00'L	1.26	126	✓
2°00'	41°20'L	1.46	146	✓
1°00'	38°55'L	1.60	160	✓

1°00'	35°45'L	1.67	167	✓
1°00'	33°00'L	1.63	163	✓
1°00'	27°30'L	1.58	158	✓
0°50'	20°48'L	1.60	160	✓
1°00'	13°55'L	1.50	150	✓
1°10'	8°00'L	1.47	147	✓
1°25'	4°25'L	1.62	162	✓
1°25'	0°50'L	1.74	174	✓
1°30'	0°55'R	1.86	186	✓
1°05'	5°32'R	1.93	193	✓
1°00'	10°30'R	2.03	203	✓
1°00'	13°30'R	2.27	227	✓
0°55'	18°30'R	2.33	233	✓
0°50'	22°10'R	2.50	250	✓
0°50'	26°00'R	2.63	263	✓
0°50'	31°03'R	2.70	270	✓
0°50'	33°35'R	2.80	280	✓

250 ft. Contour

1°30'	37°07'R	3.08	308	✓
1°35'	36°30'R	2.80	280	✓
1°45'	34°30'R	2.60	260	✓
1°10'	29°15'R	2.58	258	✓
1°45'	25°10'R	2.48	248	✓
1°50'	21°25'R	2.32	232	✓
2°00'	18°40'R	2.18	218	✓
2°00'	14°55'R	2.15	215	✓
2°00'	12°15'R	1.95	195	✓
2°05'	11°08'R	1.88	188	✓
2°30'	6°30'R	1.84	184	✓
2°50'	4°50'R	1.80	180	✓
3°00'	0°55'R	1.65	165	✓
3°00'	2°15'L	1.58	158	✓
2°50'	2°30'L	1.44	144	✓
3°05'	11°30'L	1.35	135	✓
3°20'	19°00'L	1.48	148	✓

3°15'	22°40'L	1.50	150	✓
3°15'	27°30'L	1.50	150	✓
3°05'	33°15'L	1.53	153	✓
3°20'	38°00'L	1.48	148	✓
3°20'	40°15'L	1.37	137	✓
3°30'	42°20'L	1.23	123	✓
3°25'	42°50'L	1.13	113	✓
3°35'	48°05'L	1.12	111	✓
5°10'	51°15'L	1.06	105	✓
5°00'	58°45'L	1.08	107	✓
5°00'	64°40'L	1.08	107	✓
3°45'	69°50'L	1.22	122	✓
3°35'	73°15'L	1.37	137	✓
3°45'	74°45'L	1.45	145	✓
3°35'	80°55'L	1.30	130	✓
1°30'	85°10'L	1.08	108	✓
1°30'	88°15'L	0.92	92	✓
1°15'	89°50'L	0.74	74	✓

0°50'	91°50'L	0.56	56	✓
0°50'	85°40'L	0.36	36	✓
0°50'	68°20'L	0.20	20	✓
0°55'	13°10'R	0.18	18	✓
0°45'	89°20'R	0.17	17	✓
0°50'	109°30'R	0.37	37	✓
250 ft. Contour.				
1°50'	101°40'R	0.40	37	✓
22°40'	75°15'R	0.30	26	✓
25°00'	76°55'R	0.25	21	✓
28°10'	11°05'L	0.22	17	✓
24°00'	56°00'L	0.26	22	✓
16°15'	75°45'L	0.40	37	✓
4°10'	84°55'L	0.62	62	✓
4°00'	84°45'L	0.88	88	✓
3°35'	87°35'L	1.10	110	✓
3°40'	76°55'L	1.30	130	✓

Vertical	Horiz.	Rod		
3°50′	73°00′L	1.15	115	✓
3°40′	65°40′L	1.04	104	✓
3°45′	55°25′L	1.02	102	✓
3°50′	52°00′L	1.02	102	✓
3°15′	45°40′L	1.05	105	✓
3°10′	39°30′L	1.10	110	✓
6°15′	39°10′L	1.27	126	✓
5°50′	36°45′L	1.34	133	✓
5°45′	35°25′L	1.50	149	✓
5°25′	31°22′L	1.46	145	✓
5°10′	27°05′L	1.43	142	✓
5°20′	23°12′L	1.47	146	✓
5°20′	17°15′L	1.30	129	✓
5°30′	9°55′L	1.27	126	✓
5°30′	3°55′L	1.35	134	✓
5°30′	0°10′L	1.43	142	✓
4°30′	0°15′L	1.58	158	✓

4°30′	5°55′R	1.62	162	✓
4°40′	5°05′R	1.80	180	✓
4°50′	11°45′R	1.78	178	✓
3°30′	15°10′R	2.16	216	✓
3°30′	19°20′R	2.10	210	✓
3°30′	24°45′R	2.33	233	✓
3°30′	30°50′R	2.48	248	✓
3°30′	37°45′R	2.56	256	✓
2°55′	39°20′R	2.90	290	✓

2/19/03 Alvegoon
Mallorien
Anginsola
Lube
2 P.M.

△ Pt. on 8th St. rangeline produced
100 ft northerly from K.O.
→ K+100 produced westerly
275 ft. bottom

3°25′	50°50′L	2.70	270	✓

1°25'	45°45'L	2.43	243	✓
2°15'	41°00'L	2.25	225	✓
1°25'	37°45'L	1.90	190	✓
1°55'	30°30'L	1.62	162	✓
2°10'	22°03'L	1.40	140	✓
2°00'	8°00'L	1.30	130	✓
2°05'	12°40'R	1.25	125	✓
2°00'	30°35'R	1.29	129	✓
1°55'	42°25'R	1.39	139	✓
1°45'	47°25'R	1.63	163	✓

280 ft Contour

1°55'	43°30'L	3.20	320	✓
2°00'	47°35'L	2.93	293	✓
2°50'	38°08'L	2.65	265	✓
4°05'	34°18'L	2.37	237	✓
3°00'	27°48'L	2.09	209	✓
4°00'	22°03'L	1.95	195	✓

4°10'	17°23'L	1.87	187	✓
4°00'	10°15'L	1.70	170	✓
4°05'	0°50'R	1.72	172	✓
4°00'	18°00'R	1.77	177	✓
4°00'	31°00'R	1.88	188	✓

△ Pt on 8th St range line produced 100 ft northerly from K.o. at 327 left → K.o. + 100 north

285 ft Contour

2°08'	99°40'R	1.39	139	✓
2°08'	89°00'R	1.15	115	✓
2°15'	76°48'R	1.00	100	✓
2°30'	52°20'R	0.72	72	✓
2°35'	11°50'R	0.52	52	✓
2°35'	1°45'L	0.49	49	✓
6°55'	28°37'L	0.47	47	✓
4°45'	55°25'L	0.59	59	✓

0°40'	72°04'L	0.93	93	✓

290 ft. Contour.

0°40'	97°55'L	0.94	94	✓
0°50'	98°55'L	0.64	64	✓
0°50'	98°55'L	0.36	36	✓
0°45'	55°50'L	0.10	10	✓
0°50'	80°22' R	0.17	17	✓
0°45'	98°05'R	0.53	53	✓
0°00'	121°15'R	0.72	72	✓

△ Pt. on N. line of Park 350 ft. westerly from N.W. cor. of Park.

→ N.W. cor of Park.

290 ft. Contour.

4°10'	41°35'L	1.09	109	✓
1°30'	20°50'L	0.90	90	✓

285 ft. Contour.

1°30'	60°00'L	0.83	83	✓
1°30'	47°42'L	0.62	62	✓
1°30'	55°30'L	0.49	49	✓

△ Pt. on N. line of Park 450 ft. from N.W. cor. of Park.

→ N.W. cor. of Park.

280 ft. Contour.

0°20'	91°15'L	0.66	66	✓
0°30'	85°00'L	0.34	34	✓

275 ft. Contour

0°30'	155°15'L	0.76	76	✓
0°20'	162°50'L	0.64	64	✓

△ Pt. on N. line of Park 600 ft. from N.W. cor. of Park

→ N.W. cor. of Park

270 ft. Contour.

3°25'	83°35' L	0.70	70	✓
3°25'	59°05' L	0.54	54	✓
7°15'	29°32' L	0.58	58	✓

2/10/03. Alverson
McLaren
Anginsola
Luce

△ Pt. on Pound Canyon base line at Sta. 13 Fore sight to Sta 14

→ 59° 10' L. Sta. 3+40.5

130 ft Contour.

6°10'	49°00' L	3.00	297	✓
7°35'	42°30' L	2.85	280	✓

7°25'	36°30' L	2.35	231	✓
7°25'	27°35' L	2.36	232	✓
7°15'	18°52' L	2.37	233	✓
7°20'	12°48' L	2.42	238	✓
7°20'	6°38' L	2.48	244	✓
7°15'	2°00' L	2.60	256	✓
6°45'	0°43' R	2.70	267	✓
7°30'	3°15' R	2.85	281	✓

135 ft Contour.

7°30'	4°45' R	3.23	318	✓
7°05'	2°30' R	3.00	295	✓
7°10'	0°55' L	2.77	273	✓
7°30'	5°00' L	2.67	262	✓
7°45'	10°30' L	2.58	253	✓
8°00'	17°42' L	2.49	244	✓
8°10'	23°18' L	2.47	243	✓
8°20'	31°38' L	2.85	279	✓

11 Vertical Horiz Rod.			
6°35'	48°25' L	3.07	303 ✓
140 ft Contour			
7°25'	48°20' L	3.13	308 ✓
7°30'	45°00' L	3.08	303 ✓
7°35'	41°10' L	3.00	295 ✓
7°40'	35°40' L	2.95	290 ✓
7°50'	31°42' L	2.88	283 ✓
7°50'	27°38' L	2.87	282 ✓
8°05'	22°00' L	2.87	281 ✓
8°10'	16°20' L	2.96	290 ✓
8°20'	11°45' L	3.00	294 ✓
8°30'	10°08' L	2.75	269 ✓
8°10'	5°35' L	2.83	278 ✓
8°15'	1°05' L	2.96	290 ✓
7°30'	3°20' R	3.26	320 ✓
7°50'	5°15' R	3.50	344 ✓

	6°50'	7°50' R	3.90	384 ✓
8th St. R.L. A 4+94 R	7°45'	3°49' R	3.78	371 ✓
145 ft. Contour.				
	7°45'	5°00' R	3.95	388 ✓
	7°30'	4°20' R	3.60	353 ✓
	7°45'	2°15' R	3.40	333 ✓
	8°10'	0°20' L	3.20	314 ✓
	8°30'	2°42' L	3.08	301 ✓
	8°30'	7°15' L	3.12	305 ✓
	8°25'	12°45' L	3.06	299 ✓
	8°30'	16°45' L	3.10	303 ✓
	8°40'	24°10' L	2.98	291 ✓
	8°45'	30°40' L	2.95	288 ✓
	8°50'	36°20' L	3.00	293 ✓
	8°50'	40°30' L	3.07	300 ✓
	8°50'	43°10' L	3.12	305 ✓
	8°30'	44°55' L	3.22	315 ✓

8°30'	47°45' L	3.17	310 ✓

150 ft. Contour.

8°40'	47°15' L	3.24	317 ✓
8°40'	44°20' L	3.30	323 ✓
9°00'	42°08' L	3.18	310 ✓
9°05'	40°45' L	3.12	304 ✓
9°15'	37°00' L	3.04	296 ✓
9°25'	33°50' L	3.00	292 ✓
9°25'	30°10' L	3.00	292 ✓
9°55'	26°45' L	3.01	292 ✓
9°45'	23°00' L	3.02	293 ✓
9°45'	18°00' L	3.10	301 ✓
9°40'	12°00' L	3.17	308 ✓
9°20'	7°50' L	3.26	318 ✓
8°55'	3°35' L	3.36	328 ✓
8°45'	0°05' L	3.47	339 ✓

155 ft. Contour

8°45'	1°50' L	3.67	359 ✓
9°20'	4°50' L	3.45	336 ✓
9°45'	9°30' L	3.27	318 ✓
10°00'	13°15' L	3.17	307 ✓
10°15'	18°00' L	3.16	306 ✓
10°15'	24°30' L	3.09	299 ✓
10°30'	29°00' L	3.10	300 ✓
10°25'	33°55' L	3.15	305 ✓
9°55'	41°55' L	3.27	317 ✓

△ Pt. on 8th St. range line at A4+94 R.

→ A0

155 ft. Contour.

5°50'	52°25' L	0.27	27 ✓
5°50'	4°45' L	0.34	34 ✓
5°45'	3°45' R	0.70	69 ✓

2°00'	7°40'R	1.03	103 ✓
2°55'	6°55'R	1.32	132 ✓
2°55'	12°45'R	1.66	166 ✓
2°30'	12°45'R	1.94	194
2°00'	16°15'R	2.28	228 ✓
1°15'	18°45'R	2.60	260 ✓
1°10'	23°00'R	2.88	288 ✓
1°05'	27°50'R	2.68	268 ✓
1°10'	32°50'R	2.50	250 ✓
1°10'	41°05'R	2.24	224 ✓
1°15'	51°10'R	2.13	213 ✓
1°20'	59°10'R	2.14	214 ✓
1°25'	65°30'R	2.29	229 ✓
1°30'	70°05'R	2.64	264 ✓
1°25'	71°48'R	2.88	288 ✓
1°15'	74°05'R	3.25	325 ✓
1°05'	75°03'R	3.56	356 ✓
1°00'	76°15'R	3.84	384 ✓

0°55'	76°45'R	4.25	425 ✓
150 ft. bottom			
0°15'	78°18'R	4.25	425 ✓
0°20'	77°45'R	4.00	400 ✓
0°20'	77°30'R	3.67	367 ✓
0°20'	76°20'R	3.30	330 ✓
0°20'	75°53'R	3.00	300 ✓
0°25'	74°25'R	2.67	267 ✓
0°15'	71°00'R	2.32	232 ✓
0°15'	66°10'R	2.07	207 ✓
0°15'	56°35'R	1.95	195 ✓
0°15'	45°20'R	2.03	203 ✓
0°15'	31°45'R	2.20	220 ✓
0°05'	29°20'R	2.40	240 ✓
0°00'	24°30'R	2.56	256 ✓
0°05'	22°07'R	2.34	234 ✓
0°05'	19°00'R	2.17	217 ✓

0°35'	18°10'R	1.89	189 ✓
0°35'	18°00'R	1.57	157 ✓
0°40'	15°16'R	1.37	137 ✓
0°45'	15°52'R	1.08	108 ✓
1°00'	15°25'R	0.83	83 ✓
1°00'	19°06'R	0.52	52 ✓
1°00'	18°00'R	0.24	24 ✓
0°50'	85°30'L	0.07	7 ✓
0°30'	113°55'L	0.35	35 ✓
145 ft. Contour.			
0°50'	43°15'R	0.40	40 ✓
0°50'	27°05'R	0.72	72 ✓
0°30'	22°00'R	1.03	103 ✓
0°30'	19°55'R	1.32	132 ✓
0°00'	21°30'R	1.68	168 ✓
0°05'	23°52'R	2.00	200 ✓
0°00'	26°00'R	2.20	220 ✓

0°10'	33°36'R	2.07	207 ✓
0°00'	41°48'R	1.95	195 ✓
0°05'	50°35'R	1.83	183 ✓
0°00'	58°48'R	1.78	178 ✓
0°00'	64°25'R	1.82	182 ✓
0°10'	71°30'R	2.05	205 ✓
0°10'	74°48'R	2.27	227 ✓
0°15'	76°27'R	2.58	258 ✓
0°05'	78°15'R	2.94	294 ✓
0°10'	78°12'R	3.20	320 ✓
0°45'	79°13'R	3.63	363 ✓
0°20'	79°55'R	4.04	404 ✓
140 ft. Contour.			
1°35'	81°30'R	3.92	392 ✓
1°30'	80°45'R	3.53	353 ✓
1°30'	80°40'R	3.22	322 ✓
1°40'	80°45'R	2.88	288 ✓

2°20'	79°05'R	2.47	247
2°35'	75°22'R	2.02	202
2°45'	68°45'R	1.72	172
3°00'	54°55'R	1.63	163
3°00'	44°10'R	1.71	171
3°10'	35°30'R	1.85	185
3°20'	30°17'R	1.80	180
3°30'	26°50'R	1.53	153
3°30'	26°25'R	1.26	126
3°30'	30°25'R	1.04	104
5°30'	34°15'R	0.80	79
7°10'	50°25'R	0.52	51
10°40'	78°10'R	0.38	37

135 ft Contour

13°40'	160°50'L	0.42	40
20°15'	149°35'R	0.30	26
20°15'	103°38'R	0.41	37
9°40'	55°15'R	0.64	62
6°30'	39°30'R	0.97	96
4°45'	32°05'R	1.28	128
5°00'	33°10'R	1.46	145
5°00'	34°45'R	1.58	157
5°25'	44°45'R	1.43	142
5°25'	50°50'R	1.53	152
5°30'	62°50'R	1.52	151
5°25'	72°45'R	1.67	166
4°30'	78°52'R	2.04	204
3°40'	81°50'R	2.35	235
3°10'	82°10'R	2.67	267
2°40'	82°38'R	2.98	298
2°15'	82°52'R	3.44	344
2°10'	82°45'R	3.63	363
2°15'	83°22'R	3.90	390

130 ft. Contour

3°05'	84°50'R	3.83	383 ✓
3°00'	84°35'R	3.53	353 ✓
3°10'	85°05'R	3.23	323 ✓
4°00'	84°55'R	2.92	292 ✓
4°05'	84°30'R	2.50	250 ✓
4°45'	83°35'R	2.18	218 ✓
5°45'	80°30'R	1.80	180 ✓
6°30'	76°40'R	1.60	158 ✓
7°30'	66°55'R	1.45	143 ✓
7°20'	55°45'R	1.38	136 ✓
7°30'	43°05'R	1.30	128 ✓
7°50'	40°50'R	1.20	118 ✓
10°30'	47°20'R	0.94	91 ✓
13°45'	65°55'R	0.72	68 ✓
17°30'	86°00'R	0.57	52 ✓
22°45'	122°07'R	0.46	39 ✓
25°00'	165°45'R	0.43	35 ✓
16°30'	157°30'L	0.60	55 ✓
11°50'	149°10'L	0.82	79 ✓

△ Pt. on Pound Canyon baseline at Sta. 24
→ Sta. 21 of same

130 ft. Contour

2°40'	17°20'R	4.44	444 ✓
2°20'	19°55'R	4.10	410 ✓
3°10'	24°50'R	3.78	378 ✓
3°15'	28°00'R	3.58	358 ✓
3°30'	30°37'R	3.40	340 ✓
3°30'	32°50'R	3.29	329 ✓
3°30'	36°30'R	3.20	320 ✓
3°40'	39°37'R	3.07	307 ✓
3°45'	43°30'R	2.88	288 ✓
4°10'	47°45'R	2.72	272 ✓
4°20'	54°40'R	2.53	253 ✓

4°20'	61°45'R	2.48	248 ✓

135 ft. Contour

5°15'	59°45'R	2.58	256 ✓
5°25'	54°00'R	2.65	263 ✓
5°15'	48°35'R	2.80	278 ✓
5°00'	44°35'R	3.00	298 ✓
4°30'	41°08'R	3.17	317 ✓
4°40'	36°12'R	3.33	333 ✓
4°10'	32°52'R	3.48	348 ✓
4°00'	29°30'R	3.60	360 ✓
3°35'	26°30'R	3.76	376 ✓
3°40'	23°00'R	4.00	400 ✓
3°30'	20°07'R	4.25	425 ✓
3°10'	18°05'R	4.60	460 ✓

140 ft. Contour

3°45	19°30'R	4.58	458 ✓

4°10'	22°25'R	4.22	422 ✓
4°10'	26°30'R	3.88	388 ✓
4°35'	30°10'R	3.67	367 ✓
4°45'	34°20'R	3.57	357 ✓
5°10'	36°40'R	3.40	337 ✓
5°30'	40°48'R	3.30	327 ✓
5°55'	44°55'R	3.15	311 ✓
6°00'	47°00'R	2.96	293 ✓
6°00'	53°10'R	2.80	277 ✓
6°00'	54°35'R	2.67	264 ✓

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2/11/03 Alverson
McLaren
Anginsola
Lube

△ Pt. on Pound Canyon base line
at Sta. 24
→ Sta. 21 of same

145 ft. Contour.

6°55'	57°12' R	2.83	279 ✓
6°50'	52°40' R	2.96	292 ✓
6°45'	49°00' R	3.10	306 ✓
6°15'	45°20' R	3.27	327 ✓
6°05'	42°36' R	3.34	331 ✓
6°00'	40°05' R	3.40	337 ✓
5°50'	36°15' R	3.60	357 ✓
5°35'	33°20' R	3.67	364 ✓
5°05'	29°45' R	3.75	372 ✓
5°00'	26°20' R	4.02	399 ✓
4°55'	23°40' R	4.25	424 ✓
2°05'	21°30'	4.55	455 ✓

150 ft. Contour

5°15'	23°12' R	4.47	443 ✓
5°30'	25°00' R	4.26	422 ✓
5°50'	27°30' R	4.04	400 ✓
6°00'	29°30' R	3.90	386 ✓
6°00'	32°05' R	3.80	376 ✓
6°20'	34°42' R	3.70	366 ✓
6°25'	38°30' R	3.58	354 ✓
6°35'	41°45' R	3.47	343 ✓
7°00'	47°30' R	3.34	329 ✓
7°05'	52°10' R	3.15	310 ✓
7°50'	57°05' R	2.96	292 ✓

155 ft. Contour

8°20'	62°15' R	3.15	308 ✓
8°15'	57°05' R	3.20	313 ✓

7°45'	52°06'R	3.34	328 ✓
7°35'	47°45'R	3.47	341 ✓
7°25'	45°50'R	3.57	351 ✓
7°20'	45°15'R	3.60	354 ✓
7°08'	38°20'R	3.67	361 ✓
6°55'	34°35'R	3.80	375 ✓
6°45'	31°15'R	3.93	398 ✓
6°25'	28°15'R	4.12	407 ✓
5°50'	25°10'R	4.43	438 ✓

160 ft Contour.

6°30'	27°18'R	4.47	443
7°00'	30°10'R	4.18	412
7°20'	32°52'R	4.00	394
7°30'	36°12'R	3.87	381
7°40'	39°08'R	3.77	370
7°40'	41°15'R	3.78	371
7°55	45°38'R	3.70	363

taken twice

8°00'	49°37'R	3.53	346
8°00'	52°00'R	3.50	343
8°25'	54°48'R	3.42	335
8°50'	58°16'R	3.32	324
8°55'	61°50'R	3.27	319

165 ft Contour

9°15'	65°55'R	3.50	341
9°15'	56°40'R	3.50	341
8°35'	52°08'R	3.67	359
8°30'	48°05'R	3.80	372
8°20'	45°55'R	3.91	383
8°15'	38°40'R	3.96	388
7°55'	34°55'R	4.03	395
7°15'	30°40'R	4.37	429
7°00'	28°30'R	4.60	452
7°00'	27°30'R	4.77	470

170 ft. Contour.

7°45'	30°35' R	4.62	454
7°55'	34°00' R	4.40	432
8°15'	36°30' R	4.27	418
8°30'	39°07' R	4.18	409
8°25'	43°45' R	4.05	396
9°00'	47°28' R	3.96	386
9°05'	52°18' R	3.92	382
9°25'	56°36' R	3.80	370
9°20'	61°00' R	3.77	367
9°20'	63°30' R	3.70	360

175 ft. Contour.

9°35'	63°38' R	3.96	386
9°35'	59°45' R	3.92	382
9°30'	54°42' R	4.04	394
9°20'	50°30' R	4.12	402
9°00'	45°45' R	4.22	412

8°55'	41°50' R	4.33	423
9°35'	39°00' R	4.43	433
8°30'	35°55' R	4.54	445
8°00'	33°10' R	4.82	473

△ Pt. on 8th St. range line at

A 14+94 R

→ A 0.

160 ft. Contour

2°05'	69°25' R	2.90	290 ✓
2°00'	72°00' R	3.20	320 ✓
2°00'	72°30' R	3.50	350 ✓
1°50'	72°55' R	3.83	383 ✓
1°45'	74°30' R	4.10	410 ✓
1°40'	74°25' R	4.38	438 ✓

165 ft. Contour.

2°10'	73°00'	4.30	430 ✓

Vertical Hung Rod:

2°15'	72°40'R	4.05	405	✓
2°15'	70°50'R	3.83	383	✓
2°30'	70°08'R	3.55	355	✓
3°00'	73°50'R	3.33	333	✓
3°00'	66°15'R	3°00'	300	✓

170 ft Contour

3°30'	65°20'R	3.20	320	✓
3°25'	65°52'R	3.53	353	✓
3°15'	67°35'R	3.85	385	✓
3°00'	69°16'R	4.18	418	✓

175 ft Contour

3°25'	67°05'R	4.32	432	✓
3°30'	66°15'R	4.02	402	✓
3°55'	64°06'R	3.72	372	✓
4°10'	61°25'R	3.48	348	✓

180 ft Contour

4°30'	60°18'R	3.77	377	✓
4°30'	63°25'R	4.10	410	✓
4°00'	65°15'R	4.45	445	✓
3°45'	65°55'R	4.60	460	✓

△ Pt. on 8th transverse line at B 1+50 R

→ B line produced easterly

180 ft Contour

3°30'	46°20'R	1.85	185	✓	180
2°45'	44°35'R	1.57	157	✓	
2°45'	45°40'R	1.26	126	✓	
3°05'	40°37'R	0.95	95	✓	
3°05'	29°02'R	0.59	59	✓	
5°46'	6°28'R	0.34	34	✓	
9°35'	40°35'L	0.22	21	✓	
9°00'	114°42'L	0.36	35	✓	

4°50'	135°50'L	0.64	64 ✓	
4°00'	143°15'L	0.92	92 ✓	
3°55'	139°45'L	1.12	112 ✓	
3°30'	133°10'L	1.37	137 ✓	
2°30'	124°50'L	1.60	160 ✓	
2°30'	119°35'L	1.82	182 ✓	
2°25'	112°55'L	2.10	210 ✓	
2°25'	107°10'L	2.18	218 ✓	
2°10'	97°12'L	2.07	207 ✓	
2°10'	99°00'L	2.07	207 ✓	
2°15'	81°45'L	2.30	230 ✓	
1°25'	81°00'L	2.77	277 ✓	
1°20'	81°50'L	3.14	314 ✓	
0°55'	80°00'L	3.48	348 ✓	
0°50'	80°50'L	3.90	390 ✓	
0°25'	80°17'L	4.20	420 ✓	

175 ft Contour

1°00'	78°20'L	4.18	418 ✓	
1°00'	77°45'L	3.76	376 ✓	
1°55'	76°45'L	2.40	240 ✓	3140
2°05'	76°35'L	3.00	300 ✓	
2°30'	76°30'L	2.60	260 ✓	
3°05'	78°35'L	2.18	218 ✓	
3°20'	85°53'L	1.91	191 ✓	
3°25'	99°45'L	1.89	189 ✓	
3°30'	108°35'L	1.97	197 ✓	
3°30'	114°06'L	1.83	183 ✓	
3°30'	117°30'L	1.15	115 ✓	1520
3°05'	125°04'L	1.36	136 ✓	
3°05'	130°45'L	1.10	110 ✓	
3°30'	128°35'L	0.80	80 ✓	
6°30'	108°18'L	0.55	55 ✓	
6°25'	62°00'L	0.40	40 ✓	
6°25'	13°20'L	0.48	48 ✓	

170 ft Contour

12°00'	78°08'L	0.70	47
13°35'	65°05'L	0.58	55
13°35'	88°30'L	0.66	63
11°05'	114°25'L	0.78	75
7°15'	125°45'L	1.11	109
6°20'	113°15'L	1.57	155
4°50'	108°07'L	1.78	178
5°00'	96°55'L	1.72	171
5°00'	86°52'L	1.75	174
5°00'	76°45'L	2.00	198
4°00'	72°38'L	2.26	226
3°50'	72°07'L	2.60	260
3°00'	73°45'L	3.07	307
2°35'	74°32'L	3.38	338
2°15'	75°25'L	3.85	385
1°50'	75°55'L	4.12	412

165 ft Contour

0°05'	74°55'L	4.15	415
3°00'	73°00'L	3.73	373
3°20'	71°50'L	3.38	338
4°00'	69°48'L	2.96	296
4°40'	67°50'L	2.57	257
4°30'	70°00'L	2.13	213
5°05'	74°30'L	1.85	183
6°00'	85°15'L	1.62	162
6°05'	91°12'L	1.58	156
6°00'	103°25'L	1.58	156
6°05'	108°04'L	1.50	148
7°45'	112°08'L	1.25	123
11°00'	105°08'L	0.88	85
12°10'	79°30'L	0.75	72
12°10'	73°10'L	0.80	77
12°00'	79°45'L	0.86	83
11°50'	13°20'L	0.95	91

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2/17/03 Alverson
McLaren
Anginsola
Lice

△ Pt. on Pound Canyon base line at Sta. 22+30.

→ Sta. 24

160 ft. Contour

Taken twice

10°20'	86°20' L.	2.92	283
9°40'	81°45' L.	3.23	314
8°45'	79°15' L.	3.43	335
8°00'	77°42' L.	3.72	365
7°45'	76°08' L.	4.08	400
7°45'	74°00' L.	4.22	414
8°00'	70°10' L.	4.27	419
8°05'	69°15' L.	4.17	409
8°00'	68°07' L.	3.92	384
8°30'	65°53' L.	3.70	362
8°40'	62°15' L.	3.42	334

Taken twice

9°15'	57°45' L.	3.25	317
9°35'	54°00' L.	3.18	309
9°30'	47°00' L.	3.20	311
9°00'	42°18' L.	3.35	327
8°50'	38°22' L.	3.55	347
8°15'	34°35' L.	3.71	363
7°45'	31°08' L.	3.95	388
7°15'	27°04' L.	4.26	419

155 ft. Contour.

6°40'	26°10' L.	4.13	407 ✓
7°00'	28°55' L.	3.93	387 ✓
7°45'	31°35' L.	3.75	368 ✓
7°45'	34°38' L.	3.53	346 ✓
8°15'	39°06' L.	3.30	323 ✓
9°00'	43°40' L.	3.11	303 ✓
9°00'	49°00' L.	3.00	292 ✓
9°00'	58°25' L.	3.11	303 ✓

8°00′	63°05′L	3.30	324 ✓
7°50′	66°22′L	3.54	347 ✓
7°50′	70°33′L	3.86	379 ✓
7°00′	73°38′L	3.94	388 ✓
7°30′	76°35′L	3.61	355 ✓
8°15′	78°40′L	3.27	320 ✓
9°20′	81°15′L	2.95	287 ✓
10°15′	86.50′L	2.77	268 ✓

150 ft. Contour.

10°00′	85°00′L	2.60	252 ✓
8°45′	80°00′L	2.83	276 ✓
8°05′	77°30′L	3.21	315 ✓
7°30′	75°42′L	3.54	348 ✓
7°20′	73°30′L	3.78	372 ✓
7°25′	69°40′L	3.50	344 ✓
7°30′	66°08′L	3.34	328 ✓
7°45′	61°25′L	3.05	299 ✓
8°35′	55°40′L	2.88	282 ✓
8°30′	47°35′L	2.90	284 ✓
8°00′	39°42′L	3.10	304 ✓
7°30′	34°00′L	3.41	335 ✓
7°00′	29°55′L	3.64	359 ✓
6°45′	27°30′L	3.83	378 ✓
6°35′	26°25′L	4.08	403 ✓

145 ft Contour.

5°20′	28°42′L	3.97	394 ✓
6°00′	26°33′L	3.64	360 ✓
6°00′	28°34′L	3.50	346 ✓
6°45′	32°07′L	3.30	325 ✓
7°00′	36°40′L	3.07	302 ✓
7°15′	41°20′L	2.82	278 ✓
8°10′	47°35′L	2.73	267 ✓
8°00′	54°30′L	2.70	265 ✓
8°00′	59°45′L	2.87	282 ✓

7°00'	65°00'L	3.08	303 ✓
7°30'	67°50'L	3.24	319 ✓
6°40'	72°55'L	3.43	338 ✓
7°00'	75°10'L	3.15	309 ✓
7°15'	76°55'L	2.92	287 ✓
8°00'	79°07'L	2.65	260 ✓
8°35'	81°45'L	2.48	242 ✓

140 ft. Contour.

7°10'	77°55'L	2.50	246 ✓
7°00'	75°00'L	2.83	279 ✓
6°05'	71°40'L	3.16	312 ✓
6°25'	67°40'L	3.02	298 ✓
6°30'	62°55'L	2.83	279 ✓
7°25'	58°10'L	2.62	258 ✓
7°25'	53°40'L	2.54	250 ✓
7°20'	46°18'L	2.60	256 ✓
7°00'	42°15'L	2.70	266 ✓

7°00'	38°50'L	2.81	277 ✓
6°30'	34°25'L	3.00	296 ✓
6°00'	30°00'L	3.27	324 ✓
5°30'	26°04'L	3.52	349 ✓
5°15'	24°25'L	3.76	373 ✓
5°00'	23°12'L	3.89	384 ✓

135 ft. Contour.

4°05'	21°45'L	3.78	376 ✓
4°35'	24°15'L	3.50	348 ✓
5°00'	27°45'L	3.27	325 ✓
5°00'	30°35'L	3.09	305 ✓
5°30'	33°40'L	2.93	290 ✓
5°45'	36°55'L	2.76	273 ✓
6°25'	43°07'L	2.56	253 ✓
6°30'	47°25'L	2.47	244 ✓
6°30'	56°45'L	2.43	240 ✓
6°00'	63°10'L	2.64	261 ✓

6°00'	66°15'L	2.78	275 ✓
6°00'	69°45'L	2.90	287 ✓
6°00'	74°00'L	2.63	260 ✓
6°00'	76°40'L	2.41	238 ✓

△ Pt. on Pound Canyon base line
at Sta. 25+90
→ Sta. 27

135 ft. Contour.

6°15'	100°15'L	1.93	191 ✓
7°05'	89°12'L	1.90	187 ✓
7°00'	80°35'L	2.03	200 ✓
6°15'	75°30'L	2.30	227 ✓
5°25'	71°48'L	2.64	262 ✓
6°00'	71°55'L	2.92	289 ✓
5°00'	68°35'	3.17	315 ✓
5°00'	66°30'L	3.00	298 ✓
5°00'	62°15'L	2.78	276 ✓

5°10'	60°00'L	2.53	251 ✓
5°30'	56°12'L	2.34	232 ✓
5°50'	45°50'L	2.20	217 ✓

140 ft. Contour.

7°00'	45°48'L	2.37	233 ✓
7°00'	52°15'L	2.45	241 ✓
6°30'	57°45'L	2.60	257 ✓
6°15'	59°10'L	2.70	267 ✓
5°40'	64°15'L	3.04	301 ✓
5°00'	66°40'L	3.45	342 ✓
5°15'	69°45'L	3.70	367 ✓
5°45'	71°45'L	3.53	349 ✓
6°00'	72°55'L	3.23	319 ✓
6°35'	74°00'L	2.90	286 ✓
6°45'	74°50'L	2.63	259 ✓
7°00'	77°30'L	2.33	229 ✓
7°25'	83°00'L	2.14	210 ✓

Vertical Horiz Rod

7°30'	92°35'L	2.05	202 ✓
8°00'	97°35'L	2.08	204 ✓

145 ft. Contour.

8°30'	97°30'L	2.23	218 ✓
8°45'	87°20'L	2.24	219 ✓
8°00'	80°45'L	2.48	243 ✓
7°30'	76°55'L	2.77	272 ✓
7°15'	75°38'L	3.05	300 ✓
7°10'	75°10'L	3.15	310 ✓
6°35'	73°50'L	3.50	345 ✓
5°45'	71°37'L	4.17	413 ✓
5°15'	67°40'L	4.08	405 ✓
5°10'	66°50'L	3.85	382 ✓
5°20'	65°12'L	3.50	347 ✓
6°25'	62°37'L	3.13	309 ✓
6°50'	59°05'L	2.86	282 ✓
6°40'	54°37'L	2.67	264 ✓
7°15'	44°56'L	2.52	248 ✓

150 ft. Contour.

7°40'	45°00'L	2.70	265 ✓
7°45'	52°07'L	2.77	272 ✓
7°25'	58°25'L	3.00	295 ✓
7°00'	61°40'L	3.20	315 ✓
6°30'	63°34'L	3.54	350 ✓
6°00'	64°35'L	3.93	389 ✓
5°30'	66°00'L	4.25	424 ✓
5°30'	59°10'L	4.26	422 ✓
5°45'	70°36'L	4.10	406 ✓
5°55'	72°15'L	3.88	384 ✓
7°00'	74°42'L	3.58	353 ✓
7°20'	75°35'L	3.40	334 ✓
7°15'	75°55'L	3.20	315 ✓
8°10'	78°45'L	2.93	287 ✓

9°00'	81°55'L	2.65	259 ✓
9°40'	88°00'L	2.38	231 ✓
9°20'	97°15'L	2.33	227 ✓

155 ft Contour.

10°20'	99°45'L	2.48	240 ✓
10°20'	91°55'L	2.50	242 ✓
10°20'	88°30'L	2.52	244 ✓
9°15'	84°25'L	2.77	270 ✓
8°45'	81°25'L	2.96	289 ✓
8°30'	78°00'L	3.27	320 ✓
8°10'	77°20'L	3.48	341 ✓
7°15'	73°55'L	3.87	380 ✓
6°30'	70°55'L	4.20	415 ✓
6°20'	69°00'L	4.43	438 ✓
6°15'	68°55'L	4.47	442 ✓
6°15'	63°30'L	4.60	455 ✓
6°25'	63°00'L	4.40	435 ✓

6°30'	63°10'L	4.20	415 ✓
6°45'	62°45'L	3.87	383 ✓
7°30'	61°20'L	3.50	344 ✓
7°30'	60°00'L	3.23	317 ✓
8°05'	54°30'L	3.00	294 ✓
8°45'	47°00'L	2.85	278 ✓

△ Pt. on Pound Canyon base line at Sta. 27

→ Sta. 33+35

155 ft Contour.

11°10'	60°55'L	2.22	214 ✓
11°20'	50°08'L	2.30	221 ✓
10°25'	45°45'L	2.48	240 ✓
9°30'	38°00'L	2.72	265 ✓
9°10'	36°00'L	2.90	283 ✓
9°00'	35°15'L	2.96	289 ✓
8°30'	35°35'L	3.20	313 ✓

7°30'	30°10' L	3.38	332 ✓
7°30'	28°40' L	3.67	361 ✓
6°45'	27°12' L	3.88	383 ✓
6°15'	25°13' L	4.26	421 ✓

150 ft. Contour

5°30'	23°55' L	4.16	412 ✓
5°45'	25°20' L	3.93	389 ✓
6°10'	26°38' L	3.75	370 ✓
6°25'	28°22' L	3.40	336 ✓
7°30'	31°20' L	3.17	312 ✓
8°00'	33°45' L	2.94	288 ✓
8°30'	35°40' L	2.67	261 ✓
9°00'	39°10' L	2.48	242 ✓
9°55'	43°20' L	2.34	227 ✓
10°00'	47°33' L	2.22	215 ✓
10°45'	53°03' L	2.14	207 ✓
10°45'	59°52' L	2.07	200 ✓

145 ft. Contour

10°00'	61°38' L	1.90	184 ✓
10°00'	54°45' L	1.95	189 ✓
9°20'	47°10' L	2.05	200 ✓
8°30'	39°30' L	2.25	220 ✓
8°00'	34°30' L	2.53	248 ✓
7°45'	33°35' L	2.70	265 ✓
7°00'	31°00' L	2.97	293 ✓
6°30'	29°08' L	3.20	316 ✓
5°55'	26°40' L	3.42	338 ✓
5°30'	24°45' L	3.78	374 ✓
5°15'	23°05' L	4.07	404 ✓
4°55'	22°30' L	4.20	420 ✓

140 ft. Contour

4°45'	21°15' L	4.05	405 ✓
4°30'	23°10' L	3.82	382 ✓
4°35'	24°15' L	3.57	357 ✓

5°15'	26°08' L	3.22	319	✓
5°45'	28°22' L	3.00	297	✓
6°50'	31°25' L	2.64	259	✓
7°00'	34°42' L	2.33	229	✓
8°30'	38°30' L	2.16	212	✓
8°30'	44°00' L	1.97	193	✓
9°30'	55°18' L	1.80	175	✓
10°00'	65°08' L	1.73	168	✓

135 ft Contour

8°30'	63°55' L	1.60	157	✓
8°00'	51°47' L	1.67	164	✓
7°30'	41°55' L	1.84	181	✓
7°30'	35°07' L	2.13	209	✓
6°25'	32°30' L	2.27	224	✓
5°35'	29°30' L	2.60	258	✓
5°05'	27°30' L	2.80	278	✓
5°00'	25°52' L	3.04	302	✓

4°30'	24°20' L	3.20	320	✓
4°30'	23°12' L	3.50	350	✓
3°45'	21°00' L	3.83	383	✓
3°45'	19°35' L	4.04	404	✓

2/18/03 Alverson
McLaren
Anginsola
Lisee

△ Pt. on 8th St. range line at C1 right
→ Co

160 ft Contour

4°30'	169°18' R	1.80	180	✓
4°35'	167°45' R	1.57	157	✓
4°30'	164°00' R	1.45	145	✓
4°30'	158°47' R	1.30	130	✓
6°35'	143°25' R	1.08	106	✓
6°50'	130°10' R	1.03	101	✓
6°50'	115°42' R	1.07	105	✓

6°35'	98°30' R	1.10	108
7°00'	110°22' R	0.84	83
9°30'	112°05' R	0.53	52
15°00'	154°05' R	0.37	35
12°35'	173°04' L	0.49	47
8°00'	156°12' L	0.70	69
5°40'	146°50' L	1.00	99
4°00'	146°00' L	1.53	153
3°00'	141°40' L	1.98	198
1°15'	137°43' L	2.35	235

165 ft Contour

0°15'	136°40' L	2.22	222
1°00'	140°15' L	1.78	178
1°30'	142°20' L	1.46	146
2°00'	139°32' L	1.14	114
2°00'	146°42' L	0.74	74
5°45'	162°35' L	0.45	45

10°00'	149°00' R	0.23	22
7°30'	95°00' R	0.28	28
4°50'	95°52' R	0.51	51
3°00'	94°05' R	0.81	81
2°45'	90°30' R	1.07	107
2°30'	91°50' R	1.28	128
2°30'	102°40' R	1.16	116
2°15'	118°35' R	1.13	113
2°00'	130°50' R	1.10	110
2°10'	139°37' R	1.12	112
1°50'	152°40' R	1.27	127
1°30'	162°07' R	1.50	150
1°30'	165°20' R	1.82	182

170 ft Contour

1°20'	161°35' R	1.88	188
1°00'	160°15' R	1.67	167
1°00'	157°50' R	1.43	143

1°10'	144°45'R	1.25	125 ✓
1°10'	132°36'R	1.20	120 ✓
1°10'	115°55'R	1.23	123 ✓
1°00'	101°18'R	1.32	132 ✓
1°00'	92°45'R	1.48	148 ✓
1°00'	84°50'R	1.33	133 ✓
1°00'	80°35'R	1.26	126 ✓
1°00'	82°47'R	1.02	102 ✓
1°00'	83°15'R	0.82	82 ✓
1°00'	83°15'R	0.59	59 ✓
1°00'	73°45'R	0.23	23 ✓
1°00'	165°15'L	0.21	21 ✓
1°30'	147°15'L	0.47	47 ✓
1°00'	137°35'L	0.77	77 ✓
0°00'	133°50'L	1.10	110 ✓
0°00'	137°15'L	1.42	142 ✓
0°00'	138°00'L	1.80	180 ✓
0°00'	131°45'L	2.30	230 ✓

175 ft Contour.

0°00'	129°25'L	2.20	220 ✓
0°00'	133°55'L	1.88	188 ✓
0°00'	132°00'L	1.50	150 ✓
0°00'	127°50'L	1.24	124 ✓
0°00'	126°55'L	0.90	90 ✓
0°00'	129°12'L	0.57	57 ✓
0°00'	138°55'L	0.22	22 ✓
0°00'	37°30'R	0.10	10
0°00'	47°00'R	0.35	35
0°00'	68°50'R	0.54	54 ✓
0°00'	77°15'R	0.78	78 ✓
0°00'	77°30'R	1.10	110 ✓
2°30'	75°25'R	1.33	133 ✓
2°00'	80°36'R	1.48	148 ✓
2°00'	85°45'R	1.57	157 ✓
2°00'	91°30'R	1.73	173 ✓
2°00'	101°20'R	1.48	148 ✓

1°40'	112°55'R	1.35	135 ✓
1°50'	125°00'R	1.28	128 ✓
2°00'	139°42'R	1.32	132 ✓
2°00'	146°42'R	1.42	142 ✓
1°45'	153°55'R	1.62	162 ✓
1°45'	157°30'R	1.92	192 ✓

Pt. on Pound Canyon base line at Sta. 27.

→ Sta. 30

160 ft. Contour.

11°00'	74°17'L	2.65	255 ✓
12°00'	67°45'L	2.43	233 ✓
12°15'	59°07'L	2.38	227 ✓
12°10'	52°30'L	2.40	229 ✓
11°00'	45°15'L	2.60	251 ✓
11°00'	39°45'L	2.83	274 ✓
9°30'	36°25'L	3.02	294 ✓
8°40'	33°45'L	3.23	316 ✓
8°00'	30°47'L	3.53	346 ✓
7°45'	29°42'L	3.70	363 ✓
7°30'	28°30'L	3.96	390 ✓
6°50'	26°30'L	4.27	421 ✓

165 ft. Contour.

7°30'	27°45'L	4.32	425 ✓
8°00'	29°50'L	4.04	396 ✓
8°30'	31°42'L	3.64	356 ✓
9°30'	34°47'L	3.37	328 ✓
10°15'	37°10'L	3.15	304 ✓
10°45'	39°50'L	2.96	286 ✓
12°00'	47°42'L	2.67	255 ✓
12°20'	54°55'L	2.54	242 ✓
12°15'	61°30'L	2.51	240 ✓
12°00'	69°05'L	2.63	252 ✓

170 ft. Contour.

12°30'	67°25'L	2.77	264 ✓
13°10'	61°35'L	2.68	254 ✓
12°45'	53°48'L	2.68	255 ✓
12°30'	48°24'L	2.80	267 ✓
11°40'	42°25'L	2.94	282 ✓
10°50'	38°38'L	3.22	311 ✓
9°50'	35°12'L	3.48	338 ✓
9°15'	32°25'L	3.82	372 ✓
8°50'	31°12'L	4.10	400 ✓
8°10'	29°32'L	4.38	429 ✓
8°00'	28°52'L	4.52	443 ✓

175 ft Contour.

8°40'	30°18'L	4.60	450 ✓
9°00'	31°45'L	4.28	418 ✓
9°30'	33°00'L	3.96	385 ✓
10°20'	34°55'L	3.73	361 ✓
11°00'	37°42'L	3.43	331 ✓
12°10'	41°25'L	3.20	308 ✓
13°00'	48°05'L	2.97	282 ✓
13°30'	58°40'L	2.82	267 ✓
13°15'	63°25'L	2.83	268 ✓

180 ft Contour.

13°15'	59°55'L	2.98	283 ✓
13°50'	53°05'L	3.00	283 ✓
13°15'	47°03'L	3.12	297 ✓
12°30'	42°50'L	3.22	307 ✓
12°00'	39°15'L	3.50	335 ✓
10°50'	36°37'L	3.72	359 ✓
10°30'	34°55'L	4.00	387 ✓
9°45'	33°20'L	4.30	418 ✓
9°25'	32°05'L	4.60	448 ✓

69.

185 ft. Contour.

10°00'	33°42'L	4.67	453 ✓
10°45'	35°05'L	4.30	415 ✓
11°15'	37°00'L	4.02	387 ✓
12°15'	40°25'L	3.60	344 ✓
13°25'	46°15'L	3.30	312 ✓
14°00'	53°35'L	3.15	297 ✓
14°00'	61°00'L	3.16	298 ✓

190 ft. Contour.

14°20'	68°35'L	3.40	319 ✓
14°20'	55°25'L	3.30	309 ✓
14°10'	49°20'L	3.42	322 ✓
13°05'	43°40'L	3.67	348 ✓
12°00'	39°42'L	3.90	373 ✓
11°40'	38°05'L	4.18	401 ✓
10°45'	35°56'L	4.50	434 ✓

△ Pt. on 8th St range line at
□ 2 right
→ □ 2.75

195 ft. Contour.

1°45'	84°42'R	4.75 *	475 ✓
2°00'	78°40'R	4.57	457 ✓
3°00'	74°15'R	4.04	404 ✓
3°50'	71°20'R	3.63	363 ✓
4°00'	69°40'R	3.25	325 ✓
4°15'	68°42'R	2.86	286 ✓
5°00'	66°43'R	2.43	241 ✓
6°00'	64°56'R	1.98	196 ✓
7°00'	62°40'R	1.69	167 ✓
8°20'	56°52'R	1.40	137 ✓
9°45'	43°25'R	1.20	117 ✓
10°00'	24°10'R	1.23	119 ✓
14°30'	12°05'R	1.33	126 ✓

200 ft Contour

8°50'	10°22'R	1.18	115 ✓
8°30'	26°07'R	1.04	102 ✓
8°30'	41°05'R	0.96	94 ✓
8°30'	58°35'R	1.17	115 ✓
8°10'	65°18'R	1.43	141 ✓
5°40'	68°22'R	1.78	176 ✓
4°40'	70°15'R	2.13	213 ✓
4°00'	70°55'R	2.50	250 ✓
3°45'	71°38'R	2.88	288 ✓
3°00'	72°25'R	3.20	320 ✓
2°45'	74°35'R	3.67	367 ✓
2°15'	77°08'R	4.08	408 ✓
2°00'	80°18'R	4.45	445 ✓
1°45'	85°05'R	4.70	470 ✓

205 ft Contour

1°35'	84°40'R	4.40	440 ✓
1°30'	80°42'R	4.16	416 ✓
1°35'	78°25'R	3.90	390 ✓
1°45'	75°30'R	3.46	346 ✓
2°00'	74°12'R	3.05	305 ✓
3°00'	74°30'R	2.60	260 ✓
3°00'	73°45'R	2.20	220 ✓
3°00'	74°38'R	1.74	174 ✓
4°30'	74°12'R	1.42	142 ✓
5°30'	70°06'R	1.07	106 ✓
5°30'	56°50'R	0.86	86 ✓
7°40'	43°55'R	0.77	76 ✓
7°30'	20°30'R	0.90	89 ✓
7°00'	9°00'R	1.00	99 ✓

210 ft Contour

6°00'	1°55'R	0.78	77 ✓
6°30'	29°10'R	0.56	56 ✓
6°30'	62°20'R	0.64	64 ✓

1°00'	79°10'R	0.96	96 ✓
3°30'	80°55'R	1.33	133 ✓
2°15'	80°10'R	1.70	170 ✓
2°00'	79°37'R	2.04	204 ✓
2°00'	77°55'R	2.54	254 ✓
1°30'	78°00'R	2.97	297 ✓
1°30'	79°38'R	3.40	340 ✓
1°15'	83°55'R	3.85	385 ✓

215 ft. Contour.

1°25'	97°30'R	2.05	205 ✓
1°30'	95°12'R	1.68	168 ✓
1°50'	94°45'R	1.34	134 ✓
3°00'	97°50'R	0.95	95 ✓
6°25'	91°30'R	0.57	57 ✓
6°25'	4°15'R	0.35	35 ✓
6°25'	4°30'L	0.63	63 ✓
4°45'	20°13'L	1.00	100 ✓
2°25'	29°00'L	1.20	120 ✓
1°30'	36°22'L	1.50	150 ✓

22 ft. Contour

1°00'	40°40'L	1.44	144 ✓
1°00'	34°40'L	1.13	113 ✓
1°00'	27°22'L	0.78	78 ✓
1°00'	24°30'L	0.43	43 ✓
1°00'	121°50'R	0.09	9 ✓
1°00'	129°30'R	0.48	48 ✓
1°00'	122°00'R	0.80	80 ✓

Δ Pt on Pound Canyon base line at Sta. 31

→ Sta 33+85

210 ft Contour

13°30'	52°00' L	4.17	394 ✓
13°30'	48°48' L	4.27	405 ✓
13°15'	44°45' L	4.26	404 ✓
12°45'	41°23' L	4.47	425 ✓
12°30'	38°40' L	4.60'	439 ✓

205 ft Contour

12°00'	36°42' L	4.53	433 ✓
12°20'	39°52' L	4.32	412 ✓
12°40'	43°30' L	4.10	390 ✓
13°10'	47°55' L	4.08	387 ✓
13°10'	52°50' L	3.95	375 ✓

200 ft. Contour

13°00'	57°03' L	3.78	359 ✓
12°30'	45°38' L	3.86	368 ✓
12°15'	41°35' L	4.00	382 ✓
11°45'	37°00' L	4.17	400 ✓
11°15'	34°20' L	4.50	433 ✓

195 ft Contour

10°40'	33°00' L	4.40	425 ✓
11°15'	35°20' L	4.10	394 ✓
11°50'	38°30' L	4.00	383 ✓
11°50'	41°15' L	3.83	367 ✓
12°15'	45°55' L	3.68	352 ✓
12°30'	49°50' L	3.65	348 ✓

190 ft Contour

15°35'	93°42' L	2.92	271 ✓
15°00'	87°25' L	3.00	280 ✓

13°45'	79°05'L	3.15	297 ✓
13°00'	71°15'L	3.38	321 ✓
12°30'	64°20'L	3.50	334 ✓
12°25'	59°36'L	3.43	327 ✓
12°25'	52°35'L	3.50	334 ✓
12°00'	46°35'L	3.53	338 ✓
11°35'	41°10'L	3.64	349 ✓
11°00'	35°15'L	4.00	386 ✓
10°00'	31°25'L	4.30	417 ✓

185 ft Contour

9°45'	38°00'L	4.22	410 ✓
10°00'	32°22'L	3.93	381 ✓
11°00'	36°30'L	3.73	359 ✓
11°00'	41°33'L	3.50	337 ✓
11°30'	48°34'L	3.38	325 ✓
12°00'	58°45'L	3.32	318 ✓
12°15'	63°38'L	3.28	313 ✓
12°25'	68°45'L	3.24	309 ✓
12°45'	74°00'L	3.16	301 ✓
13°45'	80°32'L	2.96	279 ✓
14°20'	86°48'L	2.80	263 ✓

180 ft Contour

14°20'	87°20'L	2.62	246 ✓
13°35'	82°20'L	2.75	260 ✓
12°30'	75°06'L	2.92	278 ✓
12°10'	69°30'L	3.00	287 ✓
11°50'	65°05'L	3.17	304 ✓
11°30'	60°55'L	3.20	307 ✓
11°30'	55°40'L	3.17	304 ✓
11°30'	50°28'L	3.18	305 ✓
11°00'	44°17'L	3.32	320 ✓
10°30'	38°45'L	3.46	335 ✓
10°30'	34°50'L	3.69	358 ✓
9°40'	31°42'L	3.77	366

9°30′	29°06′L	3.96	385 ✓
9°10′	27°25′L	4.12	402 ✓

175 ft. Contour.

9°40′	25°40′L	4.00	389 ✓
9°15′	28°22′L	3.73	363 ✓
9°35′	32°42′L	3.50	340 ✓
10°10′	38°48′L	3.30	320 ✓
10°35′	44°00′L	3.17	305 ✓
11°30′	50°55′L	3.07	295 ✓
11°00′	56°25′L	3.04	293 ✓
11°30′	63°53′L	3.03	292 ✓
12°00′	70°22′L	2.87	275 ✓
13°00′	78°10′L	2.66	253 ✓
13°55′	84°22′L	2.50	236 ✓

21/9/03 Alvergow
McLaren
Agincola
Lee

170 ft. Contour.

13°20′	86°12′L	2.30	218 ✓
12°40′	78°30′L	2.50	238 ✓
11°50′	71°55′L	2.60	249 ✓
11°15′	65°40′L	2.78	267 ✓
11°00′	62°42′L	2.90	279 ✓
10°30′	56°05′L	2.92	282 ✓
10°30′	52°18′L	2.90	280 ✓
10°30′	45°35′L	2.97	287 ✓
9°50′	39°32′L	3.10	301 ✓
9°25′	32°40′L	3.30	321 ✓
8°55′	27°45′L	3.55	347 ✓
8°10′	24°03′L	3.86	378 ✓
8°00′	22°45′L	4.15	407 ✓

165 ft. Contour.

7°30'	20°45' L	4.06	399 ✓
7°30'	21°15' L	3.80	373 ✓
7°50'	24°18' L	3.50	343 ✓
8°20'	28°13' L	3.30	323 ✓
8°50'	33°45' L	3.12	305 ✓
9°15'	38°52' L	2.97	289 ✓
10°00'	46°49' L	2.80	272 ✓
9°50'	52°12' L	2.77	269 ✓
10°00'	58°16' L	2.76	268 ✓
10°15'	61°02' L	2.77	268 ✓
10°20'	63°35' L	2.72	263 ✓
10°35'	68°23' L	2.52	244 ✓
11°40'	74°25' L	2.42	232 ✓
12°50'	83°50' L	2.18	207 ✓
13°00'	90°15' L	2.17	206 ✓

160 ft. Contour

11°45'	87°10' L	2.04	196 ✓
11°45'	81°06' L	2.10	202 ✓
11°30'	74°55' L	2.25	216 ✓
10°00'	68°10' L	2.38	231 ✓
10°00'	63°48' L	2.50	242 ✓
9°30'	61°30' L	2.60	253 ✓
9°30'	55°40' L	2.64	257 ✓
9°30'	49°30' L	2.63	256 ✓
9°00'	43°52' L	2.70	263 ✓
8°30'	37°07' L	2.88	282 ✓
7°40'	27°03' L	3.19	313 ✓
7°00'	21°15' L	3.51	346 ✓
6°45'	18°35' L	3.92	387 ✓

155 ft Contour

6°00'	16°30' L	3.92	388 ✓
6°00'	17°05' L	3.66	362 ✓

Vertical Horiz. Rod

6°20'	19°30' L	3.38	334
7°00'	24°55' L	3.12	307
7°10'	28°18' L	2.98	293
8°00'	35°15' L	2.80	275
8°00'	40°22' L	2.67	262
8°30'	46°32' L	2.53	247
8°45'	54°08' L	2.48	242
9°00'	58°40' L	2.52	246
8°40'	61°34' L	2.40	235
9°30'	65°15' L	2.28	222
10°00'	70°56' L	2.17	210
10°45'	77°00' L	2.95	285
11°15'	85°35' L	1.93	186

150 ft. Contour

10°15'	85°25' L	1.79	173
9°45'	75°42' L	1.91	186
9°40'	69°10' L	2.08	197
8°10'	61°45' L	2.27	222
8°00'	58°42' L	2.35	231
8°00'	54°32' L	2.30	226
8°00'	46°12' L	2.42	237
7°20'	37°15' L	2.59	255
6°20'	28°22' L	2.85	282
6°00'	20°45' L	3.15	312
5°25'	16°17' L	3.44	341
5°20'	14°30' L	3.78	375
5°20'	14°42' L	4.00	397

145 ft. Contour.

4°30'	13°03' L	3.94	394
4°40'	13°10' L	3.67	367
4°40'	15°25' L	3.35	335
4°50'	18°06' L	3.11	311
5°30'	25°15' L	2.80	277

5°50'	30°10'L	2.63	260 ✓
6°30'	37°24'L	2.46	243 ✓
6°40'	42°07'L	2.34	231 ✓
7°00'	50°54'L	2.22	219 ✓
7°20'	59°10'L	2.20	216 ✓
8°15'	66°10'L	1.93	189 ✓
8°45'	76°00'L	1.76	172 ✓
9°00'	84°38'L	1.66	162 ✓

140 ft. Contour

7°45'	86°00'L	1.53	150 ✓
7°40'	73°30'L	1.63	160 ✓
7°30'	66°37'L	1.75	172 ✓
6°30'	61°27'L	1.90	188 ✓
6°30'	57°25'L	2.00	197 ✓
6°20'	49°35'L	2.10	207 ✓
5°30'	42°08'L	2.20	218 ✓
5°15'	37°55'L	5°30'	428 ✓

5°00'	31°05'L	2.48	246 ✓
4°45'	24°30'L	2.68	268 ✓
4°15'	18°00'L	3.00	300 ✓
4°00'	13°30'L	3.34	334 ✓
3°50'	11°48'L	3.60	360 ✓
3°50'	11°22'L	3.82	382 ✓
3°50'	11°27'L	4.00	400 ✓

135 ft. Contour

3°15'	9°40'L	3.98	398 ✓
3°00'	9°45'L	3.67	367 ✓
3°00'	12°34'L	3.22	322 ✓
3°30'	16°45'L	2.93	293 ✓
3°55'	21°34'L	2.63	263 ✓
4°20'	29°15'L	2.47	247 ✓
4°30'	35°43'L	2.32	232 ✓
4°30'	37°35'L	2.16	216 ✓
4°30'	45°00'L	2.94	294 ✓

5°00'	50°40'L	1.94	193 ✓
6°00'	58°15'L	1.86	184 ✓
6°00'	64°30'L	1.62	160 ✓
6°30'	72°15'L	1.53	151 ✓
6°30'	85°55'L	1.41	139 ✓

△ Pt. on Pound Canyon base line at Sta. 35

→ Sta. 41

135 ft. Contour.

7°30'	103°15'L	1.15	113 ✓
7°25'	93°00'L	1.45	143 ✓
5°00'	90°55'L	1.78	177 ✓
5°00'	89°15'L	2.10	208 ✓
4°30'	86°07'L	2.46	246 ✓
4°25'	83°12'L	2.16	216 ✓
4°30'	80°30'L	1.88	188 ✓
4°35'	76°55'L	1.66	166 ✓
5°00'	68°42'L	1.37	136 ✓
6°00'	57°43'L	1.26	125 ✓
6°00'	45°18'L	1.37	136 ✓
5°10'	35°20'L	1.58	157 ✓
4°20'	26°50'L	1.90	190 ✓
4°15'	23°30'L	2.11	211 ✓
3°50'	19°23'L	2.44	244 ✓

140 ft. Contour.

4°30'	22°10'L	2.51	251 ✓
5°00'	25°28'L	2.23	221 ✓
5°30'	29°00'L	2.04	202 ✓
6°00'	33°32'L	1.84	182 ✓
7°00'	38°08'L	1.67	165 ✓
7°10'	44°17'L	1.50	148 ✓
7°10'	55°30'L	1.42	140 ✓
7°00'	65°45'L	1.47	145 ✓
6°00'	72°48'L	1.70	168 ✓

5°10'	78°48'L	2.05	203 ✓
4°45'	80°18'L	2.38	238 ✓
4°00'	82°45'L	2.70	270 ✓
4°10'	86°04'L	3.00	300 ✓
4°30'	87°12'L	3.18	318 ✓
4°45'	89°30'L	3.60	300 ✓
5°00'	89°22'L	2.58	256 ✓
5°25'	91°30'L	2.20	218 ✓
6°00'	93°32'L	1.90	188 ✓
7°00'	96°10'L	1.63	161 ✓
8°30'	101°50'L	1.34	131 ✓

145 ft. Pontoon

9°45'	103°52'L	1.50	146 ✓
7°50'	97°18'L	1.83	180 ✓
6°00'	93°12'L	2.30	227 ✓
5°35'	91°26'L	2.67	265 ✓
5°15'	90°46'L	2.98	296 ✓

4°45'	89°05'L	3.30	330 ✓
4°20'	86°35'L	4.15	410 ✓
4°15'	85°45'L	3.75	375 ✓
4°20'	85°12'L	3.34	334 ✓
4°25'	83°25'L	3.00	300 ✓
5°30'	80°13'L	2.80	278 ✓
5°30'	80°25'L	2.62	260 ✓
6°15'	77°35'L	2.48	245 ✓
6°15'	77°00'L	2.19	216 ✓
7°45'	72°08'L	1.90	187 ✓
8°00'	63°30'L	1.64	161 ✓
8°30'	51°30'L	1.58	155 ✓
8°00'	41°45'L	1.74	171 ✓
7°00'	34°18'L	1.99	195 ✓
6°30'	30°45'L	2.15	212 ✓
6°15'	27°49'L	2.37	234 ✓
6°00'	25°26'L	2.57	254 ✓

150 ft. Contour.

7°00'	27°50' L	2.70	266 ✓
7°15'	30°26' L	2.40	236 ✓
8°00'	33°50' L	2.22	218 ✓
8°00'	37°38' L	2.00	196 ✓
9°00'	42°40' L	1.85	180 ✓
9°20'	52°45' L	1.70	165 ✓
10°10'	61°25' L	1.77	171 ✓
8°30'	71°06' L	2.05	201 ✓
7°30'	75°22' L	2.28	224 ✓
6°20'	78°00' L	2.60	257 ✓
6°20'	78°40' L	2.90	287 ✓
5°15'	82°30' L	3.15	312 ✓
4°45'	83°45' L	3.53	353 ✓
4°45'	85°05' L	3.97	397 ✓
4°45'	84°35' L	4.40	440 ✓
4°30'	85°00' L	4.85	485 ✓
4°30'	86°25' L	4.53	453 ✓
4°30'	87°30' L	4.34	434 ✓
4°30'	88°52' L	3.96	396 ✓
4°30'	89°45' L	3.76	376 ✓
5°30'	90°55' L	3.55	352 ✓
5°50'	91°50' L	3.30	327 ✓
6°15'	92°45' L	2.87	285 ✓
7°00'	92°00' L	2.54	250 ✓
8°00'	97°10' L	2.12	208 ✓
9°30'	101°00' L	1.82	177 ✓
10°40'	106°15' L	1.58	153 ✓

△ Sta 5+75.4 on line 84°15' L from Sta. 35 of Pound Canyon base line

→ Sta 35

155 ft. Contour

3°45'	9°00' R	4.40	440 ✓
4°00'	8°30' R	4.10	410 ✓
4°30'	8°25' R	3.70	370 ✓

500'	8°35' R	3.40	337
5°00'	9°30' R	3.10	307
5°50'	11°05' R	2.73	270
6°50'	12°15' R	2.32	229
7°30'	13°20' R	2.17	213
8°20'	11°50' R	1.93	189
10°00'	13°00' R	1.60	155
13°00'	10°40' R	1.23	117
15°30'	10°25' R	1.00	93
17°15'	13°30' R	0.86	76
20°00'	0°30' L	0.84	74
24°30'	17°55' L	0.71	59
24°20'	19°45' L	0.70	58
20°30'	25°45' L	0.80	70
17°00'	12°15' L	0.96	88
12°45'	5°28' L	1.24	118
10°00'	2°05' L	1.54	149
8°00'	1°45' L	1.92	188

160 ft. Contour

8°15'	4°30' L	1.88	184
9°30'	5°15' L	1.66	161
11°00'	9°15' L	1.43	138
13°00'	9°13' L	1.26	120
16°20'	18°45' L	0.98	90
16°15'	28°50' L	0.82	76
18°15'	50°10' L	0.75	68
18°00'	76°55' L	0.76	69
22°15'	54°20' L	0.64	55
25°50'	36°00' L	0.55	45
19°00'	0°30' L	0.70	63
16°45'	27°45' R	0.80	73
14°40'	17°50' R	0.93	87
11°45'	14°30' R	1.15	110
9°30'	15°15' R	1.39	135
7°40'	15°40' R	1.66	163
7°00'	14°50' R	1.95	192

95

6°00'	15°50'R	2.20	218
5°45'	13°42'R	2.48	246
5°30'	12°45'R	2.67	265
4°30'	11°18'R	2.96	296
4°20'	10°30'R	3.20	320
4°00'	9°45'R	3.57	357
3°35'	9°40'R	3.87	387
3°15'	10°05'R	4.20	420

165 ft. Contour

3°15'	11°15'R	4.08	408
2°30'	10°52'R	3.80	380
4°00'	11°18'R	3.42	342
4°25'	12°18'R	3.05	305
4°55'	13°55'R	2.67	267
5°30'	15°42'R	2.40	238
5°35'	17°50'R	2.25	223
6°05'	19°12'R	2.10	208

Very steep hillside.

6°45'	18°65'R	1.85	183
8°00'	17°30'R	1.63	160
8°00'	18°40'R	1.40	137
9°40'	21°30'R	1.02	99
12°30'	31°00'R	0.80	76
13°45'	39°37'R	0.71	67
17°00'	15°06'R	0.60	55
20°15'	14°50'L	0.50	44
22°00'	58°15'L	0.45	39
16°45'	84°38'L	0.62	57
13°00'	101°15'L	0.77	73
10°35'	113°45'L	1.04	101
10°50'	105°00'L	0.94	91
12°50'	81°35'L	0.80	76
13°00'	61°35'L	0.80	76
12°45'	47°40'L	0.78	74
11°00'	27°55'L	0.93	90
9°00'	16°07'L	1.15	112

8°40′	11°30′L	1.42	139 ✓
6°30′	8°30′L	1.67	165 ✓
6°25′	7°30′L	1.77	175 ✓

170 ft. Contour

6°25′	10°15′L	1.73	171 ✓
6°30′	12°30′L	1.53	151 ✓
6°50′	14°20′L	1.46	144 ✓
7°45′	15°38′L	1.31	129 ✓
9°30′	24°05′L	1.08	105 ✓
10°30′	36°30′L	0.95	92 ✓
12°00′	51°30′L	0.83	80 ✓
11°45′	68°40′L	0.84	81 ✓
11°15′	82°35′L	0.87	84 ✓
10°15′	101°22′L	1.01	98 ✓
5°35′	119°00′L	1.24	123 ✓
4°00′	125°30′L	1.34	134 ✓
6°20′	123°10′L	1.13	111 ✓

9°15′	112°30′L	0.76	75 ✓
12°50′	100°30′L	0.55	52 ✓
20°00′	70°45′L	0.40	35 ✓
26°00′	29°45′L	0.38	33 ✓
18°00′	11°35′R	0.42	38 ✓
11°00′	49°00′R	0.59	57 ✓
11°00′	56°10′R	0.63	60 ✓
10°45′	41°10′R	0.80	77 ✓
8°30′	28°35′R	0.99	97 ✓
7°00′	24°55′R	1.13	111 ✓
6°30′	21°25′R	1.42	140 ✓
5°15′	21°15′R	1.65	164 ✓
4°30′	22°05′R	1.94	194 ✓
3°45′	22°15′R	2.14	214 ✓
3°30′	18°38′R	2.34	234 ✓
3°15′	15°42′R	2.63	263 ✓
2°30′	13°45′R	3.00	300 ✓
2°30′	13°00′R	3.23	323 ✓

2°20'	12°35' R	3.57	357 ✓
2°20'	12°33' R	3.87	387 ✓

2/20/03 Alverson
McLaren
Anguisola
Luce

△ Pt on Pound Canyon base line at Sta. 33+85.

→ Sta. 41

220 ft Contour.

11°30'	50°45' L	5.33	512 ✓
11°35'	47°27' L	5.30	509 ✓
11°30'	44°17' L	5.35	514 ✓

215 ft Contour.

11°30'	42°40' L	5.14	494 ✓
11°45'	45°42' L	4.93	474 ✓
11°30'	50°00' L	4.92	472 ✓

210 ft Contour.

11°25'	50°18' L	4.76	457 ✓
11°30'	47°00' L	4.70	451 ✓
11°30'	43°15' L	4.77	458 ✓

△ Pt on Pound Canyon base line at Sta. 35

→ Sta. 41

205 ft Contour.

11°15'	70°55' L	4.70	452 ✓
11°45'	69°30' L	4.36	418 ✓
12°00'	67°30' L	4.17	399 ✓
12°30'	63°45' L	3.97	378 ✓
13°00'	60°32' L	3.87	367 ✓
13°30'	55°55' L	3.85	365 ✓
13°30'	51°06' L	3.98	376 ✓

200 ft. Contour

13°30′	49°36′L	3.70	350
13°45′	52°20′L	3.60	340
13°40′	59°30′L	3.64	344
12°45′	62°00′L	3.73	355
12°10′	64°40′L	3.87	370
11°30′	69°00′L	4.08	392
11°00′	71°30′L	4.38	422
10°25′	72°55′L	4.75	460

195 ft. Contour

9°30′	74°30′L	4.83	470
10°00′	73°25′L	4.44	431
10°45′	70°48′L	4.04	390
11°45′	65°42′L	3.77	361
13°10′	59°37′L	3.53	335
13°40′	55°15′L	3.38	319
13°20′	49°00′L	3.44	326
13°15′	46°12′L	3.60	341

190 ft. Contour

12°50′	44°35′L	3.44	327
13°10′	46°52′L	3.28	311
13°45′	52°00′L	3.13	295
13°25′	57°20′L	3.20	303
12°30′	62°12′L	3.43	327
11°40′	67°10′L	3.66	351
10°40′	71°12′L	3.90	377
9°35′	74°00′L	4.30	408
9°00′	75°38′L	4.64	453

185 ft. Contour

8°30′	76°35′L	4.60	450
9°30′	74°43′L	4.08	397
10°30′	71°20′L	3.65	353
11°45′	66°25′L	3.40	326

13°00'	61°40'L.	3.12	296	✓
13°25'	57°20'L.	2.90	274	✓
13°40'	49°40'L.	2.87	271	✓
12°45'	44°38'L.	3.08	293	✓
12°00'	41°45'L.	3.33	319	

180 ft. Contour

11°30'	40°00'L.	3.20	307	✓
12°20'	43°18'L.	2.91	278	✓
13°00'	48°08'L.	2.71	257	✓
13°15'	54°28'L.	2.67	253	✓
12°25'	62°50'L.	2.85	272	✓
11°30'	66°30'L.	3.10	299	✓
10°30'	69°30'L.	3.34	323	✓
9°45'	72°55'L.	3.63	353	✓
9°00'	75°10'L.	3.87	378	✓
8°30'	76°43'L.	4.12	403	✓
8°15'	77°22'L.	4.59	448	✓

175 ft. Contour

7°40'	78°40'L.	4.70	462	✓
8°00'	78°34'L.	4.20	412	✓
8°40'	76°30'L.	3.78	369	✓
9°0'	74°22'L.	3.47	338	✓
10°00'	71°37'L.	3.20	310	✓
10°40'	68°50'L.	2.98	288	✓
12°10'	63°10'L.	2.64	252	✓
12°50'	52°38'L.	2.47	235	✓
12°50'	46°30'L.	2.58	246	✓
11°30'	40°00'L.	2.87	276	✓
10°45'	37°38'L.	3.05	294	✓

170 ft. Contour.

7°30'	78°45'L.	3.87	381	✓
8°35'	77°05'L.	3.60	352	✓
8°55'	74°25'L.	3.20	312	✓
10°15'	70°00'L.	2.86	277	✓

1.05

Vertical Horiz. Rod

11°15'	65°25'L.	2.58	248	✓
12°25'	57°00'L.	2.36	225	✓
12°30'	47°48'L.	2.38	227	✓
11°30'	41°07'L.	2.61	251	✓
10°30'	37°04'L.	2.84	275	✓
10°00'	36°00'L.	2.93	284	✓

165 ft. Contour

9°10'	33°45'L.	2.88	282	✓
10°00'	36°53'L.	2.66	258	✓
11°50'	44°45'L.	2.26	216	✓
11°45'	52°27'L.	2.12	203	✓
11°30'	60°48'L.	2.20	211	✓
10°15'	69°25'L.	2.60	252	✓
9°10'	73°00'L.	2.85	278	✓
8°45'	74°05'L.	3.07	308	✓
8°20'	76°48'L.	3.21	314	✓
7°30'	79°05'L.	3.62	356	✓
6°40'	80°30'L.	3.90	385	✓

160 ft. Contour.

6°00'	81°23'L.	3.80	376	✓
6°30'	80°25'L.	3.50	345	✓
8°00'	78°25'L.	3.32	326	✓
7°20'	78°00'L.	3.10	305	✓
8°35'	75°22'L.	3.00	293	✓
8°15'	75°00'L.	2.75	269	✓
9°50'	71°00'L.	2.45	235	✓
10°30'	66°00'L.	2.20	213	✓
11°45'	57°35'L.	2.00	192	✓
11°00'	48°10'L.	1.98	191	✓
10°30'	40°30'L.	2.28	220	✓
9°15'	37°00'L.	2.42	234	✓
8°30'	33°35'L.	2.68	262	✓
8°15'	32°03'L.	2.78	272	✓

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155 ft Contour.

7°50'	30°18' L.	2.72	267 ✓
8°45'	34°42' L.	2.40	234 ✓
9°50'	40°43' L.	2.05	200 ✓
11°15'	50°15' L.	1.87	180 ✓
10°15'	61°43' L.	1.91	185 ✓
9°30'	68°47' L.	2.13	207 ✓
8°30'	73°42' L.	2.34	229 ✓
7°40'	75°30' L.	2.63	276 ✓
7°30'	76°45' L.	2.85	280 ✓
6°30'	79°22' L.	3.00	296 ✓
6°00'	81°30' L.	3.49	343 ✓
5°15'	83°00' L.	3.80	377 ✓

△ Pt. on Pound Canyon base line at Sta. 38

→ Sta. 41.

135 ft. Contour.

1°00'	114°43' L.	0.91	91 ✓
1°45'	97°48' L.	0.89	89 ✓
0°30'	77°00' L.	1.01	101 ✓
6°00'	63°37' L.	1.27	126 ✓
3°50'	61°00' L.	1.60	160 ✓
6°00'	56°35' L.	1.68	166 ✓
3°00'	45°15' L.	1.77	177 ✓
3°30'	38°45' L.	2.02	202 ✓
3°00'	35°15' L.	2.26	226 ✓
3°00'	28°45' L.	2.52	252 ✓
3°00'	26°00' L.	2.80	280 ✓
3°00'	26°48' L.	3.13	313 ✓

109

140 ft. Contour

3°45'	28°00' L	3.16	345	✓
3°45'	29°30' L	2.66	266	✓
4°00'	34°15' L	2.35	235	✓
4°40'	43°36' L	2.07	207	✓
5°00'	52°00' L	1.90	189	✓
6°45'	62°23' L	1.70	168	✓
8°20'	75°18' L	1.27	124	✓
8°55'	85°41' L	1.13	110	✓
9°30'	106°35' L	1.05	102	✓

145 ft. Contour.

11°05'	106°50' L	1.21	116	✓
10°00'	90°45' L	1.24	120	✓
9°30'	81°35' L	1.34	130	✓
9°00'	75°32' L	1.52	148	✓
8°50'	70°35' L	1.75	171	✓
7°15'	68°30' L	1.94	191	✓

110

7°10'	66°20' L	2.08	205	✓
7°10'	60°45' L	2.10	207	✓
6°15'	55°20' L	2.10	208	✓
5°10'	46°50' L	2.18	216	✓
5°15'	39°25' L	2.40	238	✓
4°40'	34°05' L	2.60	260	✓
4°25'	30°22' L	2.85	285	✓
4°00'	29°35' L	3.23	323	✓

150 ft. Contour

5°10'	32°00' L	3.30	327	✓
5°30'	33°25' L	2.96	294	✓
5°30'	37°25' L	2.70	268	✓
6°10'	44°55' L	2.47	243	✓
6°25'	50°40' L	2.30	227	✓
7°00'	57°30' L	2.27	224	✓
7°00'	65°30' L	2.37	234	✓
7°30'	69°20' L	2.38	234	✓

8°25'	72°15'L	2.07	203	✓
9°00'	75°06'L	1.85	180	✓
11°00'	83°25'L	1.53	147	✓
11°50'	97°20'L	1.38	132	✓
12°00'	109°35'L	1.37	131	✓

155 ft. Contour.

12°15'	109°18'L	1.50	143	✓
12°30'	100°20'L	1.50	143	✓
11°30'	86°00'L	1.68	160	✓
10°30'	81°07'L	1.88	182	✓
9°30'	77°25'L	1.94	189	✓
9°25'	74°50'L	2.32	226	✓
8°30'	73°05'L	2.60	263	✓
7°45'	70°00'L	2.75	270	✓
7°40'	62°48'L	2.56	251	✓
7°25'	54°00'L	2.48	246	✓
7°25'	48°00'L	2.56	252	✓

6°25'	41°38'L	2.72	269	✓
6°20'	38°00'L	2.94	290	✓
6°15'	36°55'L	3.08	304	✓
6°15'	34°55'L	3.40	336	✓

160 ft Contour

6°40'	37°43'L	3.43	338	✓
6°55'	39°50'L	3.17	312	✓
7°45'	45°00'L	2.83	278	✓
7°55'	53°15'L	2.66	261	✓
8°00'	65°00'L	2.70	265	✓
7°55'	67°35'L	2.85	280	✓
7°50'	70°06'L	2.98	292	✓
8°45'	73°35'L	2.83	278	✓
9°30'	75°52'L	2.62	255	✓
10°00'	78°25'L	2.38	231	✓
12°20'	84°40'L	2.00	191	✓
13°00'	89°30'L	1.76	168	✓

12°50′	97°38′L	1.66	158	✓
13°30′	103°22′L	1.67	158	✓

165 ft. Contour

13°30′	102°52′L	1.75	165	✓
13°45′	95°20′L	1.78	168	✓
12°35′	89°00′L	2.08	198	✓
11°45′	84°00′L	2.19	210	✓
10°35′	80°20′L	2.44	236	✓
9°35′	76°40′L	2.75	267	✓
8°35′	73°18′L	3.13	306	✓
8°00′	71°10′L	3.30	324	✓
8°20′	66°40′L	3.10	304	✓
8°30′	61°12′L	2.83	278	✓
8°45′	54°40′L	2.77	271	✓
8°15′	48°00′L	2.88	282	✓
8°15′	44°30′L	3.08	302	✓
7°25′	41°55′L	3.26	321	✓

7°00′	40°00′L	3°50′	345	✓

170 ft. Contour

8°00′	45°00′L	3.60	353	✓
8°25′	45°50′L	3.34	327	✓
9°00′	47°25′L	3.16	309	✓
9°10′	52°07′L	2.98	290	✓
9°10′	60°20′L	2.96	288	✓
9°00′	64°08′L	3.17	309	✓
8°25′	67°35′L	3.42	335	✓
8°10′	70°26′L	3.54	347	✓
8°30′	72°42′L	3.40	333	✓
9°40′	75°25′L	3.15	306	✓
10°00′	77°57′L	3.05	296	✓
10°50′	80°35′L	2.74	264	✓
12°15′	84°35′L	2.43	232	✓
13°30′	89°34′L	2.17	205	✓
14°30′	97°10′L	2.00	187	✓

115.

15°00'	104°24'L	1.90	177	✓

175 ft. Contour

15°10'	100°10'L	2.10	196	✓
14°10'	92°00'L	2.28	208	✓
13°05'	88°10'L	2.42	230	✓
12.30	85°37'L	2.67	255	✓
11°20'	81°30'L	2.90	279	✓
10°45'	79°10'L	3.10	299	✓
10°00'	77°00'L	3.18	308	✓
9°30'	74°50'L	3.45	336	✓
8°20'	69°35'L	3.80	372	✓
8°30'	68°00'L	3.71	363	✓
9°00'	64°30'L	3.42	334	✓
9°30'	60°15'L	3.14	306	✓
9°35'	53°15'L	3.12	303	✓
9°20'	48°55'L	3.28	320	✓
8°15'	43°15'L	3.68	360	✓

180 ft Contour

9°10'	45°05'L	3.80	370	✓
9°30'	48°42'L	3.50	341	✓
10°10'	54°45'L	3.32	322	✓
9°30'	61°36'L	3.44	335	✓
9°10'	65°24'L	3.80	370	✓
8°50'	67°30'L	4.00	391	✓
9°00'	71°55'L	3.92	382	✓
9°40'	74°20'L	3.70	361	✓
10°30'	78°20'L	3.28	317	✓
11°35'	81°40'L	3.20	307	✓
12°20'	85°12'L	2.77	264	✓
13°45'	90°00'L	2.50	236	✓
14°50'	94°45'L	2.40	224	✓
15°10'	98°56'L	2.30	214	✓

185 ft Contour

15°15'	97°38'L	2.50	233	✓

14°00'	89°30'L	2.80	264	✓
12°45'	84°55'L	3.03	288	✓
11°30'	82°20'L	3.20	307	✓
11°00'	78°50'L	3.60	347	✓
9°50'	75°20'L	3.78	367	✓
9°50'	73°20'L	3.95	384	✓
9°15'	71°40'L	4.10	399	✓
9°45'	69°00'L	4.37	425	✓
9°05'	65°50'L	4.10	400	✓
10°00'	62°45'L	3.87	375	✓
10°15'	58°00'L	3.58	347	✓
10°15'	52°22'L	3.58	347	✓
9°25'	46°30'L	3.88	368	✓

190 ft Contour

10°00'	48°00'L	4.07	395	✓
10°15'	51°45'L	3.87	375	✓
10°30'	56°30'L	3.78	365	✓

10°00'	61°48'L	4.12	400	✓
9°15'	65°50'L	4.50	437	✓
8°45'	68°30'L	4.64	453	✓
9°30'	71°30'L	4.33	421	✓
10°00'	74°40'L	4.07	395	✓
10°35'	78°10'L	3.80	367	✓
11°30'	80°45'L	3.67	352	✓
12°00'	83°42'L	3.34	320	✓
13°20'	88°00'L	3.05	288	✓
15°00'	96°38'L	2.73	255	✓

195 ft Contour

15°25'	98°12'L	2.93	272	✓
14°30'	91°50'L	3.10	291	✓
13°30'	86°50'L	3.40	321	✓
12°30'	83°22'L	3.63	346	✓
11°00'	79°05'L	3.96	382	✓
10°00'	74°55'L	4.30	417	✓

9°30′	72°00′L	4.60	448	✓
9°00′	68°10′L	4.97	482	✓
9°30′	64°42′L	4.75	462	✓
10°10′	61°30′L	4.33	420	✓
10°35′	55°37′L	4.00	387	✓
10°30′	50°40′L	4.20	406	✓

200 ft. Contour

10°35′	50°38′L	4.43	428	✓
10°45′	55°35′L	4.26	411	✓
10°30′	60°20′L	4.55	440	✓
9°40′	64°00′L	4.94	480	✓
9°00′	67°30′L	5.30	517	✓
9°30′	70°48′L	4.88	475	✓
10°10′	74°40′L	4.50	436	✓
11°00′	78°20′L	4.24	412	✓
12°00′	83°10′L	3.92	375	✓
13°30′	86°45′L	3.58	339	✓

15°00′	92°55′L	3.18	297	✓
15°30′	98°25′L	3.08	286	✓

7/21/03 Alverson
McLaren
Angineola
Luce

△ Pt. on Round Canyon base line at Sta. 41
→ Sta. 48.

135-ft. Contour

0°15′	46°40′L	1.53	153	✓
0°15′	37°30′L	1.80	180	✓
0°15′	29°37′L	2.02	202	✓
0°30′	26°40′L	2.53	253	✓
0°30′	21°08′L	2.70	270	✓
0°30′	16°35′L	2.94	294	✓
0°30′	11°45′L	3.10	310	✓
0°30′	11°52′L	3.38	338	✓

Vertical Horiz. Rod

0°30'	10°30'L	3.64	364	✓
0°30'	9°55'L	3.83	383	✓
0°15'	8°05'L	4.17	417	✓
0°15'	7°26'L	4.47	447	✓
0°15'	7°20'L	4.80	480	✓
0°15'	6°50'L	5.00	500	✓

140 ft Contour

1°00'	8°12'L	5.00	500	✓
1°00'	8°33'L	4.75	475	✓
1°00'	8°25'L	4.34	434	✓
1°00'	9°48'L	4.00	400	✓
1°00'	10°50'L	3.75	375	✓
1°00'	12°30'L	3.50	350	✓
1°00'	14°00'L	3.22	322	✓
1°00'	19°56'L	2.95	295	✓
1°00'	22°20'L	2.74	274	✓
1°00'	27°25'L	2.57	257	✓
1°30'	30°18'L	2.32	232	✓
1°30'	36°12'L	2.03	203	✓
1°30'	45°40'L	1.71	171	✓
1°30'	51°08'L	1.58	158	✓

145 ft Contour

2°30'	52°45'L	1.70	170	✓
2°30'	44°45'L	1.93	193	✓
2°30'	37°45'L	2.20	220	✓
2°20'	33°20'L	2.38	238	✓
2°15'	25°12'L	2.73	273	✓
2°00'	19°55'L	2.95	295	✓
2°00'	16°30'L	3.27	327	✓
2°00'	14°18'L	3.60	360	✓
1°40'	11°30'L	3.90	390	✓
1°30'	9°50'L	4.10	410	✓
1°15'	9°50'L	4.43	443	✓

1°30'	9°15' L	4.75	475	✓

150 ft. Contour.

2°15'	10°45' L	4.73	473	✓
2°10'	10°15' L	4.42	442	✓
2°15'	12°18' L	4.10	410	✓
2°30'	14°42' L	3.78	378	✓
2°35'	17°30' L	3.46	346	✓
2°45'	20°05' L	3.22	322	✓
3°10'	25°05' L	2.94	294	✓
3°00'	29°45' L	2.73	273	✓
3°25'	35°15' L	2.50	250	✓
3°40'	40°15' L	2.27	227	✓
4°00'	47°07' L	2.03	203	✓
4°00'	52°48' L	1.87	187	✓

155 ft. Contour.

5°30'	53°30' L	2.03	202	✓
5°30'	47°15' L	2.22	221	✓
5°00'	39°30' L	2.46	245	✓
4°10'	33°55' L	2.70	270	✓
4°00'	29°45' L	2.93	293	✓
3°30'	25°50' L	3.13	313	✓
3°30'	21°22' L	3.43	343	✓
3°00'	17°42' L	3.68	368	✓
3°00'	15°13' L	4.00	400	✓
3°00'	13°30' L	4.26	426	✓
2°30'	12°10' L	4.57	457	✓
2°30'	11°52' L	4.74	474	✓

160 ft. Contour.

3°30'	13°15' L	4.73	473	✓
3°30'	14°30' L	4.47	447	✓
3°30'	15°48' L	4.17	417	✓
3°45'	17°18' L	4.04	404	✓
3°50'	19°52' L	3.78	378	✓

4°15'	22°50'L	3.56	356	✓
4°20'	26°15'L	3.32	332	✓
4°30'	32°08'L	3.01	301	✓
5°00'	35°25'L	2.83	281	✓
5°30'	39°00'L	2.67	265	✓
5°30'	45°00'L	2.42	240	✓
6°00'	52°25'L	2.20	218	✓

165 ft Contour

7°45'	56°00'L	2.30	226	✓
6°45'	48°00'L	2.48	245	✓
6°30'	43°20'L	2.63	260	✓
6°15'	37°55'L	2.87	284	✓
5°40'	34°05'L	3.07	304	✓
5°15'	28°50'L	3.37	334	✓
4°40'	24°36'L	3.67	367	✓
4°30'	21°30'L	3.87	387	✓
4°30'	18°55'L	4.11	411	✓

4°00'	16°00'L	4.46	446	✓
4°00'	14°40'L	4.73	473	✓

170 ft Contour

4°20'	16°10'L	4.77	477	✓
4°30'	17°30'L	4.60	460	✓
5°00'	19°55'L	4.26	426	✓
5°00'	22°45'L	3.98	395	✓
5°30'	26°30'L	3.70	367	✓
6°00'	31°40'L	3.36	332	✓
6°45'	36°38'L	3.10	306	✓
7°20'	42°15'L	2.86	281	✓
7°50'	48°50'L	2.60	255	✓
7°50'	53°55'L	2.48	243	✓

175 ft Contour

8°55'	54°20'L	2.63	257	✓
8°15'	46°25'L	2.83	277	✓

7°30′	40°55′L	3.00	295	✓
7°00′	35°00′L	3.33	328	✓
6°40′	30°09′L	3.64	360	✓
6°00′	25°55′L	3.96	392	✓
5°35′	23°42′L	4.16	412	✓
5°30′	21°45′L	4.25	421	✓
5°00′	18°15′L	4.73	470	✓
4°55′	17°40′L	4.80	480.	✓

180 ft Contour

5°30′	19°10′L	4.84	479	✓
5°45′	21°12′L	4.50	445	✓
6°00′	24°45′L	4.27	422	✓
6°30′	27°50′L	3.96	391	✓
7°15′	33°10′L	3.60	354	✓
7°30′	36°00′L	3.41	335	✓
8°05′	40°25′L	3.18	312	✓
9°00′	47°25′L	2.92	285	✓
9°30′	55°55′L	2.78	270	✓

185 ft. Contour

9°50′	53°42′L	2.90	283	✓
9°30′	47°15′L	3.04	296	✓
8°45′	40°55′L	3.32	324	✓
8°15′	37°08′L	3.50	343	✓
7°25′	31°12′L	3.90	384	✓
6°55′	26°30′L	4.26	420	✓
6°25′	21°25′L	4.75	469	✓
6°10′	20°30′L	4.93	487	✓

190 ft. Contour.

6°15′	21°00′L	5.13	507	✓
7°00′	25°20′L	4.83	475	✓
7°30′	27°15′L	4.40	432	✓
7°50′	31°10′L	4.04	397	✓
8°30′	35°00′L	3.80	372	✓

9°10′	38°36′L	3.66	357	✓
9°40′	44°03′L	3.33	324	✓
10°15′	50°35′L	3.10	300	✓
10°25′	54°10′L	3.06	296	✓

195 ft. Contour

10°50′	57°38′L	3.22	311	✓
10°10′	46°10′L	3.38	327	✓
9°40′	40°30′L	3.60	350	✓
9°00′	35°20′L	3.95	385	✓
8°25′	31°45′L	4.17	408	✓
7°50′	29°08′L	4.40	432	✓
7°30′	26°15′L	4.67	454	✓
7°15′	24°10′L	4.90	482	✓
6°55′	21°45′L	5.22	515	✓

200 ft. Contour

7°15′	22°42′L	5.32	524	✓

7°30′	24°46′L	5.00	492	✓
8°15′	29°00′L	4.58	450	✓
9°00′	32°45′L	4.30	420	✓
9°10′	35°25′L	4.07	397	✓
10°00′	41°10′L	3.76	365	✓
10°50′	47°08′L	3.57	344	✓
11°20′	51°25′L	3.42	328	✓
11°15′	53°18′L	3.40	327	✓

205 ft. Contour

11°20′	50°40′L	3.66	352	✓
10°45′	43°45′L	3.83	370	✓
10°25′	39°12′L	4.08	395	✓
9°45′	35°48′L	4.20	408	✓
9°00′	32°45′L	4.45	434	✓
8°30′	29°27′L	4.72	462	✓
8°10′	26°00′L	5.08	498	✓
7°30′	23°30′L	5.44	535	✓

210 ft. Contour

8°00'	24°30' L	5.58	547	✓
8°20'	25°30' L	5.36	525	✓
8°45'	27°30' L	5.20	508	✓
8°55'	29°33' L	4.93	481	✓
9°20'	30°45' L	4.76	464	✓
9°35'	33°10' L	4.63	459	✓
10°00'	35°55' L	4.46	433	✓
10°30'	39°38' L	4.23	409	✓
10°50'	42°45' L	3.97	384	✓
11°30'	48°25' L	3.96	380	✓
11°45'	55°55' L	3.93	377	✓

215 ft. Contour

11°30'	48°04' L	4.20	403	✓
11°00'	41°25' L	4.32	416	✓
10°40'	37°40' L	4.60	444	✓
10°15'	34°30' L	4.77	462	✓
9°50'	31°25' L	4.86	473	✓
9°20'	29°18' L	5.17	503	✓
8°30'	26°00' L	5.54	542	✓

220 ft. Contour

9°00'	27°00' L	5.63	549	✓
9°20'	28°45' L	5.50	536	✓
9°45'	31°00' L	5.25	510	✓
10°25'	33°38' L	5.04	488	✓
10°40'	36°25' L	4.86	469	✓
11°00'	38°53' L	4.70	453	✓
11°20'	42°45' L	4.58	440	✓

225 ft. Contour

11°00'	38°18' L	4.94	476	✓
10°30'	34°00' L	5.23	506	✓
10°00'	30°40' L	5.60	543	✓
9°20'	28°10' L	5.86	571	✓

230 ft. Contour

0°15'	29°12'L	6.00	583	✓
0°30'	30°30'L	5.77	560	✓
10°45'	34°40'L	5.37	518	✓
11°00'	37°35'L	5.20	501	✓

△ Pt. on Pound Canyon base line at Sta. 48

→ Sta. 41

135 ft Contour.

0°45'	20°15'R	2.04	204	✓
0°15'	26°00'R	1.84	184	✓
0°15'	23°35'R	1.60	160	✓
0°15'	18°55'R	1.48	148	✓
0°15'	21°35'R	1.09	109	✓
0°15'	26°00'R	0.69	69	✓
0°15'	7°10'R	0.47	47	✓

140 ft. Contour

0°15'	135°25'R	0.49	49	✓
0°15'	101°30'R	0.50	50	✓
0°15'	67°00'R	0.60	60	✓
0°15'	50°45'R	0.73	73	✓
0°15'	47°04'R	0.90	90	✓
0°15'	35°15'R	1.04	104	✓
0°15'	29°45'R	1.34	134	✓
0°15'	24°30'R	1.58	158	✓
0°15'	26°55'R	1.80	180	✓
0°15'	24°25'R	1.97	197	✓

145 ft. Contour.

2°00'	24°00'R	2.13	213	✓
3°00'	26°40'R	2.03	203	✓
3°00'	27°50'R	1.74	174	✓
2°35'	30°00'R	1.59	159	✓
2°35'	35°48'R	1.40	140	✓

135

2°30′	43°20′R	1.12	112	✓
2°10′	53°30′R	0.88	88	✓
3°00′	74°45′R	0.74	74	✓
2°30′	91°55′R	0.78	78	✓
3°45′	102°30′R	0.91	91	✓
3°30′	115°10′R	0.94	94	✓
3°30′	130°05′R	1.13	113	✓

150 Cartown

4°20′	129°20′R	1.36	136	✓
4°40′	120°00′R	1.38	138	✓
4°20′	108°35′R	1.37	137	✓
5°00′	98°30′R	1.17	116	✓
5°40′	92°06′R	0.97	96	✓
6°30′	74°45′R	0.87	86	✓
5°30′	56°00′R	1.04	103	✓
5°20′	45°00′R	1.31	130	✓
4°30′	40°00′R	1.50	150	✓

136

4°15′	33°10′R	1.68	168	✓
4°00′	30°30′R	1.95	195	✓
3°50′	25°45′R	2.13	213	✓
3°50′	25°15′R	2.17	217	✓

155 ft. Cartown

4°15′	26°55′R	2.30	230	✓
4°50′	32°12′R	2.10	210	✓
5°40′	30°22′R	1.96	194	✓
5°20′	37°00′R	1.83	181	✓
6°30′	43°40′R	1.58	156	✓
6°20′	50°04′R	1.38	136	✓
7°15′	52°45′R	1.18	116	✓
8°50′	70°15′R	1.05	103	✓
8°30′	81°45′R	1.08	106	✓
8°35′	94°15′R	1.30	128	✓
6°00′	97°40′R	1.57	155	✓
6°00′	102°55′R	1.88	186	✓

137

5°00'	110°30'R	1.73	172	✓
5°35'	117°38'R	1.62	160	✓
6°10'	128°12'R	1.60	158	✓

160 ft. Contour

6°30'	128°20'R	1.84	181	✓
6°45'	119°50'R	1.83	180	✓
6°30'	112°15'R	1.97	194	✓
5°30'	107°00'R	2.18	216	✓
5°40'	104°25'R	2.19	217	✓
6°00'	101°12'R	2.10	208	✓
6°45'	99°35'R	1.86	183	✓
7°45'	96°10'R	1.62	159	✓
8°00'	93°00'R	1.47	144	✓
9°00'	85°06'R	1.27	124	✓
9°40'	68°00'R	1.22	119	✓
8°25'	54°50'R	1.39	136	✓
7°40'	50°00'R	1.53	150	✓

7°45'	46°25'R	1.69	166	✓
6°10'	41°45'R	1.88	186	✓
5°30'	34°36'R	2.13	211	✓
5°30'	29°50'R	2.33	231	✓
5°15'	26°55'R	2.43	241	✓

165 ft. Contour.

6°25'	30°00'R	2.50	247	✓
7°00'	34°25'R	2.29	226	✓
8°00'	41°25'R	2.08	204	✓
8°40'	45°05'R	1.98	194	✓
9°30'	50°00'R	1.72	167	✓
10°35'	56°00'R	1.55	150	✓
10°45'	67°12'R	1.38	133	✓
10°00'	84°25'R	1.49	144	✓
9°30'	93°00'R	1.67	162	✓
7°40'	97°15'R	2.00	196	✓
4°15'	101°05'R	2.46	242	✓

5°45'	104°30'R	2.60	257	✓
7°00'	110°12'R	2.34	231	✓
8°00'	117°15'R	2.08	204	✓
7°50'	129°15'R	2.04	200	✓

170 ft. Contour

8°30'	129°12'R	2.30	225	✓
8°25'	121°55'R	2.26	221	✓
8°10'	116°20'R	2.39	234	✓
7°30'	111°25'R	2.64	260	✓
6°30'	109°00'R	2.97	293	✓
6°30'	105°22'R	3.05	301	✓
7°00'	102°00'R	2.88	284	✓
7°25'	98°15'R	2.48	244	✓
9°00'	94°36'R	2.10	205	✓
11°00'	91°10'R	1.90	183	✓
10°35'	84°18'R	1.65	159	✓
11°30'	69°40'R	1.54	148	✓

11°15'	55°00'R	1.74	167	✓
10°00'	48°40'R	1.97	191	✓
8°05'	41°15'R	2.17	213	✓
7°30'	34°20'R	2.42	238	✓
7°30'	31°22'R	2.67	262	✓

175 ft. Contour

8°00'	33°45'R	2.70	265	✓
8°30'	38°15'R	2.41	236	✓
9°30'	43°00'R	2.21	215	✓
10°20'	49°30'R	2.04	197	✓
11°50'	57°52'R	1.80	172	✓
12°30'	67°55'R	1.65	157	✓
11°10'	83°00'R	1.80	173	✓
10°45'	90°00'R	2.00	193	✓
8°30'	95°30'R	2.47	242	✓
7°00'	99°52'R	2.93	289	✓
6°30'	106°00'R	3.26	322	✓

7°05'	108°35'R	3.35	330	✓
8°00'	111°40'R	2.97	291	✓
8°30'	117°40'R	2.57	251	✓
9°15'	121°38'R	2.48	242	✓
8°30'	129°25'R	2.48	243	✓

2/24/03 Alverson
McLaren
Anginsola
Lucc

△ Pt. on Pound Canyon base line at Sta 48

→ Sta. 41

180 ft. Contour

11°35'	85°25'R	2.06	198	✓
12°45'	78°15'R	1.83	174	✓
13°10'	65°37'R	1.86	176	✓
11°00'	50°35'R	2.17	209	✓
10°20'	43°12'R	2.44	236	✓

8°55'	36°05'R	2.73	266	✓

185 ft. Contour

9°40'	38°00'R	2.81	273	✓
10°35'	42°45'R	2.55	246	✓
11°45'	49°56'R	2.32	223	✓
12°40'	55°00'R	2.14	204	✓
13°30'	66°42'R	2.02	191	✓
13°30'	78°55'R	2.04	193	✓
11°40'	86°00'R	2.30	221	✓

190 ft. Contour

11°55'	85°30'R	2.52	241	✓
13°20'	80°25'R	2.34	222	✓
14°10'	67°30'R	2.15	202	✓
14°00'	61°00'R	2.14	202	✓
12°30'	52°26'R	2.38	227	✓
12°00'	48°03'R	2.57	246	✓

Vertical Horiz Rod

11°20'	42°35'R	2.67	257	✓
11°00'	41°05'R	2.82	272	✓

195 ft. Contour

11°50'	43°20'R	2.87	275	✓
12°35'	46°27'R	2.70	257	✓
13°00'	51°00'R	2.55	242	✓
14°25'	57°00'R	2.38	223	✓
14°50'	64°27'R	2.28	213	✓
15°00'	67°55'R	2.32	216	✓
13°50'	77°25'R	2.38	224	✓
13°00'	82°00'R	2.53	240	✓
12°15'	85°00'R	2.68	256	✓

200 ft. Contour

12°45'	84°20'R	2.90	276	✓
14°00'	78°48'R	2.62	247	✓

15°15'	68°23'R	2.46	229	✓
15°15'	60°12'R	2.46	229	✓
14°00'	52°25'R	2.67	251	✓
13°00'	46°10'R	2.92	277	✓

205 ft. Contour

13°40'	48°45'R	2.96	280	✓
14°20'	53°00'	2.77	260	✓
15°15'	60°20'R	2.60	242	✓
15°25'	68°25'R	2.62	244	✓
14°30'	76°42'R	2.76	259	✓
13°30'	81°46'R	2.98	282	✓
12°30'	84°25'R	3.13	298	✓

210 ft. Contour

13°35'	81°17'R	3.22	304	✓
14°20'	77°00'R	2.96	278	✓

15°20′	68°56′R	2.80	260	✓
16°00′	65°50′R	2.73	252	✓
15°45′	60°30′R	2.71	251	✓
15°00′	54°20′R	2.86	267	✓
14°30′	50°45′R	3.02	293	✓

△ Pt. on 8th St. range line at F 5+40 right.

→ F 0

180 ft Contour.

17°00′	106°37′R	1.10	101	✓
15°30′	86°10′R	1.17	109	✓
13°00′	70°05′R	1.38	129	✓
11°10′	59°13′R	1.67	161	✓
9°35′	58°50′R	2.10	204	✓
7°40′	60°22′R	2.40	236	✓
8°00′	69°15′R	2.27	223	✓
8°15′	77°18′R	2.28	223	✓
7°30′	89°48′R	2.48	244	✓
7°00′	91°40′R	2.73	269	✓
6°15′	91°45′R	2.94	291	✓

185 ft Contour.

6°00′	89°16′R	3.10	307	✓
6°30′	89°33′R	2.85	282	✓
6°55′	86°30′R	2.55	251	✓
7°30′	78°06′R	2.40	236	✓
7°20′	71°00′R	2.43	239	✓
7°20′	66°07′R	2.46	242	✓
6°25′	57°52′R	2.70	267	✓
7°35′	56°06′R	2.40	236	✓
8°30′	54°52′R	2.07	202	✓
9°30′	53°08′R	1.84	179	✓
9°30′	53°38′R	1.57	153	✓
11°00′	61°55′R	1.34	129	✓
13°45′	75°18′R	1.12	106	✓

15°15'	91°50'R	0.97	90	✓

190 ft Contour

13°35'	79°30'R	0.92	87	✓
13°00'	67°05'R	1.10	104	✓
9°50'	52°00'R	1.40	136	✓
8°00'	49°10'R	1.70	167	✓
7°00'	51°10'R	2.03	200	✓
6°00'	53°18'R	2.32	229	✓
5°25'	53°42'R	2.62	260	✓
4°40'	54°15'R	2.93	293	✓
4°40'	60°00'R	2.82	282	✓
5°20'	64°20'R	2.63	261	✓
5°30'	69°08'R	2.53	251	✓
5°30'	76°32'R	2.53	251	✓
5°30'	82°20'R	2.65	243	✓
4°35'	85°15'R	2.90	290	✓
4°00'	86°20'R	3.20	320	✓

195 ft Contour

3°20'	83°45'R	3.43	343	✓
3°25'	82°50'R	3.16	316	✓
3°25'	81°03'R	2.90	290	✓
4°00'	77°22'R	2.70	270	✓
3°50'	71°30'R	2.68	268	✓
4°00'	67°15'R	2.71	271	✓
4°00'	62°07'R	2.92	292	✓
4°00'	58°35'R	3.08	308	✓
4°00'	54°53'R	3.22	322	✓
3°40'	51°47'R	3.13	313	✓
3°40'	50°53'R	2.83	283	✓
3°40'	50°22'R	2.48	248	✓
4°55'	49°15'R	2.19	219	✓
4°55'	45°22'R	1.96	196	✓
6°25'	42°20'R	1.67	145	✓
8°25'	46°45'R	1.27	125	✓
10°35'	60°55'R	1.02	99	✓

12°35'	76°52'R	0.80	76	✓

200 ft Contour

9°30'	60°27'R	0.82	80	✓
7°15'	45°15'R	1.05	103	✓
5°40'	36°15'R	1.33	132	✓
4°30'	35°25'R	1.71	171	✓
3°45'	43°00'R	2.04	204	✓
3°05'	49°07'R	2.40	240	✓
2°45'	48°30'R	2.78	278	✓
2°45'	48°55'R	3.10	310	✓
2°15'	49°36'R	3.33	333	✓
2°15'	53°15'R	3.38	338	✓
2°15'	58°52'R	3.34	334	✓
2°30'	62°04'R	3.14	314	✓
2°30'	66°45'R	2.98	298	✓
2°30'	71°08'R	2.90	290	✓
2°30'	77°55'R	3.02	302	✓
2°30'	80°30'R	3.30	330	✓
2°30'	81°45'R	3.50	350	✓

203 ft Contour — Rod read wrong

1°30'	80°20'R	3.68		
1°45'	79°30'R	3.40		
1°50'	76°30'R	3.10		
1°50'	72°07'R	3.02		
1°50'	67°45'R	3.05		
1°50'	62°48'R	3.23		
1°45'	59°56'R	3.42		
1°30'	55°30'R	3.50		
1°30'	49°25'R	3.55		
1°35'	49°35'R	3.70		
1°30'	45°48'R	3.58		
1°30'	49°20'R	3.24		
1°35'	47°30'R	2.84		
2°15'	46°38'R	2.61		

2°20'	43°22'R	2.26		
2°20'	39°20'R	2.03		
2°20'	33°12'R	1.88		
3°45'	32°40'R	1.58		
3°35'	32°25'R	1.34		
5°00'	39°50'R	0.98		
7°05'	53°30'R	0.80		

205 ft Contour

5°30'	40°15'R	0.88	88	✓
4°00'	34°25'R	1.14	114	✓
3°10'	28°56'R	1.44	144	✓
3°00'	30°00'R	1.78	178	✓
3°00'	31°57'R	1.96	196	✓
2°00'	35°25'R	2.08	208	✓
2°10'	40°45'R	2.16	216	✓
2°10'	42°45'R	2.31	231	✓
2°15'	45°30'R	2.60	260	✓
1°50'	46°25'R	2.86	286	✓
1°45'	46°25'R	3.28	328	✓
1°15'	45°08'R	3.62	362	✓
1°15'	47°45'R	3.72	372	✓
1°15'	53°50'R	3.54	354	✓
1°15'	58°00'R	3.56	356	✓
1°20'	61°37'R	3.43	343	✓
1°30'	65°30'R	3.17	317	✓
1°30'	73°37'R	3.10	310	✓
1°30'	78°13'R	3.46	346	✓
1°25'	79°30'R	3.71	371	✓

210 ft. Contour

1°10'	76°30'R	3.88	388	✓
1°15'	76°00'R	3.67	367	✓
1°20'	73°07'R	3.41	341	✓
1°30'	67°22'R	3.35	335	✓
1°30'	62°50'R	3.60	360	✓

153

1°25'	58°08'R	3.80	380	✓
1°30'	54°05'R	3.80	380	✓
1°15'	50°37'R	3.82	382	✓
1°15'	45°00'R	3.93	393	✓
1°00'	43°25'R	3.97	397	✓
0°20'	42°22'R	3.65	365	✓
0°30'	43°55'R	3.32	332	✓
0°35'	44°15'R	3.03	303	✓
0°40'	43°33'R	2.70	270	✓
0°45'	41°50'R	1.54	154	?
1°00'	35°55'R	2.25	225	✓
1°00'	26°55'R	2.05	205	✓
1°00'	23°37'R	1.74	174	✓
1°00'	21°37'R	1.43	143	✓
1°00'	26°30'R	1.01	101	✓
1°00'	34°20'R	0.72	72	✓

215 ft Contour

0°00'	120°30'L	0.91	91	✓
0°00'	127°35'L	0.52	52	✓
0°00'	136°15'L	0.29	29	✓
3°00'	27°00'R	0.20	20	✓
0°30'	21°15'R	0.56	56	✓
0°50'	16°25'R	1.01	101	✓
1°00'	16°20'R	1.38	138	✓
1°00'	14°15'R	1.73	173	✓
1°00'	15°20'R	1.95	195	✓
0°30'	20°00'R	2.15	215	✓
0°30'	38°30'R	2.37	237	?
0°35'	37°00'R	2.58	258	✓
0°30'	40°38'R	2.95	295	✓
0°30'	41°20'R	3.18	318	✓
0°15'	40°55'R	3.58	358	✓
0°10'	40°48'R	3.96	396	✓
0°10'	41°10'R	4.15	415	✓

0°10'	45°35'R	4.13	413	✓
0°10'	48°12'R	4.10	410	✓
0°10'	52°20'R	3.93	393	✓
0°10'	58°12'R	3.95	395	✓
0°10'	62°04'R	3.85	385	✓
0°10'	66°25'R	3.70	370	✓
0°10'	71°15'R	3.67	367	✓
0°10'	73°25'R	3.96	396	✓
0°10'	73°40'R	4.18	418	✓

220 ft. Contour

0°30'	70°55'R	4.31	431	✓
0°30'	71°18'R	4.07	407	✓
0°30'	67°00'R	3.96	396	✓
0°30'	61°47'R	4.03	403	✓
0°30'	56°50'R	4.06	406	✓
0°30'	52°25'R	4.05	405	✓
0°30'	48°37'R	4.21	421	✓

0°30'	45°15'R	4.28	428	✓
0°30'	41°30'R	4.32	432	✓
0°30'	39°45'R	4.33	433	✓
0°40'	38°37'R	4.03	403	✓
1°25'	38°20'R	3.73	373	✓
1°25'	38°25'R	3.42	342	✓
0°40'	38°10'R	3.07	307	✓
0°45'	34°38'R	2.76	276	✓
0°50'	26°25'R	2.50	250	✓
0°45'	21°00'R	2.45	245	✓
0°45'	14°18'R	2.24	224	✓
0°45'	9°35'R	1.99	199	✓
1°25'	7°30'R	1.68	168	✓
1°30'	7°20'R	1.40	140	✓
1°25'	7°10'R	1.01	101	✓
1°15'	7°35'R	0.60	60	✓
2°30'	10°30'L	0.38	38	✓
2°30'	82°00'L	0.33	33	✓

157

2°30'	113°18'L	0.61	61	✓
2°30'	111°45'L	0.90	90	✓

225 ft. Contour

5°25'	103°10'L	0.83	82	✓
6°40'	91°30'L	0.49	48	✓
9°45'	45°35'L	0.39	38	✓
7°30'	22°08'L	0.51	50	✓
5°30'	4°55'L	0.79	78	✓
5°00'	2°15'L	1.06	105	✓
3°00'	1°52'R	1.30	130	✓
3°10'	2°20'R	1.64	164	✓
3°00'	3°20'R	2.00	200	✓
1°50'	7°20'R	2.32	232	✓
2°00'	11°55'R	2.48	248	✓
2°00'	20°05'R	2.62	262	✓
2°00'	27°30'R	2.69	269	✓
2°00'	31°04'R	2.93	293	✓

1°30'	35°22'R	3.18	318	✓
1°30'	36°45'R	3.60	360	✓
1°30'	37°08'R	4.03	403	✓
1°30'	37°50'R	4.30	430	✓
1°30'	38°26'R	4.52	452	✓
1°30'	42°15'R	4.48	448	✓
1°30'	45°26'R	4.40	440	✓
1°30'	49°40'R	4.33	433	✓
1°30'	53°15'R	4.17	417	✓
1°30'	56°23'R	4.17	417	✓
1°25'	60°05'R	4.20	420	✓
1°25'	66°15'R	4.16	416	✓
1°25'	69°25'R	4.28	428	✓
1°25'	69°00'R	4.54	454	✓

230 ft. Contour

1°40'	66°35'R	4.70	470	✓
1°45'	65°47'R	4.54	454	✓

1°45′	62°40′R	4.40	440	✓
1°45′	57°15′R	4.30	430	✓
1°45′	52°05′R	4.35	435	✓
1°45′	47°18′R	4.50	450	✓
1°40′	42°36′R	4.60	460	✓
1°40′	39°06′R	4.66	466	✓
1°40′	37°22′R	4.70	470	✓
1°40′	36°18′R	4.50	450	✓
2°00′	35°15′R	4.14	414	✓
2°00′	34°00′R	3.60	360	✓
2°15′	32°00′R	3.20	320	✓
2°15′	28°50′R	2.94	294	✓
2°30′	19°48′R	2.80	280	✓
2°35′	11°25′R	2.74	274	✓
2°45′	6°00′R	2.63	263	✓
3°10′	1°42′R	2.40	240	✓
4°15′	1°00′L	2.07	207	✓
5°00′	2°15′L	1.76	174	✓

6°00′	5°06′L	1.43	141	✓
9°00′	13°50′L	1.07	104	✓
9°50′	23°30′L	0.78	76	✓
10°35′	33°22′L	0.56	54	✓
9°15′	76°30′L	0.64	62	✓
7°45′	91°47′L	0.88	86	✓

235 ft. Continued

10°00′	79°35′L	0.94	91	✓
11°00′	50°23′L	0.89	86	✓
11°00′	28°30′L	1.01	96	✓
9°00′	18°20′L	1.30	127	✓
7°00′	9°00′L	1.65	163	✓
5°30′	5°30′L	1.93	191	✓
6°00′	5°50′L	2.31	228	✓
5°15′	3°12′L	2.60	258	✓
3°30′	3°20′R	2.89	289	✓
3°20′	11°00′R	2.94	294	✓

3°20′	18°20′R	2.93	293 ✓
3°15′	24°40′R	3.04	304 ✓
3°10′	28°25′R	3.30	330 ✓
2°45′	30°55′R	3.57	357 ✓
2°30′	32°00′R	3.96	396 ✓
2°35′	33°05′R	4.27	427 ✓
2°30′	33°20′R	4.63	463 ✓
2°30′	36°40′R	4.87	487 ✓
2°30′	40°30′R	4.86	486 ✓
2°20′	46°18′R	4.73	473 ✓
2°15′	52°55′R	4.60	460 ✓
2°20′	58°40′R	4.53	453 ✓
2°20′	61°25′R	4.61	461 ✓
2°15′	64°55′R	4.04	404 ✓

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Return to City Engineers Office
City Hall, San Diego, Cal.

TRAVERSE TABLE FOR TRANSIT BOOK.

Return to City Engineers Office
City Hall, San Diego, Cal.

From 1° to 90° for a distance of 100.

Degrees	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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