FOUNTAIN HILLS AERIAL CONTROL

STREET PAVING PROJECT

VERTICAL CONTROL

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BOOK 4

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P.C. 4939

FOUNTAIN HILLS

AERIAL

T. 3 N., R. 6 E., G.S.R. B. & M.
MARICOPA COUNTY, AZ.

TO
establish high & low altitude
photo panel elevations

π S. REYNOLDS
φ K. MONTEI

LEITZ/SOKKISHA LEVEL B2-A

AUG./SEPT. 1991

STA.		+ B.S.	H.I.	− F.S.		ELEV.	ADJUST. ELEV.	DESCRIPTION
#1107						1791.53		G.L.O. BRASS CAP − 4/3 9/10 − EL. 1791.53 − Flush E.M.# 128
		11.793	1803.323					
T.P.				0.493		1802.830		N. = NAIL
		13.302	1816.132					
T.P.				0.416		1815.716		T./C. = TOP CURB
		8.505	1824.221					
T.P.				3.022		1821.199		T/C
		10.442	1831.641					
# 1242				0.054		1831.587	1831.57	℄ INT. BLACKBIRD & Audobon boat spike 0.02' above PAVE
		9.901	1841.488					
# 1241				12.565		1828923	1828.91	PANEL − bulb Audobon nail − flush
		12.567	1841.490					
T.P.				10.017		1831.473		boat spike P.C. Blackbird
		1.903	1833.376					
T.P.				0.254		1833.122		T/C
		13.056	1846.178					
T.P.				0.300		1845.878		T/C
		10.823	1856.701					
T.P.				0.400		1856.301		T/C
		9.121	1865.422					
#1240				0.225		1865.197	1865.16	℄ INT. Tee Pee & Peace Pipe PL − boat spike 0.05' below
		1.268	1866.465					
T.P.				2.732		1863.733		N.
		11.044	1874.777					
#1239				1.773		1873.004	1872.97	Panel − bulb Peace Pipe PL. − flush
		1.261	1874.265					
T.P.				10.531		1863.734		N.
		2.290	1866.024					
#1240				0.823		1865.201	1865.16	℄ INT. Tee Pee & Peace Pipe PL. − boat spike 0.05' below Pave.
			CONT.	NEXT	PAGE			
		117.276		43.605				

STA	+ BS	H.I.	− F.S.		ELEV.	ELEV.	DESCRIPTION
	12.038	1877.239					
T.P.			0.138		1877.101		T/C
	3.874	1880.975					
T.P			11.981		1868.994		T/C
	0.352	1869.346					
T.P.			12.558		1856.788		T/C
	0.767	1857.555					
T.P.			11.983		1845.572		Boat spike – P.T.
	2.948	1848.520					
T.P.			7.149		1841.371		℄ INT. Tecpec & Richwood – boatspike
	13.056	1854.427					
T.P.			0.424		1854.003		T/C
	12.292	1866.295					
T.P.			0.446		1865.849		T/C
	12.076	1877.925					
T.P.			0.223		1877.702		T/C
	12.333	1890.035					
T.P.			0.621		1889.414		T/C
	13.001	1902.415					
#1106			0.508		1901.907	1901.85	Panel @ ℄ INT. RICHWOOD & OVERLOOK CT. 0.03 below
	0.517	1902.424					
T.P.			13.006		1889.418		T/C
	0.183	1889.601					
T.P.			11.899		1877.702		T/C
	0.642	1878.344					
T.P.			12.497		1865.847		T/C
	0.217	1866.064					
T.P.			12.052		1854.012		T/C
	0.243	1854.255					
T.P.			12.875		1841.380		℄ INT Tecpec & Richwood – boatspike
		CONT.	NEXT	PAGE			
	84.539		108.360				

STA.	+ B.S.	H.I.	− F.S.	ELEV.	ELEV.	Description
	0.129	1841.509				
T. TP			12.971	1828.538		T/C
	12.179	1840.717				
T. T.P.			6.232	1834.485		℄ Int. Richwood & Kim Dr. – Boatspike
	0.343	1834.828				
T. T.P.			10.891	1823.937		℄ Int. Richwood & Pleatinny Way – Boatspike
	0.698	1824.635				
T. #1237			12.208	1812.427	[illegible]	Panel @ ℄ Int. Richwood & Bottlebrush Bay 0.05' below
	7.634	1820.061				
T. #1238			1.787	1818.274	1819.[illegible]	Panel @ bulb Bottlebrush Bay – flush
	1.588	1819.862				
T. #1237			7.440	1812.422	1812.36	℄ Int. Richwood & Bottlebrush Bay 0.05' below
	0.848	1813.270				
T. T.P.			11.007	1802.263	[illegible]	T/C
	7.498	1809.761				
T. T.P.			0.352	1809.409	[illegible]	T/C
	11.621	1821.030				
T. T.P.			0.122	1820.908	[illegible]	T/C
	13.128	1834.036				
# T.P.			0.291	1833.745	[illegible]	T/C
	12.367	1846.112				
T. T.P.			0.067	1846.045	[illegible]	T/C
	11.819	1857.864				
T. T.P.			0.178	1857.686	[illegible]	T/C
	12.120	1869.806				
T. T.P.			0.267	1869.539	[illegible]	T/C
	7.552	1877.091				
T. #1236			2.446	1874.645	1874.54	PANEL @ S. end Centipede Dr. – P.K. Nail – flush
T.						
		CONT.	NEXT	PAGE		
	99.524		66.259			

STA	+ BS	H.I.	− F.S.	ELEV.	ELEV.	DESCRIPTION
	12.670	1887.315				
TP			0.358	1886.957		T/C
	12.722	1899.679				
T.P.			0.285	1899.394		T/C
	12.322	1911.716				
T.P.			1.009	1910.707		N.
	12.998	1923.705				
#1235			0.357	1923.348	1923.23	Panel @ ℄ Int. Centipede & Grassland Dr − 0.02 below
	11.447	1934.795				
T.P.			0.224	1934.571		T/C
	11.722	1946.293				
T.P.			0.700	1945.593		T/C
	12.578	1958.171				
#1234			0.147	1958.024	1957.90	Panel @ N. end Centipede DR. − P.K. nail − flush
	7.382	1965.406				
T.P.			12.162	1953.244		N.
	1.890	1955.134				
#1201			11.077	1944.057	0.137	N. 1/4 Cor. Sec. 4 − G.L.O. BR. Cap − BM#320 − EL = 1943.92
					1943.92	0.55' Above
		END				
	95.731		26.319			

STA.	+ B.S.	H.I.	- F.S.	ELEV.	ELEV	DESCRIPTION
#1101				1943.92		N. 1/4 Cor. Sec. 4 - G.L.O. Br. Cap - B.M. # 320 - EL. 1943.92 0.55' above
	10.982	1954.902				
TP			1.201	1953.701		N.
	10.643	1964.344				
TP			0.272	1964.072		N.
	12.087	1976.159				
TP			3.944	1972.215		T/C
	3.810	1976.025				
TP			10.341	1965.684		T/C
	0.508	1966.192				
TP			13.293	1952.899		℄ INT. Scorpion & Bumblebee - boatspike
	0.326	1953.225				
TP			12.239	1940.986		P.T. - Scorpion - boatspike
	1.477	1942.463	~~13.811~~ ~~12.811~~			
TP				1928.652		T/C
	0.803	1929.455				
TP			12.988	1916.467		T/C
	0.588	1917.055				
TP			11.643	1905.412		T/C
	0.737	1906.149				
TP			12.600	1893.549		T/C
	0.434	1893.983				
TP			13.320	1880.663		T/C
	0.427	1881.090				
TP			12.489	1868.601		T/C
	0.500	1869.101				
#1232			10.300	1858.801	1858.80	Panel @ ℄ INT. Scorpion & Grassland - boatspike flush
	0.601	1859.402				
TP			12.760	1846.642		Cor. D/W
		CONT.	NEXT	PAGE		
	43.423		141.201			

STA.	+ B.S.	H.I.	− F.S	ELEV.	ADJUST ELEV	DESCRIPTION
	2.728	1849.370				
#1231			4.878	1844.492	1844.49	Panel @ bulb Scorpion Dr. cul-de-sac - Nail flush
	0.987	1845.479				
TP			8.092	1837.387		conc. Block
	5.161	1842.548				
#1233			2.269	1840.279	1840.27	Panel @ ℄ Int. Kim Dr & Cobblestone - boatspike flush
	0.728	1841.007				
TP			5.050	1835.957		T/C
	4.380	1840.337				
TP			0.680	1839.657		T/C *
	10.529	1850.186				
TP			1.729	1848.457		P.J. Dixie mine Trail - boatspike
	6.412	1854.869				
#1230			3.912	1850.957	1850.95	Panel @ ℄ Int. Dixie Mine & Yellowstone - boatspike flush
	5.047	1856.004				
#1229			6.455	1849.549	1849.54	Panel @ bulb Yellowstone - Nail flush
	6.401	1855.950				
TP			4.979	1850.971		℄ Int. Dixie mine & Yellowstone - P.K. Nail
	7.318	1858.289				
TP			2.577	1855.712		℄ Int. Grassland & Dixie Mine - boatspike
	5.548	1861.260				
#1228			1.214	1860.048	1860.04	Panel @ ℄ Grassland & Agate Knoll - rebar w/cap 0.12 above
	10.397	1870.443				
#1226			0.660	1869.783	1869.78	Panel @ bulb Agate Knoll Pl. - rebar 0.15 above
	1.978	1871.761				
#1227			11.430	1860.331	1860.32	Panel @ bulb Grassland Dr. - rebar 0.12 above
	12.708	1873.039				
TP			0.705	1872.334		N.
	12.706	1885.040				
TP			0.332	1884.708		N.

CONT. NEXT PAGE

STA	+ BS.	H.I.	− F.S	ELEV.	ELEV	DESCRIPTION
	11.399	1896.107				
TP			0.088	1896.019		N.
	5.147	1901.166				
TP			5.227	1895.939		N.
	5.309	1901.248				
TP			12.963	1888.285		N
	12.549	1900.834				
TP			2.698	1898.136		N.
	9.317	1907.453				
#1243			1.368	1906.085	1906.07	Panel @ S. end Aspen Dr. (near Canyon Dr. cul-de-sac) P.K. Nail flush
	1.097	1907.182				
TP.			12.160	1895.022		N.
	4.627	1899.649				
TP			5.250	1894.399		T/C
	9.484	1903.883				
TP			0.477	1903.406		N.
	12.948	1916.354				
TP			0.266	1916.088		T/C
	9.930	1926.018				
TP			0.142	1925.876		T/C
	7.317	1933.193				
#1214			2.079	1931.114	1931.10	Panel @ ℄ Int. Aspen Dr & Sourdough Pl – BR. Cap flush
	12.333	1943.447				
TP.			0.973	1942.474		ROCK
	12.377	1954.851				
TP			0.295	1954.556		ROCK
	11.646	1966.202				
TP			0.535	1965.667		ROCK
	12.788	1978.455				
TP			0.807	1977.648		ROCK
		CONT.	NEXT	PAGE		
	138.260		45.328			

STA	+ B.S.	H.I.	− F.S.	ELEV.	ADJUST ELEV	DESCRIPTION
	11.762	1989.410				
TP			1.860	1987.550	19[illegible]	ROCK
	10.531	1998.081				
#1215			3.695	1994.386	1994.[illegible]	Panel @ P.C. BoxCar DR. near Pageland - boatspike flush
	1.978	1996.364				
TP			11.309	1985.055		T/C
	0.473	1985.528				
TP			9.719	1975.809		T/C
	1.965	1977.774				
#1216			7.118	1970.656	1970.[illegible]5	Panel @ bulb Pageland Cir. - Nail flush
	11.779	1982.435				
TP			0.268	1982.167		T/C
	11.499	1993.666				
TP			0.603	1993.063		@ INT. BOXCAR DR & Pageland Cir - boatspike (not panel)
	5.560	1998.623				
TP			11.055	1987.568	1987.5[illegible]4	ROCK (previous TP)
	8.658	1996.226				
TP			2.328	1993.898		
	9.901	2003.799				
#1213			6.083	1997.716	1997.68[illegible]	Panel @ ℄ Int. Aspen & Windy Hill - 0.02 below
	11.873	2009.589				
TP			0.5000	2009.089		T/C
	10.583	2019.672				
TP			3.327	2016.325		P.T. - Windy Hill - boatspike
	6.474	2022.799				
			1.816	2020.983	(0.033)	H.I. B.m #326 - EL. 2020.95 - Rebar in Conc.
					2020.95	
		END				
	103.086		59.701			

STA	+ B.S.	H.I.	- F.S.	ELEV.	ELEV	DESCRIPTION
				2020.95		F.H. B.M. #326 - EL. 2020.95 - Rebar in Conc
	1.752	2022.702				
TP			12.561	2010.141		T/C
	0.287	2010.428				
TP			14.618	1995.810		T/C
	2.048	1997.858				
TP			16.643	1981.215		T/C
	1.478	1982.693				
TP			13.047	1969.646		T/C
	2.122	1971.768				
#1210			8.671	1963.097	1963.11	Panel @ ℄ Int. Aspen Dr & Greene Valley Rd. - boatspike flush
	3.581	1966.678				
#1209			6.138	1960.540	1960.56	Panel @ ℄ Int. Aspen Dr. & Marathon - boat spike 0.02 below
	10.791	1971.331				
TP			1.442	1969.889		T/C
	11.677	1981.566				
TP			1.565	1980.001		Rock
	5.057	1985.058			1981.65	
#1208			3.433	1981.625		Panel @ bulb Marathon Dr. Cul-de-sac - Nail flush
	0.513	1982.138				
TP			12.252	1969.886		T/C (previous)
	1.061	1970.947				
TP			10.412	1960.535		℄ Int. Aspen Dr. & Marathon - boat spike
	6.150	1966.685				
TP			3.589	1963.096		℄ Int. Aspen Dr. & Greene Valley Rd.
	0.584	1963.680				
TP			10.770	1952.910		Rock
	1.947	1954.857				
TP			10.110	1944.747		Rock
		CONT. NEXT	PAGE			
	49.048		128.257			

STA	+ B.S.	H.I.	− F.S.	ELEV.	ELEV	DESCRIPTION
	1.293	1946.040			1939.27	
#1211			6.796	1939.244		Panel @ mid-point Green Valley Rd - Nail flush
	1.591	1940.835				
TP			13.132	1927.703		Cor. Conc. D/W
	4.240	1931.943			1926.43	
#1212			5.498	1926.445		Panel @ ℄ Int. Marathon Dr. & Greene Valley Rd - 0.03 below
	5.242	1931.687				
TP			11.333	1920.354		M.H. Rim
	17.994	1938.348				
TP			1.202	1937.146		T/C
	20.340	1957.486				
TP			1.641	1955.845		T/C
	19.543	1975.388				
TP			0.161	1975.227		T/C
	20.138	1995.365			1988.85	
#1206			6.569	1988.796		Panel @ ℄ Int. Paradox Dr & Kit Fox Pl. - boatspike 0.02' below
	16.632	2005.428				
TP			2.073	2003.355		ROCK
	12.909	2016.264			2014.31	
#1207			2.007	2014.257		Panel @ bulb Kit Fox Pl. cul-de-sac - Nail flush
	1.141	2015.398				
TP			17.188	1998.210		ROCK
	1.598	1999.808				
TP			11.017	1988.791		℄ Int. Paradox Dr. & Kit Fox Pl. - boatspike
	13.267	2002.058				
TP			0.458	2001.600		℄ Int. Paradox Dr. & Golden Eagle - Br. cap (not the boatspike near by)
	19.308	2020.908				
TP			0.456	2020.452		Fire Hyd. - top Nut - Cor. Golden Eagle & Log Lane
	20.929	2041.381				
TP			2.348	2039.033		T/C
		CONT. NEXT	PAGE			
	.176.115		181.879			

STA.	+ B.S.	H.I.	− F.S	ELEV.	ADJUST ELEV.	DESCRIPTION
	20.387	2059.420				
TP			0.306	2059.114		T/C
	19.148	2078.262				
TP			0.661	2077.601		T/C
	18.289	2095.890				
#1203			2.982	2092.908		Panel @ ℄ Int. Golden Eagle & Cerro Alto Dr - Br. Cap flush
	1.123	2094.031				
TP			16.205	2077.826		ROCK
	0.515	2078.341				
TP			14.045	2064.296		ROCK
	0.921	2065.217			2057.25	
#1204			8.048	2057.169		Panel @ Cerro Alto & Alvarado - Nail flush
	3.320	2060.489				
TP			15.438	2045.051		ROCK
	2.000	2047.051				
TP			12.500	2034.551		ROCK
	1.177	2035.728				
#1205			22.089	2013.639	~~2013.73~~	Panel @ S. end Cerro Alto Dr. - Nail flush
	4.251	2017.890				
			TOP PIPE	14.765	2003.125	F.H. B.M # 279 "Allen" EL. 2003.18 (0.040)
			TOP NAIL INSIDE PIPE	14.805	2003.085	(0.095)
					2003.18	
		END				
	71.131			197.078		

STA.	+ B.S	H.I.	− F.S.	ELEV.	ADJUST. ELEV	DESCRIPTION
				2113.04		F.H. B.M. # 342 EL. 2113.04 1/2" Rebar in Conc.
	1.487	2114.527				
TP			8.892	2105.635		T/C
	1.566	2107.201				
TP			10.919	2096.282		T/C
	1.973	2098.255				
#1203			5.263	2092.992 ✓		Panel @ ℄ Int. Golden Eagle & Cerro Alto - Br. Cap flush
	4.464	2097.456				
TP			9.587	2087.869		ROCK
	2.596	2090.465				
TP			17.060	2073.405		ROCK
	0.133	2073.538				
TP			10.900	2062.638		MH. Rim
	1.685	2064.323				
TP			21.347	2042.976		ROCK
	6.443	2049.419				
#1202			11.219	2038.200 ✓		Panel on Golden Eagle - Nail flush
*	5.959	2044.159				
TP			0.302	2043.857		ROCK
	13.119	2056.976				
TP			1.093	2055.883		ROCK
	9.476	2065.359				
#1201			2.317	2063.042 ✓		Panel on Golden Eagle - Nail flush
	16.631	2079.673				
TP			6.989	2072.684		ROCK
	23.380	2096.064				
TP			1.064	2095.000		ROCK
	13.258	2108.258				
TP			0.167	2108.091		ROCK
	19.438	2127.529				
#1200			4.443	2123.086 ✓		Panel @ N.W. end Golden Eagle - Rebar w/Cap 0.37' above
	12.608	CONT. NEXT	PAGE	111.562		

STA	+ B.S	H.I.	- F.S.	ELEV.	ADJUST ELEV	DESCRIPTION
	13.389	2136.475				
TP			11.944	2124.531		ROCK
	0.409	2124.940				
TP			5.944	2118.996		ROCK
	17.821	2136.817				
TP			0.580	2136.237		ROCK
	13.350	2149.587				
TP			0.962	2148.625		ROCK
	12.861	2161.486				
TP			1.358	2160.128		Rebar
	LEVEL CIRCUIT CONTINUED NEXT PAGE					
	57.83	CONT	20.788			

STA	+ BS	H.I.	− F.S	ELEV. ADJUST ELEV	DESCRIPTION
				2160.128	
	2.154	2162.282			
TP			10.892	2151.390	ROCK
	18.143	2169.533			
TP			23.063	2146.470	ROCK
	4.632	2151.102			
TP			7.004	2144.098	ROCK
	20.615	2164.713			
TP			3.456	2161.257	ROCK
	18.528	2179.785			
TP			6.853	2172.932	ROCK
	19.321	2192.253			
TP			2.521	2189.732	ROCK @ water tower
	14.525	2204.257			
TP			2.183	2202.074	ROCK
	16.265	2218.339			
TP			5.447	2212.892	ROCK
	20.024	2232.916			
TP			8.968	2223.948	ROCK
	16.582	2240.530			
TP			0.307	2240.223	ROCK
	11.595	2251.818			
TP			19.382	2232.436	ROCK
	5.608	2238.044			
#1103			10.194	2227.850 ✓	Panel #1103 - Nail flush
	9.272	2237.122			
TP			4.687	2232.435	Rock (generous)
	9.441	2241.876			
TP			10.651	2231.225	Rock
	0.401	2231.626			
TP			14.551	2217.075	ROCK
		CONT. NEXT	PAGE		
	187.106		130.159		

STA.	+ BS.	H.I.	− F.S.	ELEV.	ADJUST ELEV	DESCRIPTION
	1.358	2218.433				
TP			16.444	2201.989		ROCK
	1.076	2203.065				
TP			18.689	2184.376		ROCK
	0.811	2185.187				
TP			15.184	2170.003		ROCK
	0.144	2170.147				
TP			7.727	2162.420		ROCK
	0.864	2163.284				
TP			10.750	2152.534		ROCK
	1.403	2153.937				
TP			8.118	2145.819		ROCK
	3.163	2148.982				
TP			7.235	2141.747		ROCK
	4.337	2146.084				
TP			6.573	2139.511		Rad. pt. Cerro Alto cul-de-sac – boatspike
	2.643	2142.154				
TP			9.807	2132.347		T/C
	1.783	2134.130				
TP			10.576	2123.554		T/C
	1.044	2124.598				
TP			9.047	2115.551		Nail
	3.672	2119.223				
			6.184	2113.039		F.H.B.M. # 342 EL. 2113.04 Rebar in Conc
					.001	
		END				
	22.298		126.334			

STA.	+ B.S.	H.I.	- F.S.	ELEV.	ELEV	DESCRIPTION
				2003.18		F.H.B.M. #279 "Allen" EL. 2003.18
	2.884	2006.062				
TP			12.704	1993.360		ROCK
	0.979	1994.339				
TP			16.689	1977.650		ROCK
	2.789	1980.439				
TP			22.317	1958.122		ROCK
	3.202	1961.324				
TP			18.226	1943.098		ROCK
	1.951	1945.049				
TP			18.776	1926.273		ROCK
	4.876	1931.149				
TP			18.778	1912.371		ROCK
	1.233	1913.604				
TP			15.444	1898.160		ROCK
	2.175	1900.335				
TP			18.709	1881.626		ROCK
	7.568	1889.194				
TP			10.164	1879.030		ROCK
	2.537	1881.567				
TP			2.099	1879.468		ROCK
	5.077	1884.545				
TP			8.207	1876.338		¢ Int. Aspen Dr & Two Gun - boatspike
	8.982	1885.320				
TP			2.628	1882.692		¢ Int. Aspen Dr. & Shoot Out - boatspike
	9.862	1892.554				
#1217			2.519	1890.035		Panel @ Aspen Dr & Rusty Nail - boat spike flush
	2.621	1892.656				
TP			9.966	1882.690		¢ Int Aspen Dr. & Shoot Out - "
	2.843	1885.533				
TP			9.194	1876.339		¢ Int Aspen Dr. & Two Gun - "
		CONT. NEXT	PAGE			
	59.509		186.420			

STA	+ B.S.	H.I.	− F.S.	ELEV.	ADJUST ELEV	DESCRIPTION
	2.611	1878.950				
#1218			9.612	1869.338 ✓		Panel @ ℄ Int. Aspen Dr. & Quick Draw - RK. Nail flush
	3.472	1872.810				
TP			10.091	1862.719		℄ Int Aspen Dr. & Walnut Ct - boot spike
	3.100	1865.819				
TP			5.959	1859.860		Nail
	10.908	1870.768				
#1220			17.622	1853.146 ✓		Panel on Aspen @ Eagle's Nest near Nyack - Nail flush
	17.809	1870.955				
TP			0.816	1870.139		Rock on Nyack
	19.429	1889.568				
TP			3.052	1886.516		ROCK
	12.614	1899.130				
#1219			3.291	1895.839 ✓		Panel @ midpoint Nyack - Nail flush
	17.040	1912.879				
TP			0.893	1911.986		ROCK
	16.879	1928.865				
TP			1.476	1927.389		℄ Int. Golden Eagle & Nyack - Br. Cap
	12.542	1939.931				
TP			0.422	1939.509		ROCK
	14.863	1954.372				
TP			0.960	1953.412		ROCK
	12.253	1965.665				
TP			0.490	1965.175		ROCK
	11.134	1976.309				
#1225			1.856	1974.453 ✓		Panel @ ℄ Int. Golden Eagle & Richwood - boot spike flush
	1.600	1976.053				
TP			17.189	1958.864		ROCK
	4.014	1962.878				
TP			17.039	1945.839		ROCK
		CONT. NEXT	PAGE			

160.228 90:168

STA	+ B.S.	H.I.	- F.S.	ELEV.	DESCRIPTION
	3.557	1949.396			
TP			15.934	1933.462	Nail
	1.738	1935.200			
TP			7.820	1927.380	℄ Int. Golden Eagle & Wyack - Br. cap
	4.651	1932.031			
TP			2.612	1929.419	ROCK
	11.393	1940.812			
#1224			6.077	1934.735 ✓	Panel @ ℄ Int. Golden Eagle & Jamaica - Br. Cap 0.02 above
	2.896	1937.631			
TP			24.449	1913.182	ROCK
	4.275	1917.457			
#1222			22.045	1895.412 ✓	Panel @ midpoint of Eagles Nest DR. - Nail flush
	0.722	1896.134			
TP			8.034	1888.100	ROCK
	4.082	1892.182			
TP			11.667	1880.515	ROCK
	1.333	1881.848			
TP			12.389	1869.459	ROCK
	2.608	1872.067			
TP			18.053	1854.014	ROCK
	3.409	1857.423			
#1221			10.786	1846.637 ✓	Panel near Round-up Ct. - flush rebar
	5.083	1851.720			
TP			0.913	1850.807	ROCK
	16.212	1867.019			
TP			2.488	1864.531	Top Nut - Fire Hyd - Cor. Eagles Nest & Aspen Dr.
	8.353	1872.884			
TP			1.932	1870.952	MH Rim
	8.902	1879.854			
#1223			21.353	1877.501 ✓	Panel @ ℄ Int. Golden Eagle & Aspen - Br. Cap 0.02' above
		CONT. NEXT	PAGE		
	79.214		141.552		

STA.	+ B.S	H.I.	− F.S.	ELEV.	DESCRIPTION
	0.103	1877.604			
TP			16.307	1861.297	ROCK
	0.622	1861.919			
TP			10.691	1851.228	ROCK
	10.968	1862.196			
TP			0.650	1861.546	ROCK
	15.542	1877.088			
TP			4.391	1872.697	F.H.B.M. # 305 - EL. 1872.66 - Rebar in conc
	0.542	1873.239			
TP			16.416	1856.823	ROCK
	0.642	1857.465			
TP			14.495	1842.970	ROCK
	3.067	1846.037			
TP			17.142	1828.895	ROCK
	0.694	1829.589			
TP			15.468	1814.121	ROCK
	3.032	1817.153			
TP			18.728	1798.425	ROCK
	5.190	1803.615			
TP			8.717	1794.898	TOP NUT - Fire Hyd. - 500'± N.W. Golden Eagle & Sierra Madre
	1.779	1796.677			
TP			15.593	1781.084	T/K
	2.749	1783.833			
#1244			7.401	1776.432 ✓	Panel @ ℄ Int. Golden Eagle & Sierra Madre/Boulder flush
	5.789	1782.221			
TP			4.962	1778.159	N.W. COR Trans. pad @ S.E. Cor " " " "
	10.850	1789.009			
TP			17.874	1771.135	ROCK
	6.918	1778.053			
TP			0.528	1777.525	ROCK
		CONT. NEXT	PAGE		
	66:487		100413		

STA.	+ B.S.	H.I.	− F.S	ELEV.	ADJUST ELEV	DESCRIPTION
	9.048	1786.573				
TP			16.210	1770.363		ROCK
	3.579	1773.942				
TP			3.058	1770.884		ROCK
	16.793	1787.677				
TP			0.100	1787.577		ROCK
	15.773	1803.350				
TP			0.228	1803.122		ROCK
	12.617	1815.739				
TP			2.902	1812.837		ROCK
	11.139	1823.976				
TP			1.620	1822.356		℄ Int Blackbird & Boulder + boatspike
	13.700	1836.056				
TP			11.724	1824.332		T/C
	1.902	1826.234				
TP			17.500	1808.734		T/C
	2.447	1811.181				
TP			13.001	1798.180		T/C
	2.347	1800.527				
			8.994	1791.533		Sec. COR 4/3 9/10 G.L.O. Br. Cap + B.M # 128 EL. 1791.53 flush
						37,350 L.F. = 7.0738 mi.
						$0.05 \times \sqrt{7.0738} = 0.133$
						✓ 0.133 allowable / 0.078 actual closure
		END				
	88.345		75.537			

SECTION 3 – CTR.

STA.	+ B.S.	H.I.	– F.S.	ELEV.	ADJUST ELEV	DESCRIPTION
BM #371				1778.55		F.H. B.M. #371 – EL. 1778.55 – Rebar in Conc
	0.248	1778.798				
#1117			9.321	1769.477	✓	Panel @ Ctr. Sec. 3 – #1117 – 5/8 rebar flush
	1.998	1771.475				
TP			8.932	1762.543		ROCK
	1.545	1764.088				
TP			8.812	1755.276		ROCK
	0.298	1755.574				
TP			8.121	1747.453		ROCK
	1.457	1748.910				
TP			12.384	1736.526		F.H. B.M. #369 – EL. 1736.52 – Rebar in Conc
	11.142	1747.668				
TP			0.490	1747.178		ROCK
	9.065	1756.243				
TP			0.843	1755.400		ROCK
	10.013	1765.413				
TP			2.434	1762.979		ROCK
	9.463	1772.442				
TP			0.358	1772.084		ROCK
	8.092	1780.176				
BM 371			1.608	1778.568		F.H. B.M. #371 – EL. 1778.55 – Rebar in Conc.
		END				

4200 L.F. = 0.7954 mi

$0.05 \times \sqrt{0.7954} = 0.0445$

✓ 0.044 allowable / 0.018 actual closure

SECTION 2 - CTR.

STA	+ B.S	H.I.	- F.S	ELEV.	ADJUST ELEV.	DESCRIPTION
B.M. 384				1742.00		F.H.B.M. # 384 - EL. 1742.00 - Rebar in Conc
	3.162	1745.162				
TP			12.507	1732.655		ROCK
	13.243	1745.898				
TP			7.028	1738.870		ROCK
	21.188	1760.058				
TP			4.507	1755.551		ROCK
	3.891	1759.442				
TP			11.137	1748.305		ROCK
	9.843	1758.148				
TP			4.505	1753.643		ROCK
	8.778	1762.421				
#1116			4.081	1758.34	1758.33	Panel #1116 - Ctr. Sec. 2 - Rebar in Conc - EL. 1758.31 B.M. #383 0.16 above
	0.990	1759.330				
TP			16.508	1742.822		ROCK
	10.602	1753.424				
TP			14.212	1739.212		ROCK
	1.014	1740.226				
TP			13.029	1727.197		ROCK
	2.157	1729.354				
TP			17.248	1712.106		ROCK
	2.224	1714.330				
TP			15.710	1698.620		ROCK
	0.343	1698.963				
TP			7.020	1691.943		ROCK
	19.485	1711.428				
TP			2.131	1709.297		F.H.B.M. # 382 - EL. 1709.26 - Rebar in Conc.
	3.313	1712.610				
TP			15.854	1696.756		ROCK

CONT. NEXT PAGE

STA.	+ BS	H.I.	- FS.	ELEV.	ADJUST ELEV	DESCRIPTION
	3.703	1700.459				
TP			13.866	1686.593		ROCK
	16.550	1703.143				
TP			1.337	1701.806		ROCK
	23.535	1725.341				
TP			2.850	1722.491		ROCK
	17.858	1740.349				
TP			0.988	1739.361		ROCK
	12.485	1751.846				
TP			3.868	1747.978		ROCK
	11.403	1759.381				
TP			1.022	1758.359		F.H. BM # 383 - EL. 1758.31 Rebar in conc
	3.928	1762.287				
TP			9.303	1752.984		ROCK
	2.778	1755.762				
TP			3.723	1752.039		ROCK
	11.941	1763.980				
TP			12.425	1751.555		ROCK
	1.187	1752.742				
TP			11.832	1740.910		ROCK
	2.209	1743.119				
TP			11.382	1731.737		ROCK
	13.250	1744.987				
BM #384			2.840	1742.147		F.H.B.M # 384 - EL. 1742.00 - Rebar in Conc.
						4700 L.F. = 0.89015 mi
						0.05 x √0.89015 mi. = 0.04717
		END				✓ 0.047 allowable / 0.047 actual closure

SECTIONS 1 & 2

STA	+ BS	H.I.	-F.S.	ELEV.	ADJUST ELEV.	DESCRIPTION
#1115				1526.58		E. 1/4 cor. sec. 2 - G.L.O. BR. CAP - B.M # 344 - Panel # 1115 EL. 1526.58 (1.18 above ground)
	7.748					
TP			4.184	1530.144		ROCK
	6.333					
TP			2.713	33.764		ROCK
	9.289					
TP			1.889	41.164		ROCK
	7.823					
TP			3.190	45.797		ROCK
	8.224					
TP			2.539	51.482		ROCK
	11.023					
TP			1.139	61.366		ROCK
	13.042					
TP			12.669	61.739		ROCK
	15.818					
#1114			7.861	1569.696		Panel @ 36 T.4N. / 1 T.3N. R.6E USGLO. BR CAP - EL. 1569.73 1.40 above
	7.683					
TP			16.245	61.134		ROCK
	17.638					
TP			15.590	63.182		ROCK
	3.161					
TP			13.572	52.791		
	4.444					
#1113			15.940	1541.275		Panel @ N.E. COR SEC. 2 - G.L.O. BR. CAP - EL. 1541.31 1.10 above
	4.567					
TP			1.325	44.517		ROCK
	9.647					
TP			5.061	49.103		ROCK
	6.170					
TP			18.051	1547.222		ROCK
	132.647		111.866			

STA.	+ BS	H.I.	− F.S.	ELEV.	DESCRIPTION
	2.904				
TP			7.798	1542.328	ROCK
	1.040				
TP			9.451	33.917	ROCK
	2.462				
TP			6.543	29.836	ROCK
	4.724				
TP			10.840	23.720	ROCK
	2.187				
TP			6.280	1519.627	1/16 COR SEC 1 - G.L.O BR CAP - EL. 1519.62 - B.M. # 388 (0.75 above ground)
	6.150				
TP			3.978		ROCK
	7.024				
			2.240	1526.583	E. 1/4 Cor Sec 2 - G.L.O. BR CAP - B.M. # 344 - EL. 1526.58 (1.18' above)
	26.491			47.130	
total	159.101			159.098	
		.003			

7,000 L.f. = 1.32576 mi.

$0.05 \times \sqrt{1.32576} = 0.0575$

✓ 0.057 allowable / 0.003 actual closure

CHECK LOOP TO PANEL 1104

STA.	+ B.S	H.I.	−F.S.	ELEV.	ADJUST ELEV.	DESCRIPTION
				2160.18		B.M. # 398 1/2" Rebar in Conc EL. 2160.18
	5.986					
TP			1.072	2165.014		ROCK
	6.568					
TP			9.142	2162.520		ROCK
	14.721					
TP			14.900	2162.341		1/4 COR G+S GLO BR CAP −1.20' Above ground
	18.519					
TP			17.459	2163.401		ROCK
	1.318					
TP			18.272	2146.447		ROCK
	0.866					
TP			17.888	2129.425		ROCK
	1.121					
TP			18.120	2112.426		ROCK
	5.516					
TP			13.978	2103.964		Nail
	3.337					
TP			2.918	2104.383		ROCK
	1.968					
TP			16.645	2089.706		ROCK
	1.096					
TP			15.674	2075.128		ROCK
	1.084					
#1104	(62.100)	(159.236)	13.168	2063.044 ✓		Panel #1104 − Nail flush (2063.02) previous VERIFIES PREVIOUS ELEV. ± .024
	13.210					
TP			15.738	2060.516		ROCK
	6.687					
TP			0.408	2066.795		ROCK
	18.790					
	(100.787)	(175.382)				

CONT. NEXT PAGE

STA.	+ B.S	HI	- F.S.	ELEV.	ADJUST ELEV.	DESCRIPTION
TP			2.694	2182.891		ROCK
	16.054					
TP			1.861	2[illegible].081		ROCK
	24.063					
TP			6.222	2114.[illegible]		ROCK
	24.159					
TP			0.662	2158.422		ROCK
	20.619					
TP			6.288	2152.753		ROCK
	21.530					
TP			0.576	2173.707		ROCK
	14.702					
TP			8.022	2180.387		ROCK
	2.738					
TP			14.206	2168.919		ROCK
	10.131					
TP			16.680	2162.37		1/4 COR.
	9.698					
TP			11.808	2160.260		ROCK
	14.228					
			14.281	2160.207		BM # 398 1/2" Rebar in Conc. EL. 2160.18
		END				
	(258.709)		(258.682)			

CHECK LEVELS TO PANEL # 1122

STA	+ BS.	H.I.	-F.S.	ELEV.	ADJUST ELEV.	DESCRIPTION
B.M.				1799.707		BR. Cap & Int. Lost Hills Dr & Ponderosa Dr. EL. 1799.707
	0.940					
TP			11.925	1788.722		
	4.158					
			8.002	1784.878 ←		Panel # 1122 flush nail
TP	5.394					
			7.192	1783.080		
	17.490					
B.M.			0.876	1799.694		BR Cap & INT. Lost Hills Dr. & Ponderosa EL 1799.707
		END				

TORTION SECTIONS 26 & 27

STA.	+ B.S	H.I.		− F.S.	ELEV.	ADJUST ELEV.	DESCRIPTION
#1153					1536.12		Panel B.M. #16 S.R.I.R ∡ PT. − GLO BRCAP − EL. 1536.12 − 0.55 abv. grd.
	8.907						
TP				2.445			Nail
	5.870						
TP				0.497			Hub
	10.271						
TP				2.229			TOP/CURB − Firebrick
	6.952						
TP				7.378			
	3.009						
TP				7.182			BR. cap ℄ Int. Firebrick & Last Trail
	9.839						
TP				2.967			T/C
	6.965						
#1416		51.813	24.359	1.661	1563.574	1563.57	Panel Bostspike @ ℄ Int. Firebrick & Lunar Ln. − 0.02 abv. PVMT
	6.210						
TP				0.939			T/C
	8.663						
#1417		66.686	27.191	1.893	1575.615	1575.6	Nail Lunar Ln cul-de-sac − Panel − flush
	~~10.868~~ ~~13.564~~						
TP				~~9.508~~ ~~8.915~~			Nail
	1.981						
TP				2.206			T/C 3.289
	3.350						
#1152		(82.885)	(43.865)	4.960	1575.14	1575.	Panel B.M. #221 − Sec. Cor. 27/26 34/35 − Br. Cap − EL. 1575.14 − 0.10 abv. grd.
	7.659						
TP				2.648			BR. cap + P.C. − Last Trail Dr
	12.001						
TP				5.743			BR. cap − P.C. − Last Trail Dr.
	4.411						
		(24.071)		(8.391)			

STA	+ B.S.		H.I.		− F.S.	ELEV.	ADJUST ELEV.	DESCRIPTION
TP					2.950			Br. Cap @ ℄ Int. Last Trail & Leo Dr.
	3.574							
TP					4.519			Br. Cap − P.C. − Leo Dr.
	12.218							
TP					0.850			BR. Cap − P.T. − Leo Dr.
	12.914							
TP					0.721			T/C
	10.132							
TP					0.577			BR CAP − P.T. − Leo Dr.
	16.273							
TP					2.029			Br. Cap − ℄ Int. Leo Dr. & Desperado Dr.
	12.583							
TP					4.311			Prop. Cor − Rebar w/ plas. cap
	13.923							
TP		(81.617)		(17.207)	1.250	1655.23	1655.22	B.M. # 111 − Rebar in Conc EL. 1655.22 Ecc $\frac{27}{34}$ − 1/4 (3.297)
	1.180							
TP					16.520			B.R. Cap − P.C. − Desperado Dr.
	3.557							
TP					9.950			T/C
	3.954							
#1151 (3)		(8.691)		(41.960)	15.090	1622.351	1622.35	Rebar @ Panel − flush
	14.928							
TP					1.182			T/C
	9.852							
TP					13.382			T/C
	5.362							
TP					15.163			Br. Cap − P.C. − Leo Dr.
	4.704							
TP					5.293			Br. Cap @ ℄ Int. Saguaro Blvd & Jet Dr.
	10.978							
	(54.515)				(76.580)			

STA.	+ B.S.	H.I.		− F.S.	ELEV.	ADJUST ELEV.	DESCRIPTION
TP				3.093			Br. Cap @ ℄ Int. Jet Dr. & Laser Dr.
	14.842						
TP				5.463			Hub
	17.709						
#1146		(78.375)	(46.493)	2.917	1654.233	1654.23	Panel - Nail flush
	3.832						
TP				17.198			ROCK
	1.552						
TP				15.847			ROCK
	1.760						
TP				15.230			T/C
	2.257						
TP				9.063			Top Nut - Fire Hyd. on Laser Dr.
	1.239						
TP				10.107			T/C
	3.473						
TP				8.829			T/C
	3.307						
TP				8.202			T/C
	2.070						
TP				10.104			T/C
	3.123						
TP				3.622			T/C
	12.824						
TP				9.306			Nail
	4.257						
TP				4.518			Nail
	14.363						
TP				2.985			G.L.O. Br. Cap - 1/4 Cor. 27+26
	5.896						
	(92.504)		(133.481)				

STA.	+ B.S.		H. I.		− F.S.	ELEV.	ADJUST ELEV.	DESCRIPTION
TP					3.151			E. Edge M.H. Rim
	8.653							
TP					4.392			Nail
	8.481							
#1412 25		(17.087)		(136.320)	6.769	1595.000	1595.99	Panel Br. Cap. – ℄ Int. Trevino & Burkemo – flush
	6.814							
TP					8.528			Nail
	6.597							
TP					1.416			Hub
	4.205							
#1411 28		(17.616)		(16.317)	6.373	1596.299	1596.29	Panel – Nail flush
	4.577							
TP					3.804			Hub
	7.855							
TP					2.070			W. edge M.H. Rim
	11.608							
TP					0.339			Hub
	12.862							
TP					0.431			Hub
	14.538							
#1410 33		(51.440)		(7.967)	1.323	1639.772	1639.76	Panel – Nail flush
	15.617							
TP					0.383			HUB
	17.120							
TP					0.418			HUB
	14.964							
TP					0.396			HUB
	14.371							
TP					0.475			HUB
	15.643							
	(163.905) ✓				(40.218) ✓			

STA.	+ B.S.	H. I.		− F.S.	ELEV.	ADJUST ELEV.	DESCRIPTION
#1409		(77.715)	(3.056)	1.434	1714.431	1714.41	Panel - P.K. nail flush ± ℄ Trevino 50' w. of Nelson Dr.
	2.641						
TP				17.367			HUB
	1.542						
TP				15.304			HUB
	2.227						
TP				14.152			HUB
	4.498						
#1408		(10.908)	(60.682)	13.859	1664.667	1664.64	Panel - nail flush
	7.467						
TP				0.282			HUB
	17.281						
TP				0.243			HUB
	17.818						
#1407		(42.566)	(0.924)	0.399	1706.241	1706.28	Panel Boatspike ℄ Int. Nelson & Nicklaus - 0.01 below punt
	7.727						
TP				2.719			T/C
	8.315				+25.219		
TP				1.713	-25.213		Boatspike - P.C. Nicklaus
	9.163				AVER. 25.216		
TP		SIDE LOOP		2.281			Boatspike - P.C. Nicklaus
	9.630						
#1404		(34.835)	(9.616)	2.903	1731.499	1731.50	Panel Boatspike @ ℄ Int. Nicklaus & Keota - 0.04 below punt
	0.710						
TP				13.468			HUB
	2.058						
TP				15.033	-56.244		HUB
	0.754				+56.238		
TP				15.748	AVER. 56.241		HUB
	0.087						
	(91.918) ✓			(116.905) ✓			

STA	+ B.S.		H.I.		− F.S.	ELEV.	ADJ. ELEV	DESCRIPTION
TP					13.675			HUB
	2.504							
#1403 (9)		(6.113)		(62.357)	4.433	1675.255	1675.26	Panel - Nail flush
	5.764							
TP					1.391			HUB
	16.501							
TP					0.878			Nail
	14.064					+43.770 −43.746 AVER. 43.758		
TP					0.838			Rock
	11.604							
#1402 (13)		(47.933)		(4.163)	1.056	1719.025	1719.01	Panel - P.K. nail flush - N.W. end Keota Dr.
	1.008							
TP					11.556			Rock (previous)
	0.579							
TP					13.805	−43.746		Nail (previous)
	1.813							
TP					17.432			HUB (previous)
	1.443							
TP		(4.843)		(48.589)	5.796	1675.279		Panel (previous # 1403)
	4.697							
TP					2.770			HUB (previous)
	14.651							
TP					1.064	+56.238		Hub (previous)
	16.590							
TP					1.596			Hub (previous)
	14.807							
TP					1.835			HUB (previous)
	13.452							
TP		(64.197)		(7.959)	0.694	1731.517		Panel (previous # 1404)
	(119.477)				(78.819)			

SIDE LOOP CONT.

STA.	+ B.S.	H.I.		− F.S.	ELEV.	ADJ ELEV.	DESCRIPTION
	2.828						
TP				9.551			boatspike - P.C. - Nicklaus (previous)
	2.191	SIDE LOOP CONT.			-25.213		
TP				9.070			boatspike - P.C. - Nicklaus (previous)
	1.903						
TP				8.508			T/C (previous)
	3.279	(10.201)	(35.414)				
TP		(79.281)	(91.962)	8.285	1706.304	1706.28	boatspike @ ℄ Int. Nicklaus & Nelson (previous)
	3.197						
#1406		(3.197)	(10.068)	10.468	1699.028	1699.01	Panel boatspike @ ℄ Int. Nicklaus & Greenbriar - 0.02 below Ave.
	0.922						
TP				17.047			Top Nut - Fire Hyd. - S. side Nicklaus
	0.464						
TP				15.932			boatspike - P.T. - Nicklaus
	1.532						
TP				8.921			Top Nut - Fire Hyd - S. side Nicklaus
	0.489						
TP				9.327			T/C
	2.423						
#1143		(5.830)	(60.063)	8.836	1644.795	1644.79	Panel boatspike - P.T. - Nicklaus - flush
	2.399						
TP				11.942			boatspike - ℄ Int. Nicklaus & Indian Wells
	1.595						
TP				18.727			T/C
	0.793						
TP				12.546			T/C
	4.967						
TP				1.953			boatspike - ℄ Int. Nicklaus & Monterey
	15.862						
TP				1.403			T/C
	16.500						
	(61.344) ✓			(152.516) ✓			

STA.	+ B.S		H I		− F.S.	ELEV.	ADJ ELEV.	DESCRIPTION
#1414 (68)		(0.450)		(10.251)	10.251	1540.413	1540.38	Panel - Nail flush - cul-de-sac @ Rough Circle
	9.956							
TP					0.478			T/C @ N. end - E. side Rough circle
	6.369							
#1415 (70)		(16.325)		(3.662)	3.184	1553.081	1553.05	Boatspike - ℄ Int Rough Circle & Monterey - flush
	3.481							
#1145 (71)		(3.481)		(4.796)	4.796	1551.766	1551.73	Panel - P.K. nail flush - ℄ Int. Saguaro & monterey
	10.910							
TP					0.158			Hub - dirt rd. to East
	9.031							
TP					1.255			Hub
	10.894							
TP (74)		(50.641) ✓		(24.313) ✓	4.191	1576.997	1576.96	BSM #200 - Rebar in Conc. EL. 1576.96 0.00050
	1.092							
TP					4.936			Hub - Dirt Rd.
	15.486							
TP					6.226			Hub " "
	6.403							
TP (3)					13.483	1575.296	1575.30	Hub " " *See Page 45 ! *
	5.327							
TP					17.350			Hub on Fenceline F.H. / S.R.I.R.
	1.352							
TP					16.930			" " " "
	0.371							
TP		(33.697)		68.536	16.152			" " " "
	8.090							
TP					17.227			Hub " " Dirt Rd.
	6.322							
TP					[illegible]			" " " "
	12.235							
	(56.678)				(93.181)			

STA	+ BS	HI	− FS	ELEV	ADJ ELEV.
TP			4.700		
	6.342				
TP			1.863		
	12.458				
TP (11)			5.531		
	2.463	(77.941)			
			13.528	1536.048	1536.12
	(21.263)	END (25.622)			
		CONT. FROM PG. 45			
	0.730				
TP			14.734		
	1.699				
TP			2.950		
	9.054				
TP			3.990		
	17.055				
B.M.			6.509		
	(28.538)		(28.183)		

DESCRIPTION

B.M. #17 – EL. [illegible]

G.L.O. BR. CAP. – 18½ m. – on fenceline – bent! F.H./S.R. [illegible]

Rock [illegible]

Rebar

B.M. #16 – G.L.O. BR. CAP – ∡ pt. S.R. IR. EL. 1536.12 0.55 [illegible]

30.490 L.F. = 5.7746 m.

0.05 × $\sqrt{5.7746}$ = 0.1201

0.120 [illegible] / 0.04 actual closure ✓

ROCK – dirt rd. on fenceline

ROCK – " " " "

ROCK – " " " "

G.L.O. BR. CAP 23/26 – B.M. #22 EL. 1519.35 –

+	−		
94.158	54.960	1536.12	B.M. #16
114.472	170.473	−1519.35	B.M. #22
208.630	225.433	16.77	V. DIFF.

−225.433
+208.630
− 16.803 ← turns

16.803
−16.770
0.033

TIC LEVELS TO 26

STA	+ BS	HI	− FS	ELEV.	ADJ ELEV.
				1575.302	
	2.164				
TP			13.165		
	6.243				
TP			2.240		
	4.414				
TP			16.633		
	0.975				
TP			16.357		
	2.119				
TP			6.542		
	0.593				
TP			16.853		
	4.691				
TP			8.949		
	11.770				
TP			6.907		
	11.440				
TP			4.767		
	1.872				
TP			14.123		
	1.711				
TP			12.975		
	5.743				
TP			5.973		
	8.673				
TP			0.773		
	14.595				
TP			1.528		
	8.931				
TP	(85.934)		(102.290)	15.105	

CONT TO pg. 44 middle of page

DESCRIPTION

* (see page 43) *

HUB in Dirt Rd. 100'± W. of F.H./S.R.I.R. Fenceline

ROCK - in dirt rd. along F.H./S.R.I.R. Fenceline

ROCK - " " " "

ROCK - " " " "

ROCK - " " " "

ROCK - " " " "

ROCK - " " " "

ROCK - " " " "

U.S.G.L.O. - BRCAP - 19 M

B.M #162 Rebar in conc EL. 1527.35

S.W. COR. Trans. pad on fence line

ROCK - dirt rd. on fenceline

ROCK - " " " "

ROCK - " " " "

ROCK - " " " "

ROCK - " " " "

SECTIONS 22 & 23

STA	+ BS	HI			− FS	ELEV	ADJ ELEV	DESCRIPTION
#1144						1519.35		G.L.O. br. cap 23/26 + B.M. # 22 EL. 1519.35 − 0.90 abv. n.g.
	5.879							
TP					8.871			T/C Wilbick & Saguaro
	5.350							
TP					2.775			T/C Saguaro & Indian Wells
	5.248							
TP					2.589			T/C Access Rd cul-de-sac Saguaro Blvd. - Eastside
	8.262							
TP					4.705			T/C - W. side Saguaro Blvd
	9.413							
#1378		(34.152)		(22.202)	3.262	1531.300	1531.30	Panel - Fd. nail ℄ Int. Kingstree & alley (north) flush
	8.306							
TP					2.408			T/C - Kingstree Blvd
	8.131							
TP					1.721			T/C - " "
	7.992							
TP					0.634			boatspike - P.T. - Kingstree
	11.683							
TP					2.249			Fd. nail - ℄ Int Kingstree & Mangrum Ct.
	11.863							
TP					1.154			T/C N. side Kingstree
	11.473							
TP					0.822			T/C S. " "
	11.590							
TP					0.776			T/C S. " "
	16.188							
TP					2.041			T/C S. " "
	16.353							
TP					0.560			T/C S. " "
	16.659							
	(154.390)				(34.567)			

STA	+ BS	H.I.	− FS	ELEV	ADJ ELEV
TP			0.729		
	17.090				
TP			1.829		
	16.714				
TP			1.107		
	12.927				
#1398	(166.869)	(17.696)	1.666	1680.573	1680.58
	1.908				
TP			10.965	−18.213 18.210 AVER. 18.2115	
	1.186				
#1397			10.342	1662.367	1662.37
	10.561				
TP			1.403	+18.210	
	13.362				
TP			4.310	1680.577	1680.58
	17.430				
TP			1.278		
	16.822				
TP			1.000		
	13.850				
TP			0.866		
	12.921				
TP			0.203		
	8.823				
TP			3.024		
	7.465				
TP			2.508		
	8.465				
TP			0.746		
	12.423				
	(171.947)		(41.976)		

SIDE LOOP

DESCRIPTION

T/C S. side Kingstree

T/C S. " "

T/C S. " "

Panel

P.K nail flush - ℄ Int. Kingstree & Cherry Hills Ct.

Nail on Cherry Hills Ct.

Panel - prop. cor. - Rebar w/cap - 0.25 abv. N.G.

Nail - (previous)

P.K. nail - ℄ Int Kingstree & Cherry Hill Ct (previous)

T/C S. side Kingstree

boatspike - P.T. ℄ Kingstree

T/C S. side Kingstree

T/C " " "

T/C

boatspike - ℄ Int. Kingstree & Frisco

T/C S. side Kingstree

STA	+ B.S.	H.I.		− F.S	ELEV	ADJ ELEV	DESCRIPTION
TP				1.270			Fd. Nail ℄ Int. Kingstree & Jacklin
	7.179						
#1340		(105.378)	(14.442)	3.547	1771.501	1771.52	Panel - P.K. nail flush
	7.838						
TP				2.997			T/C - S. side Kingstree
	10.449						
TP				0.523			T/C - " " "
	10.793						
TP				2.582			T/C - " " "
	6.939						
	6.597 ✓	4.675 ✓ 4.681		2.258			
TP (31)		(35.677)	(8.024)	1.922 ✓	1799.162	1799.18	T/C - Return @ Int. Kingstree & Appian Way
	5.331						
TP				16.357			T/C - W. side Appian
	0.427						
TP				16.858			T/C - " " "
	1.008						
TP				11.298			T/C - " " "
	3.247						
#1337 (35)		(10.013)	(51.376)	6.863	1757.799	1757.81	Panel - Br. Cap flush - ℄ Int. Appian Way & Venetian
	2.761						
TP				5.709			Hub - W. side Appian
	11.783						
#1336 (37)		(14.544)	(11.212)	5.503	1761.131	1761.15	Panel - P.K. nail flush - ℄ Int Appian & Trevino
	3.370						
TP				17.280			Rock on hillside
	4.422						
TP				17.200			Rock " "
	3.986						
TP				16.430			Hub on "
	1.953						
	(81.144)			(126.339)			

SIDE LOOP

STA	+ BS	HI		- FS	ELEV	ADJ ELEV	DESCRIPTION
TP				16.908			Rock on hillside
	3.083						
TP		(16.814)	(81.445)	13.627	1696.319	1696.52	GLO BR Cap. - Sec. Cor. 21/22 28/27 - EL. 1696.34 - BM# 14
	15.516						
TP				1.572			Rock on hillside
	16.140						
TP				0.864			Hub " "
	17.016						
TP				0.669			Rock " "
	14.297						
TP				0.347			Rock " "
	9.389						
TP		(72.358)	(7.125)	4.273	1761.152	1761.15	Pk nail - ¢ Int Appian & Trevino (Previous)
	13.562						
TP				0.392			boatspike - P.T. - Trevino
	10.821						
TP (39)		(24.383)	(1.870)	1.478	1783.644	1783.66	boatspike - P.T. - Trevino
	4.141						
TP				0.718			Rock
	17.232				+28.415 -28.408 28.415		
TP				0.875			HUB - N. side Venetian
	11.057						
#1335				2.422	1812.075	1812.07	Panel - Nail flush - cul-de-sac Venetian Circle
	2.407						
TP				11.044	-28.408		Hub - N. side Venetian (Previous)
	0.760						
TP				17.110			Rock - (Previous)
	1.441						
TP				4.862	1783.667	1783.66	boatspike - P.T. - Trevino (Previous)
	16.124						
	(152.986)			(77.161)			

SIDE LOOP CONT.

SIDE LOOP

STA	+ B.S.	H.I.		- F.S.	ELEV.	ADJ ELEV.	DESCRIPTION
TP				1.333			T/C S. Side Tiquino
	16.985						
TP				1.050			T/C " " "
	13.271						
TP				0.844			T/C
	9.829						
TP		(56.209)	(7.868)	4.641	1831.568	1832.00	TOP nut - Fire Hyd. @ N.E. COR. Tiquino & F.H. BLVD.
	0.776						
TP				6.861			Nail in dirt - E. side F.H. Blvd.
	3.349						
TP				6.888			Fd. nail - ℄ Int. F.H. Blvd. & Palamino
	1.649						
TP				8.910			ROCK - E. side F.H. Blvd.
	3.009						
#1338		(8.783)	(34.460)	11.801	1806.308	~~1806.35~~ ~~1806.33~~	Panel - P.K nail - ℄ Int. F.H. Blvd & Kingstree - flush
	0.942						
TP				15.548			ROCK W. side F.H. Blvd.
	0.712						
TP				16.622			ROCK " " " "
	1.829						
TP				14.398			Rock " " " "
	0.540						
TP				15.814			ROCK " " " "
	0.710						
#1341		(4.733)	(81.970)	19.588	1729.071	1729.08	Panel - boatspike - ℄ Int. F.H. BLVD. & Emerald flush
	16.893						
TP				0.313			ROCK - N. side Emerald
	16.252						
TP				0.730			
	11.740						
	(98.486)			(125.341)			

STA	+ BS	H.I.		− F.S.	ELEV	ADJ ELEV.
#B42		(44.995)	(3.436)	2.393	[illegible]	1770.54
	5.182					
#1344		(5.182)	(3.884)	3.484	[illegible]	1772.27
	3.465					
TP				6.366		
	8.467					
TP				9.412		
	1.035					
#1343		(12.967)	(25.838)	10.060	1754.347	1759.37
	0.700					
TP				13.150		
	0.987					
TP				14.279		
	13.011					
TP (62)		(14.698)	(33.067)	5.638	1740.978	1741.01
	1.752					
#1140 (63)		(1.752)	(17.214)	17.214	1725.516	1725.54
	0.772					
#1401 (64)		(0.772)	(9.516)	9.516	1716.772	1716.80
	2.591					
TP				4.631		
	5.787					
TP (66)				11.958	1708.561	1708.59
	2.903					
TP				17.205		
	0.986					
TP				17.139		
	0.556					
TP				16.958		
	0.831					
	(49.025)			(159.403)		

SIDE LOOP

51

DESCRIPTION

Panel - nail flush - Int. Emerald & Indigo

Panel - P.K. nail on Indigo Dr. - flush

ROCK - N. SIDE Emerald Dr

ROCK - " " "

Panel - P.K. flush on Emerald Dr.

T/C - N. side Emerald

T/C - " " "

B.M. #471 - Rebar in Conc - ELEV. 1740.87 +0.14

Panel - boatspike flush - E Int. Emerald & Frisco

Panel - P.K. flush - on Emerald Dr.

Rock - N. side Emerald

ROCK - N.E. Cor. Emerald & Baron

Rock - N. side Baron

Rock - N. side Baron

ROCK - " " "

STA	+ B.S	H.I.			− F.S	ELEV	ADJ ELEV.	DESCRIPTION
TP					17.383	68.671		Rock - N. side Baron
	0.349							
TP					9.574			Rock - " " "
	4.631							
#1399					0.668	1639.919	1639.92	Panel - P.K. nail flush - on Baron Dr.
	0.689							
TP					4.653			Rock - (previous)
	9.576							
TP					0.355			Rock (previous)
	17.344							
TP					0.793	+68.671		Rock (previous)
	17.938							
TP					1.535			Rock (previous)
	17.219							
TP					1.067			Rock (previous)
	15.388							
TP					1.080	1708.590	1708.59	Rock @ N.E. cor. Emerald & Baron (previous)
	3.489							
TP					16.921			Rock - S. side Emerald
	0.451							
TP					16.749			Rock - " " "
	0.582							
#1400 (69)		(12.900)		(62.879)	12.620	1666.793	1666.82	Panel - P.K. nail flush on Emerald
	0.519							
TP					7.014			T/C N. side Emerald
	3.527							
TP					4.689			T/C " " "
	7.423							
TP					14.673			T/C " " "
	0.801							
	(99.926)				(109.774)			

SIDE LOOP CONT.

STA	+ BS	HI		- FS	ELEV	ADJ ELEV	DESCRIPTION
TP				14.880			T/C S. side Emerald
	0.902						
TP				10.629			boatspike - ℄ Int Emerald & Inca
	1.513						
TP				14.107			T/C W. side Inca
	0.299						
TP				13.689			T/C " " "
	0.837						
#1384		(15.821)		(89.272) 9.591	1593.[illegible]	1593.39	Panel - P.K. flush - ℄ Int. Inca & Amhurst
	10.698		+10.602 .6005				
TP				0.096			T/C - W. side Inca
	12.962		+12.245 .244				
#1386				0.717	1616.227	1616.23	Panel - boatspike flush - ℄ Int. Inca & Yaqui Ct.
	16.432		+16.069 .067			+16.528 -16.517 16.5225	
TP				0.363			T/C - S. side Yaqui
	9.588		17.612 .611				
#1387				1.976	1639.908	1639.90	Panel - P.K. nail flush - Yaqui Ct. cul-de-sac
	1.808		.7610				
TP				9.418			T/C - S. side Yaqui (previous)
	2.216		-16.065			-16.517	
TP				18.281			℄ Int Yaqui & Inca boatspike (previous)
	0.775		-12.243				
TP				13.018			T/C - W. side Inca (Previous)
	0.233		-10.599				
TP				10.832	1593.391	1593.38	P.K. nail flush - ℄ Int Inca & Amhurst (previous)
	0.948						
TP				9.441			ROCK - S. side Amhurst
	11.936						
TP (79)		(12.884)		(10.323) 0.882	1595.903	1595.94	ROCK - E. side Pheasant
	17.589		SIDE LOOP				
	(58.736)			(57.930)			

SIDE LOOP

STA	+ B.S.	H.I.		- FS.	ELEV	ADJ ELEV
#1385		SIDE LOOP CONT.		1.194	1612.335	1612.34
	1.120					
TP				17.520	1594.935	1594.94
	0.743					
TP				16.058		
	2.808					
81 #1383		(3.551)		(23.528)	7.470	1575.926	1575.96
	0.818					
82 #1382		(0.818)		(10.029)	10.029	1566.715	1566.75
	0.289					
TP				9.572		
	11.319					
84 #1381		(11.608)		(14.662)	5.090	1563.661	1563.70
	3.287					
TP				18.790		
	3.295					
86 #1380		(-8.532)		(25.491)	6.701	1546.702	1546.74
	16.376		16.107			
TP				0.269	1562.847	1562.85
	16.032		15.738			
#1379		(SIDE LOOP)		0.294	1578.585	1578.59
	0.304		15.738			
TP				16.042	1562.847	
	0.591		-16.107			
TP				16.700	1546.738	1546.74
	11.132					
TP				8.026		
	5.484					
TP				5.939		
	3.188					
	(68.736)			(139.694)		

DESCRIPTION

Panel - Nail flush - Pheasant cul-de-sac

ROCK (previous)

Rock - N. side Amhurst

Panel - P.K nail flush - ℄ Int. Amhurst & Teller

Panel - P.K. nail flush - ℄ Int. Amhurst & Partridge Plaza

Rock - N. side Amhurst

Panel - P.K. nail flush - 100' ± N. of Amhurst on windchime

Rock - N. side Amhurst

Panel - P.K. nail flush - ℄ Int. Amhurst & woodpecker

T/C - W. side woodpecker

Panel - P.K. nail flush - woodpecker cul-de-sac

T/C - W. side woodpecker (Previous)

P.K nail flush - Amhurst & woodpecker (previous)

T/C N. side Amhurst

ROCK - parking lot - Roma's Ristorante & Deli

STA	+ BS	HI		-FS	ELEV	ADJ ELEV	DESCRIPTION
#1377		(9.804)	(23.608)	9.643	[illegible]	-52.96	Panel - Rebar flush - ¢ Int alley & Saguaro Blvd.
	0.108						
TP		(0.108)	(9.421)	9.421	1523.55	1523.65	T/C - S. side Zaharias * See pg. 57 *
	11.996						
TP				2.078			Rock on fenceline road - Proj. bdry
	8.612						
TP				13.861			Hub " "
	3.102						
TP				10.749			Hub " "
	3.638						
TP				10.218			Hub " " behind oleanders
	4.328						
TP				9.530			HUB " "
	6.129						
TP				5.254			ROCK " "
	3.780						
TP				2.470			ROCK " "
	12.670						
		(54.255)	(58.534)	4.374	1519.306	1519.35	GLO BR.Cap 23/26 - BM #22 - EL. 1519.35 - 0.90 abv. n.g. 0.00045
	(54.363)			(77.598)	-0.044	closure	
		(1019.739)	(1019.773)				

26,280 L.F = 4.9773 mi.

$.05 \times \sqrt{4.9773} = 0.1115$

0.1115 allowable / 0.044 actual closure

TIE LEVELS - Zaharias Dr to Pan # 1396

STA	+ BS	HI		- FS	ELEV	ADJ ELEV.
	2.023					
TP				9.719		
	1.006					
TP				7.972		
	7.039					
TP				1.227		
	15.011					
TP				0.146		
	14.778					
TP				2.610		
	4.557					
TP				6.111		
	4.871					
TP				9.182		
	3.664					
				4.349	1535.265	1535.31
		(52.949)	(41.316)			

DESCRIPTION

* see pg. 55 *

T/C - S. side Zaharias Dr. from page 55 - EL. = [illegible]

Rock - dirt rd. along F.H./S.R.I.R. Fenceline

Hub - " " " " "

Rock - " " " " " Sewer Lift sta

Rock - " " " " "

Rock - " " " " "

Rock - " " " " "

Rock - " " " " "

Panel # 1396 60d Nail EL. = 1535.31 Adj.

From BK 3 pg. 29

STA	+ BS	HI			− FS	ELEV	ADJ. ELEV.
T.B.M							1799.175
	2.258						
#1339					5.024	796.404	1796.41
	4.886						
TBM					2.120	1799.175 ✓	
		(7.144)	✓	(7.144)			

T/C - Return @ Int. Kingstree & Appian Way *SEE Pg. 48*

Panel - P.K. nail flush - Int. Kingstree & Indigo Dr.

T/C - Return @ Int. Kingstree & Appian Way

TEPIC LANE

STA	+ BS	HI		- FS	ELEV	ADJ ELEV
B.M.						
	6.593	-4.109 4.103	-2.1055			
TP				10.702		
	1.839	-6.177 6.185	-6.181			
TP				8.016		
	8.751	-1.547 1.539	-1.543			
#1329				10.298	1862.437	1862.89
	8.291	7.801 -7.799	+7.800			
TP				0.490		
	7.424	2.467 -2.468	+2.465			
#1330				4.962	1873.150	1873.155
	4.947	-2.468				
TP				7.415		
	1.844	-7.799				
TP				9.643		
	10.861	1.539				
TP				9.322		
	8.014	6.185				
TP				1.829		
	10.590	4.102				
B.M.				6.488	1874.709	1874.72
		(69.154)	(69.165)			

DESCRIPTION

B.M. #302

Panel # 1108 - USGLO BR.CAP $\frac{5|4}{8|9}$ - EL. 1874.72 0.45 ABOVE

T/C - S. SIDE SIERRA MADRE DR.

" " " " "

Panel - Br. Cap flush - ℄ Int. Tepic ln. & Sierra Madre

ROCK - Ctr. Tepic ln.

Panel # 1330 - Nail flush - Cul-de-sac Tepic ln.

ROCK - ctr Tepic ln (previous)

Br. Cap - ℄ Int Tepic ln & Sierra Madre (previous)

T/C - S. side Sierra Madre (previous)

T/C - " " " (previous)

USGLO Br.Cap $\frac{5|4}{8|9}$ - EL. 1874.72

BOOK 5

CURVE FORMULAS

$T = R \tan \frac{1}{2} I$

$T = \frac{50 \tan \frac{1}{2} I}{\text{Sin. } \frac{1}{2} D}$

$\text{Sin. } \frac{1}{2}D = \frac{50}{R}$

$\text{Sin. } \frac{1}{2}D = \frac{50 \tan \frac{1}{2}I}{T}$

$R = T \cot \frac{1}{2}I$

$R = \frac{50}{\text{Sin. } \frac{1}{2}D}$

$E = R \text{ ex. sec } \frac{1}{2} I$

$E = T \tan \frac{1}{4} I$

$\text{Chord def.} = \frac{\text{chord}^2}{R}$

$\text{No. chords} = \frac{I}{D}$

$\text{Tan. def.} = \frac{1}{2} \text{ chord def.}$

The square of any distance, divided by twice the radius, will equal the distance from tangent to curve, very nearly.

To find angle for a given distance and deflection.

Rule 1. Multiply the given distance by .01745 (def. for 1° for 1 ft.) and divide given deflection by the product.

Rule 2. Multiply given deflection by 57.3, and divide the product by the given distance.

To find deflection for a given angle and distance. Multiply the angle by .01745, and the product by the distance.

GENERAL DATA

Right Angle Triangles. Square the altitude, divide by twice the base. Add quotient to base for hypotenuse.

Given Base 100, Alt. $10.10^2 \div 200 = .5$. $100 + .5 = 100.5$ hyp.

Given Hyp. 100, Alt. $25.25^2 \div 200 = 3.125$. $100 - 3.125 = 96.875$ = Base.

Error in first example, .002; in last, .045.

To find Tons of Rail in one mile of track: multiply weight per yard by 11, and divide by 7.

Leveling. The correction for curvature and refraction, in feet and decimals of feet is equal to $0.574\ d^2$, where d is the distance in miles. The correction for curvature alone is closely, $\frac{2}{3}d^2$. The combined correction is negative.

Probable Error. If d_1, d_2, d_3, etc. are the discrepancies of various results from the mean, and if Σd^2 = the sum of the squares of these differences and n = the number of observations, then the probable error of the mean = $\pm 0.6745 \sqrt{\frac{\Sigma d^2}{n(n-1)}}$

MINUTES IN DECIMALS OF A DEGREE

1'	.0167	11'	.1833	21'	.3500	31'	.5167	41'	.6833	51'	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

INCHES IN DECIMALS OF A FOOT

1/16	3/32	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729

F. H. AERIAL - P.C. 4939

LEVEL CIRCUIT BK # 2

ANDERSON - NELSON INC.
CIVIL ENGINEERS

4441 E. McDOWELL RD.
PHX, AZ. 85008

602-273-1850

REWARD IF FOUND

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FOUNTAIN HILLS - AERIAL

VERTICAL CONTROL
SECTION 10 & 11
T 3N R 6 E G.S.R.B. & M.
MARICOPA COUNTY, AZ.
8/26/91

R. JOHNSTON
B. BENEDICT

$\bar{x}$ WILD NAZ
ϕ 25' FIBERGLASS

P.C. 4939

F.S.		+	HI	−	ELEV	DESCRIPTION
1107					1791.53	N.W. COR. SEC 10 USGLO BC - FLUSH
		0.549				
				12.208	[illegible]	T.P.
		0.503				
				8.996	71.378	T.P.
		0.425				
				9.741	62.062	T.P.
		0.699				
				8.473	54.288	T.P.
		0.410				
				8.580	46.118	T.P.
		11.778				
				1.440	56.456	T.P.
		0.268				
1245				19.035	1737.689	BOAT SPIKE INT. CATALPA & GLENBROOK 0.05 BELOW PVMT. (P = 173774)
		12.917				
1246				0.100	50.506	60d NAIL 0.05' ABOVE (N.G. = 175045)
		10.605				
1247				8.370	52.741	60d NAIL FLUSH
		0.352				
				13.160	39.933	T.P. E. RIM MA
		0.204				

38.71 90.103

F.S.		+	H.I.	−	ELEV	DESCRIPTION
				9.913	1730.[illegible]	T.P.
		0.214				
				12.700	[illegible]	T.P.
		1.755				
1248				4.971	1714.52[illegible]	BOAT SPIKE INT. DOGWOOD & BALSAM FLUSH
		3.216				
				6.257	11.489	T.P.
		3.445				
				6.579	08[illegible]7	T.P.
		3.456				
				8.122	03[illegible]681	T.P.
		0.188				
				11.503	1693.866	T.P.
		1.190				
				6.822	86.73[illegible]	T.P.
		4.356				
				4.864	86.2276	T.P.
		7.005				
				1.822	91.409	T.P.
		8.992				
				1.618	98.783	T.P.
		10.384				
				1.186	1707.982	T.P.
		10.399				
		54.60		56.357		

F.S.		+	H.I	-	ELEV	DESCRIPTION
1278				1.514	[illegible]	F.H. B.C. INT MONTROSE & HAMPSTEAD FLUSH
		12.622				
B.M. 448				3.008	1726.480	1/2" REBAR IN CONC EL = 1726.48
		3.064				
				12.132	17.442	T.P.
		6.246				
1279				6.659	17.57[illegible]	P.K. FLUSH (1717.60 adj.)
		2.927				
				8.723	11.803	T.P.
		1.744				
				8.994	1704.553	T.P.
		3.517				
				7.773	00.297	T.P.
		2.509				
1120				1.704	01.[illegible]	P.K. (1701.106 adj.)
		1.552				BOATSPIKE BAINBRIDGE AVE FLUSH
				8.706	1693.[illegible]48	T.P.
	1.268	~~1.127~~	1.268			
			10.395	10.342	84.[illegible]	T.P.
		0.388				
				9.687	75.[illegible]	
		1.160				
1281				13.720	[illegible]	(1662.968 adj.)
		8.184				BOATSPIKE INT FAIRLYNN & GREENHURST FLUSH

F.S.	+	HI	-	ELEV	DESCRIPTION
1280			1.364	[illegible]	60d NAIL FLUSH (1667.789 adj.)
	2.628				
			3.313	69.097	T.P N.E. COR CONC TRANSFORMER PAD
	8.872				
			0.068	77.901	T.P.
	12.136				
			0.622	1689.475	T.P.
	11.829				
			0.950	1700.294	T.P.
	7.888				
			6.965	1707.217	T.P.
	0.270				
			11.902	1689.585	T.P.
	0.161				
			11.499	78.247	T.P.
	1.150				
			8.251	74.196	T.P.
	1.869				
			6.730	68.185	T.P B/C: S. SIDE HYDE PARK & SPRINGMONT
	2.273				
			3.342	65.216	T.P.
	5.421				
			1.871	1668.766	T.P.
	4.221				

F.S.		+	HI	−	ELEV	DESCRIPTION
						(1666.125 adj.)
1282				6.862	1666.125	BOAT SPIKE INT CONVENTRY & STRAKREST FLUSH
		7.390				
1283				0.850	72.665	60d NAIL FLUSH (1672.553 adj.)
		6.553				
				6.443	72.775	T.P.
		1.999				
				2.621	72.153	T.P.
		8.563				
				3.110	77.606	T.P.
		7.294				
				2.264	82.636	T.P.
		4.828				
1286				10.676	76.788	(1676.806 adj.) (P=1677.31 adj.) B.C. IN H.H. INT F.H. BLVD & PALISADES 0.5' BELOW
		3.448				
				8.928	74.508	T.P. E. SIDE F.H. BLVD 20' N. OF TELEPHONE 8/27/91
		1.380				
				8.912	63.976	T.P.
		0.284				
1284				9.060	59.20	P.K. INT F.H. BLVD & ARROW DR. FLUSH (1665.220 adj.)
		8.972				
				0.556	63.616	T.P.
		9.313				
				0.924	1672.005	T.P.
		7.860				
		27.809		19.452		

FS.	+	HI	−	ELEV	DESCRIPTION
			1.826	1678.039	T.P. 0.05 x √1.4962 mi =
	7.665				
			1.900	83.804	T.P. ✓ 0.06 allowable / 0.0[illegible] actual
	5.152				
			3.218	85.738	T.P. 7900 L.F. PRECISION
	12.583				0.023 = 1:343,500
B.M. 213			1.708	1696.613	1/2" REBAR IN CONC. (EL 1696.59)
	1.070				
			15.157	82.503	T.P.
	0.631				
			8.730	74.404	T.P.
	5.923				
			21.901	58.426	T.P.
	0.413				
1285			16.224	42.618	60d NAIL FLUSH
	16.021				
			0.731	57.908	T.P
	6.894				
			0.800	64.002	T.P
	11.909				
			0.728	75.183	T.P.
	6.952				
			3.591	78.544	T.P.
	5.025				
	54.838		67.859		

FS		+	HI	−	ELEV

DESCRIPTION

FS	+	HI	−	ELEV	DESCRIPTION
			8.920	1672.649	T.P.
	0.823				
1287			2.301	73.171	SET P.K. & PANEL FLUSH (1673.17[illegible] adj.)
	2.398				
			8.161	67.408	T.P.
	2.389				
			8.326	61.471	T.P.
	0.133				(1653.007 adj) (P=1653.06 adj)
1288			7.908	53.696	BOAT SPIKE INT. ALMONT & PALISADES 0.05' BELOW
	0.772				
			9.624	44.844	T.P.
	2.592				
			6.602	40.834	T.P.
	1.320				(1633.334 adj) (P=1633.38 adj)
1304			8.826	33.328	BOAT SPIKE INT. CAMBRIA & LA MONTANA 0.05' BELOW
	2.353				
1301			14.549	21.132	BOAT SPIKE INT. HAMILTON & LA MONTANA 0.05' BELOW
	13.768				(1621.138 adj) (P=1621.19 adj)
			1.364	33.536	T.P.
	8.020				
1303			4.968	36.488	60d NAIL NEAR CAMBRIA & ALMONT FLUSH
	0.852				(1636.595 adj.)
			10.371	1627.069	T.P.
	0.107				
	35.527		91.92		

F.S.		+	HI	−	ELEV	DESCRIPTION
				9.917	[illegible]	T.P.
		3.007				([illegible])
1302				6.007	14.259	60d NAIL NEAR CAMBRIA; HESBY FLUSH
		0.197				
				11.812	02.644	T.P.
		2.154				([illegible])
1300				4.465	1600.333	60d NAIL NEAR CAMBRIA; HAMILTON FLUSH
	6.455	1.101	41.164		1592.471	
				8.963	~~1592.494~~	T.P. BOAT SPIKE INT HAMILTON; BAYFIELD
		5.479				
				3.302	1594.648	T.P
		13.080				(1607.555 adj)
1297				0.183	1607.545	BOAT SPIKE INT BAYFIELD; GALATEA FLUSH
		9.368				
1299				1.736	15.177	BOAT SPIKE INT BAYFIELD; SUSSUX FLUSH
		9.591				(1615.137 adj)
				1.264	23.504	T.P.
		7.110				
1298				3.129	27.485	60d NAIL NEAR C-O-S SUSSUX FLUSH
		2.113				(1627.496 adj)
				3.640	1625.958	T.P.
		10.472				
				2.449	1633.981	T.P.
		8.093				
		65.306		15.703		

F.S.	+	HI	−	ELEV	DESCRIPTION
			0.210	1041.864	T.P.
	8.465				
			2.104	48.225	T.P.
	11.990				(1658.779 adj)
1293			1.449	58.766	60d NAIL NEAR C-D-S SHEFFIELD FLUSH
	1.328				
			10.410	49.684	T.P.
	0.403				
			9.988	40.099	T.P.
	0.202				
			8.973	31.328	T.P.
	2.516				(1628.347 adj)
1292			5.461	28.383	BOAT SPIKE INT SHEFFIELD; BAYFIELD FLUSH
	4.822				
			7.253	25.952	T.P.
	5.592				
1289			5.227	26.317	BOAT SPIKE INT ASHBROOK & KENDALL FLUSH
					(1626.319 adj)
	6.542				
			2.630	30.229	T.P.
	7.685				
			2.326	35.588	T.P.
	7.642				
			4.123	1639.107	T.P.
	7.122				
	57.187		56.031		

F.S.		+	HI	−	ELEV	DESCRIPTION
				3.019	1643.310	T.P.
		7.485				(1643.0[illegible] adj.)
1290				2.672	48.02[illegible]	BOAT SPIKE INT ASHBROOK & BRUNSWICK FLUSH
		5.864				
				1.030	57.857	T.P.
		9.370				
				0.461	61.766	T.P.
		9.330				(1670.2[illegible] adj.)
1291				0.881	70.215	P.K. BRUNSWICK FLUSH
		7.300				
				12.445	65.070	T.P.
		0.819				
1294				9.269	56.620	BOAT SPIKE INT. BRUNSWICK & FAIRFAX FLUSH
		1.984				(1656.639 adj.)
				10.613	47.991	T.P.
		0.328				
				10.456	37.863	T.P.
		2.190				
1295				7.227	32.876	BOAT SPIKE INT. FAIRFAX & EDGEWORTH FLUSH
		0.242				(1632.846 adj.)
				10.445	22.623	T.P.
		2.003				
				9.879	1614.747	T.P.
		2.433				
		49.348		78.377		

F.S.		+	HI	-	ELEV	DESCRIPTION
1296				5.954	1611.226	P.K. NEAR ASHBROOK & GALATEA FLUSH (1611.247 adj)
		4.769				
				9.685	1606.310	T.P.
		3.077				
				7.276	1602.111	T.P.
		3.514				
				5.759	1599.866	T.P.
		4.576				
				11.120	93.322	T.P.
		4.841				(1592.476 adj)
				5.710	~~1592.476~~ 1592.453	T.P. BOATSPIKE BAYFIELD & HAMILTON 8/28/91
		2.324				
				7.718	87.059	T.P.
		5.042				
				2.587	89.514	T.P.
		6.928				
				6.225	90.217	T.P.
		3.261				
				6.252	87.226	T.P.
		2.269				
				7.100	82.395	T.P.
		2.140				
				7.067	1578.468	T.P.
		3.081				
		25.045		36.947		

F.S.		+	HI	−	ELEV	DESCRIPTION
				7.117	1573.432	T.P.
		2.730				
				8.515	67.647	T.P.
		0.983				
				9.806	58.824	T.P.
		4.432				
				5.784	57.472	T.P. BOAT SPIKE INT. DEL CAMBRE & ROSITA (1551.323 adj.)
		2.303				
1277				8.478	51.297	BOAT SPIKE INT ROSITA & VALLECITO FLUSH
		6.134				
1276				4.567	52.864	60d NAIL NEAR VALLECITO DOGLEG FLUSH (1552.891 adj.)
		3.565				
				7.224	49.205	T.P.
		3.036				(1543.647 adj.)
1275				8.622	43.619	60d NAIL NEAR P.T. VALLECITO FLUSH
		2.167				
				9.010	36.776	T.P.
		2.988				(1532.829 adj.)
1274				6.963	32.801	60d NAIL NEAR VALLECITO & ROSITA FLUSH
		4.880				(1534.008 adj.)
1273				3.702	33.979	CUT NAIL INT ROSITA DOGLEG FLUSH
		13.940				
1272				5.237	1542.682	SET TACK CENTER PANEL GRANDE & ARROWHEED
		7.361				(1542.711 adj.) FLUSH
		54.519		85.025		

F.S.		+	HI	-	ELEV	DESCRIPTION
				4.179	1545.864	T.P.
		4.650				
				6.662	43.852	T.P.
		3.638				
1271				7.223	40.262	(1540.294 adj) (P = 1540.35 adj) BOAT SPIKE INT. GRANDE; EL PUEBLO 0.05 BELOW
		9.590				
				0.670	49.187	T.P.
		8.140				
1123				10.974	46.353	60d NAIL (1546.384 adj) FLUSH
		6.982				
				11.901	41.434	T.P.
		2.301				
				8.378	35.357	T.P.
		2.568				
				7.480	30.445	T.P.
		0.883				
				9.701	21.627	T.P.
		2.928				
				0.703	23.852	T.P.
		8.561				
				0.404	32.009	T.P.
		8.961				
		9.588		1.429	1539.541	T.P.
		~~7.926~~				
		68.790	~~67.128~~	69.704		

F.S.		+	HI	-	ELEV	DESCRIPTION
				3.389		
				~~1.173~~	1545.740	T.P. *
		8.400				
				2.947	51.193	T.P.
		6.968				
				4.448	53.713	T.P.
		5.028				
				6.428	52.313	T.P.
		3.390				
				7.223	48.480	T.P.
		2.457				
				7.873	43.064	T.P.
		2.194				
				7.189	38.069	T.P.
		2.302				
				3.700	36.671	T.P.
		5.261				
				4.757	37.705	T.P.
		5.850				
				4.952	38.073	T.P.
		3.300				
				7.178	34.195	T.P.
		3.309				
				7.779	1529.725	T.P.
		5.36				
		[illegible]		[illegible]	151.863	

F.S.		+	HI	−	ELEV	DESCRIPTION
						(1527.461 adj)
1269				7.654	1527.431	P.K. NEAR INT. ESCALANTE & CAYUGA FLUSH
		9.268				
1270				3.099	33.600	60d NAIL NEAR C-D-S CAYUGA FLUSH (1533.638 adj)
		1.616				
				8.873	26.333	T.P.
		0.656				
				6.596	20.393	T.P. (1528.736 adj) (P = 1528.79 adj)
		9.549				
1268				1.244	28.698	BOAT SPIKE INT ESCALANTE & HANLEY 0.05 BELOW
		4.783				
1118				10.549	22.932	U.S.G.L.O. B.C. (1522.972 adj) 1.2' ABOVE (N.G. = 1521.77 adj)
		10.431				
				2.370	30.993	T.P.
		9.162				
				1.466	38.689	T.P.
	52.633	7.168			46.359	
B.M.245				3.498	1542.359	½" REBAR IN CONC EL = 1542.40
		1.200				27.900 L.F. / 0.041 = 1:680,500
				11.482	32.118	T.P.
		6.603				PRECISION
				10.802	28.319	T.P.
		9.920				0.05 x √5.2841 =
				1.000	1538.839	T.P. 0.05 x 2.2987 = 0.1149
		8.352				✓ 0.115 allowable / 0.041 actual
	24.975	78.708		60.633		

F.S.		+	HI	−	ELEV	DESCRIPTION
				1.469	1543.722	T.P.
		7.342				
				2.688	44,370	T.P.
		8.489				
				1.816	55.04[illegible]	T.P.
		8.708				
				1.569	6[illegible].188	T.P.
		9.631				
				1.628	70.191	T.P.
		8.452				
				2.637	76,006	T.P.
		8.953				
				2.647	82.312	T.P.
		9.128				
				0.601	1590.859	T.P.
		10.399				(1600.968 adj.)
1267				0.249	1600.989	P.K. ORO GRANDE FLUSH
		11.529				
				0.773	11.745	
		12.423				
				0.450	23.718	
		8.488				(1614.558 adj.)
1266				17.622	1614.584	BOLT SPIKE INT. ORO GRANDE & CALLE DEL PRADO
		1.926				FLUSH
		105.010		34,149		

FS		+	HI	−	ELEV	DESCRIPTION
1265				9.576	[illegible]	BOAT SPIKE INT CALLE DEL PRADO ; DEERSKIN FLUSH
		0.133				
				9.504	[illegible]	T.P. NW. RIM SWR MH & WASH ; DEERSKIN
		10.401				
1263				0.878	16[illegible]7.086	P.K. INT DEERSKIN ; ESCONDITO FLUSH
		7.730				
				1.945	12.871	T.P. (1607.055 adj)
		6.518				
1262				1.957	17.482	60d NAIL NEAR ESCONDITO ; SABINAS FLUSH (1617.455 adj)
		5.215				
				4.402	18.305	T.P.
		7.044				
1261				5.810	19.539	BOAT SPIKE INT SABINAS ; ALAMOSA FLUSH (1619.501 adj)
		8.964				
				0.961	27.542	T.P.
		7.608				
1257				4.150	31.000	BOAT SPIKE INT EL PUEBLO ; IVORY FLUSH (1630.959 adj)
		3.494				
				6.692	27.802	T.P.
		3.913				
1260				6.879	24.896	BOAT SPIKE INT EL PUEBLO ; ESCONDITO FLUSH (1624.852 adj)
		10.000				
1259				3.169	31.727	60d NAIL NEAR C-O-S ESCONDITO FLUSH (1631.681 adj)
		7.819				
		78.989		55.923		

π REYNOLDS 8-30-91
φ MONTEI

FS		+	HI	−	ELEV	DESCRIPTION
				2.260	1637.286	T.P.
		10.470				(1642.887 adj)
1258				4.809	42.947	BOAT SPIKE INT IVORY & DEL RAY FLUSH
		5.604				
				3.149	45.402	
		8.652				
				0.731	1653.323	U.S.G.L.O. B.C. N.E COR SEC 11 BM#122 (EL 1653.27)
		4.362				
				5.475	52.157	T.P. $\frac{9600 \text{ L.F.}}{0.053} = 1:181,130$
		3.528				PRECISION
				8.270	47.415	T.P. $0.05 \times \sqrt{1.8182}$ mi. =
		3.419				$0.05 \times 1.3484 = .0674$
				9.864	40.970	T.P. ✓ 0.067 allowable / 0.053 actual
		3.282				
				8.976	35.276	T.P.
		3.342				
				5.790	32.828	T.P.
		7.100				
				3.201	36.727	℄ Int. Oxford & Fairlynn Dr. - Boatspike flush
		5.801				
1255				4.281	38.247	Panel @ ℄ Int. Oxford & STRATFORD CR. - Boatspike
		9.489				(1638.250) adj. Flush .03 below
				2.942	1644.794	T.P. (P = 1638.28)
		7.256				

FS		+	HI	−	ELEV.	DESCRIPTION
1256				3.374	1648.676	Panel @ Stratford Cul-de-sac P.K nail .02 above (1648.676) ADJ. (P = 1648.66)
		3.001				
				7.321	44.356	T.P.
		3.661				
				8.930	39.087	T.P.
		6.729				
1254				2.848	42.968	Panel Int. Oxford & Bristol Bay flush (1642.975) ADJ.
		10.650				
				1.069	52.549	T.P.
		10.387				
1253				1.629	61.307	Panel near Bristol Bay Cul-de-sac - Nail .05 above (1661.313) ADJ.
		12.832				
				4.409	69.730	T.P.
		12.477				
				0.383	81.824	T.P.
		14.782				
				9.818	86.788	T.P.
		1.277				
				11.873	76.192	T.P.
		2.809				
				3.650	75.351	T.P.
		7.044				
				1.105	1681.290	T.P.
		7.234				
		(92.883) ✓		(56.409) ✓		

F.S		+	H.I.	−	ELEV.	DESCRIPTION
1251				2.910	1685.614	Panel @ Int Glenbrook & Tanglewood - P.K. flush (1685.62)
		7.913				
				1.815	1691.712	T.P.
		12.889				
1252				2.432	1702.169	Panel @ Tanglewood Cul-de-sac - Nail 0.03 above (1702.179) ADJ PF 1702.15
		2.303				
				12.267	1692.205	T.P.
		1.975				
				6.973	1687.207	T.P.
		5.850				
1250				2.933	1690.124	Panel @ Int Glenbrook & Blue Jay - Set 60d Nail flush (1696.135) ADJ
		13.181				
				0.831	1702.474	T.P.
		17.688				
				0.267	1719.895	T.P.
		13.900				
1249				1.792	1732.003	Panel @ end Blue Jay Pl. - Nail 0.02 above (1732.015) ADJ. P=1732.00
		1.462				
				20.698	1713.167	T.P.
		0.440				
				16.490	1697.117	T.P.
		5.688		0.242		
				~~1.242~~	1702.563	T.P.
		13.426				
		(97.115)		(70.650)		

F.S		+	H.I.	−	ELEV.	DESCRIPTION
				0.454	1715.535	T.P.
		10.363				
				5.423	20.475	T.P.
		20.530				
				0.598	40.407	T.P.
		19.111				
				6.612	52.906	T.P.
		4.718				
				6.823	50.801	T.P.
		15.093				
				0.213	65.681	T.P.
		15.153				
				2.188	78.646	T.P.
		20.379				
				7.512	1791.513	N.W. COR. SEC 10 4/3 9/10 GLO BR Cap (EL 1791.53)

$$\frac{10{,}460 \text{ L.F.}}{0.017} = 1:615{,}300$$

PRECISION

$$\sqrt{0.05 \times \sqrt{1.9810 \text{ mi}}} = 0.099$$

✓ 0.099 allowable / 0.017 actual

342.924 ✓ (105.347 ✓) (29.823) ✓ 205.681 ✓

Reynolds
Montel 8-29-71

CHECK CIRCUIT B.M 98 TO B.M. 213

STA.	+ BS	H.I.	− F.S.	ELEV.	DESC.
B.M. #98				~~1537.39~~ 1538.24	F.H.B.M. #98 - GLO BRCAP - LC 1537.39
	5.755				
TP			1.395	1542.600	T/C @ end S. side Grande
	5.084				
TP			7.548	~~1539.286~~ 1540.136	℄ Int. Grande & El Pueblo
	7.347				
TP			1.871	1542.599	
	1.279				
			5.643	~~1537.385~~ 1538.235 ✓	

STA.	+	H I	−	ELEV.	
				1540.136	℄ Int. Grande & El Pueblo
	7.685				
TP			2.561	1545.260	T/C
	5.949				
TP			8.658	1542.551	℄ Int Grande & Arrowood - Panel
	4.659				
TP			3.770	1543.440	T/C
	8.465				
TP			0.479	1551.426	T/C
	10.857				
TP			2.064	1560.219	T/C
	4.531				
			7.408	1557.342	℄ Int Del Cambre & Rosita - Post & pike

CONT. NEXT PAGE

STA	+	HI	−	ELEV.	
					DC SK
	7.170				
TP			4.299	1560.213	T/C Previous ✓
	12.664				
TP			0.103	1572.774	T/C
	8.489				
TP			0.288	1580.975	T/C
	10.062				
TP			1.722	1589.315	T/C
	6.839				
TP			6.111	1590.043	Rob's T/P blue Keel on Grande
	6.304				
TP			6.792	1589.555	T/C Grande & Seguard
	3.407				
TP			6.301	1586.661	T/C Grande &
	9.804				
TP			4.179	1592.286	& INT. Boyfield & Hamilton - boatspike
	9.918				
TP			2.063	1600.141	Panel @ Cambria & Hamelton
	8.258				
TP			0.618	1607.781	
	9.263				
			2.982	1614.062	Panel @ Cambria & Westby
		CONT.	NEXT	PAGE	

STA.	+	HI	−	ELEV.	DESC.
	10.245				
TP			0.312	1623.995	N.
	16.232				
TP			3.850	1636.377	Panel @ Cambria & Almont
	5.129				
TP			8.373	1633.133	Panel @ La Montana & Cambria
	9.503				
TP			0.249	1642.387	T/C
	15.550				
TP			4.440	1653.497	Panel @ Palisades & Almont
	8.766				
TP			1.015	1661.248	
	10.177				
TP			0.272	1671.153	T/C
	6.243				
TP			4.431	1672.965	Panel - P.K. Nail -
	9.560				
TP			2.112	1680.413	T/C
	8.093				
TP			7.088	1687.418	Rock
	10.788				
B.M #213			1.830	1696.376	F.H.B.M. # 213 - EL. 1696.59 - Rebar in cond.

END

STA	+	H.I.	−	ELEV	DESC.
				1540.29	Panel @ ℄ Int. Grande & El Pueblo - boatspike
	4.377				
TP			10.462	1534.205	℄ INT. EL Pueblo &
	5.791				
TP			4.626	1535.370	Rob T.P. on T/C
	3.872				
TP			8.780	1530.462	Rob T.P on T/C
	3.221				
TP			12.049	1521.634	" "
	3.763				
TP			1.529	1523.868	" "
	10.479				
TP			2.333	1532.014	" "
	11.062				
TP			3.542	1539.534	" "
	9.588				
TP			3.389	1545.733	" "

FS	+	H.I.	−	ELEV.	DESC.
107				1791.53	G.L.O. B.C. 4/9 3/10 BM# 128 EL=1791.53
	6.954				
			0.320	1798.164	
	11.711				
			1.131	1808.744	
	14.438				
			1.955	21.227	
	7.646				
			1.032	27.841	
	7.254				
			3.478	31.617	
	10.112				
			12.776	28.953	

Plat 203 - BLK 3 - LOT 3

T.B.M. FOR LOT 3 TOPO

STA	+ B.S.	H.I.	- F.S.	ELEV.	ADJ ELEV.
B.M.				1639.782	
	13.840				
TP			1.527		
	13.844				
TP			0.481		
	13.103				
TP			0.122		
	13.270				
TP			0.350		
	12.901				
TP			0.337		
	10.702				
TP			2.686		
	8.479				
TP			1.566		
	7.437				
T.B.M.			3.248	1723.04	
	3.151				
TP			7.341		
	2.048				
TP			8.964		
	1.602				
TP			9.617		

CONT. NEXT PAGE

Reynolds
Tackett

10-7-91

DESCRIPTION

Panel # 1399 - P.K. Nail flush - Baron Dr.

T/C - E. side Baron

T/C - " " "

T/C W. " "

T/C E " "

T/C " " "

T/C " " "

Boatspike flush - ℄ Int. Inca & Baron

Boatspike flush - ℄ Int Inca & Cromwell

Int. Inca & Baron (previous)

T/C - E. side Baron (previous)

T/C - " " " (previous)

T.B.M. for Lot 3 Topo

STA	+ BS	HI	− FS	ELEV	ADJ ELEV	DESCRIPTION
	2.224					
TP			14.788			T/C - E. Side Baron Dr. (previous)
	1.302					
TP			14.222			T/C - W. " " " (previous)
	0.557					
TP			13.535			T/C - E. " " " (previous)
	0.942					
TP			14.299			T/C - E. " " " (previous)
	0.658					
B.M.			12.975			Panel # 1399
		END				
	(106.060)		(106.058) ✓			
	closure =		0.002			

BOOK 6

INDEX PAGE

JOB NO.	PROJECT	PAGE NUMBER
P.C. 4939	TITLE PAGE	2
*	LEVELS FROM PANEL #1122 to B.M.#176	3 - 21
	(16/15 21/22) to B.M #240 (1/4 17/16) to B.M.	
	#172 (1/4 15/22) to PANEL# 1122. Includes	
	PANELS 1132, 1134, 1137, 1141, 1310-1328,	
	1331-1334, 1338, 1341, 1345-1353	
*	LEVELS FROM PANEL #1351 to B.M.	22 - 32
	#137 (14/23) to PANEL# 1131.	
	INCLUDES PANELS 1130, 1131, 1138,	
	1139, 1354-1377, 1388, 1390-1396	

FOUNTAIN HILLS AERIAL

LEVELS

N.E. COR SEC 16 HEADING S & W.

9/27/91

R.J. T
B.B. Ø

T. 3 N., R. 6 E., G.S.R. B. & M.
MARICOPA COUNTY, AZ.

TO
ESTABLISH HIGH & LOW ALTITUDE
PHOTO PANEL ELEVATIONS.

TURNING POINTS ARE MARKED:

* = SAME TURN USED.

	+	HI	-	ELEV	F.S.	DESCRIPTION
TBM				1784.80		PANEL #1122 LOT 36 601-C
	0.163					
			8.799			T/C S. SIDE PONDEROSA LOT 35
	0.398					
			7.740			T/C S. SIDE PONDEROSA
	1.421					
			13.262			
	0.214					
			14.230			
	0.281					
			9.375			T/C W. SIDE MOUNTAINSIDE P.G.R.
	0.645					
			10.353			
	0.122			(1708.694)	1312	
7			15.664	1708.701	1312	B.C. FLUSH @ INT. MOUNTAINSIDE & LOST HILLS
	8.310					
			0.163			ROCK @ ± MOUNTAINSIDE
	11.243					
			0.606			
	13.669					
			0.120			
	6.730					
11			12.283	35.481		
	0.181			(1727.451)	1313	
			8.290	1727.462	1313	60d NAIL FLUSH W. SIDE MOUNTAINSIDE
	8.270					
			0.252	35.480		ROCK @ ± MOUNTAINSIDE *
	12.698					
			0.501			T/C E. SIDE SUNFLOWER
	12.690					
TP			0.723	1759.644		

		+	HI	−	ELEV	F.S.
TP					1759.64	
		10.150				
				0.708		
		8.170			(1775.927)	
16				1.312	1775.947	1311
		9.164				
				0.768		
		9.829				
				0.709		
		11.289				
				0.141		
		10.533				
				0.331		
		12.002				
				0.297		
	CIRCUIT	9.928			(1834.703)	1310
				1.222	1834.721	1310
		1.125				
				9.330		
		0.239				
	SUB			11.942		
		0.801				
			*	11.082		
		0.400				
				11.550		
		0.478				
			*	9.890		
		1.428			(1775.927)	1311
16				9.803	1775.946	1311
		0.430				
TP.				10.890	1765.486	

DESCRIPTION

T/C S. SIDE SUNFLOWER

T/C S. SIDE SUNFLOWER

B.C. FLUSH & INT SUNFLOWER & MIMOSA

ROCK N. SIDE SUNFLOWER

" " "

" " "

" " "

" " " 15' W. OF HYDRANT

P.K. NAIL FLUSH E. SUNFLOWER

ROCK N. SIDE SUNFLOWER * 15' W. OF HYD.

" " *

" " *

" " *

" " *

B.C. FLUSH & INT SUNFLOWER & MIMOSA

T/C W. SIDE MIMOSA

	+	HI	−	ELEV	F.S.
TP.				1765.486	
	0.569				
			10.401		
	0.098				
			3.252		
	11.276				
			0.418		
	13.144				
			0.310		
	13.883				
			0.296		
	14.300				
			16.110		
	0.811				
			10.803		
	2.820			(1775.397)	1314
25			5.374	1775.423	1314
	3.300				
			8.761		
	1.342				
			9.865		
	0.196				
			0.563		
	15.187				
			0.267		
	8.129			(1783.044)	
30			1.046	1783.075	1315
	1.067				
			13.694		
	0.670				
TP.			12.883	1768.235	

DESCRIPTION

T/C W. SIDE MIMOSA

T/C W. SIDE MIMOSA

" " "

" " "

" " "

" " "

T.C.R. (N.W) EL LAGO ; MOUNTAINSIDE

W. RIM SWR. MH MOUNTAINSIDE

60d NAIL FLUSH E SIDE MOUNTAINSIDE

ROCK ℄ ± MOUNTAINSIDE

" "

W. RIM SWR. MH MOUNTAINSIDE

ROCK ℄ ± MOUNTAINSIDE

60d NAIL 0.05' ABOVE W. SIDE MOUNTAINSIDE

W. RIM SWR. MH MOUNTAINSIDE

		+	HI	−	ELEV		F.S.	DESCRIPTION
TP					1758.235			TP W RIM SS MH
		0.443						
				6.442				W. RIM SWR. MH MOUNTAINSIDE
		12.963						
				0.596				ROCK @± MOUNTAINSIDE
		9.590			(1770.	719)	1316	
35				3.438	1770.	755	1316	GOC NAIL FLUSH E. SIDE INSIDE THISTLE
		9.215						
				0.200				ROCK @± THISTLE
		12.878						
				1.191				" " "
		10.701						
				0.262				T/C S. SIDE THISTLE
		11.580						
				0.683				T/C S.E. RADIUS THISTLE ; IRONWOOD
		13.328						
				0.073				T/C S. SIDE THISTLE
		10.327						
				0.969				" " "
		9.373						
				2.393				" " "
		7.373			(1845.	519)	1317	
43				3.595	1845.	564	1317	BOAT SPIKE FLUSH @ INTO THISTLE & CHICORY
		1.348						
				13.486				ROCK @± CHICORY
		3.430						
				6.386				ROCK @± HOT
		5.318			(1833.	824)	1318	
46				9.910	1833.	872	1318	PK NAIL FLUSH CHICORY
		11.620						
				1.586	1843.	906		ROCK 120'± S OF HB18

		+	HI	−	ELEV	F.S.
TP.					1843.906	
		12.776				
				0.222		
		14.413				
49				2.461	68.412 (1866.361)	
		0.404			11.666	
				12.070	56.746	
		0.470			9.409	
				9.879	47.337	
		0.444			8.548	
				8.992	38.789	
		2.423			5.638	
				7.961	33.251	
		2.643			5.929	
	CIRCUIT			8.572	27.322	
		1.153			13.31	
				14.463	14.012	
		4.910			8.980	
49 G				13.890	1805.032	BM 176
		13.712			(1804.99)	
				4.732	14.012 −8.98	
	SUB	13.909			13.309 −13.308	
				0.601	26.320	
		8.464			5.926 −5.982	
				2.542	33.342	
		7.571			5.536 −5.533	
				2.038	38.785	
		8.974			−8.549	
				0.425	47.324	
		9.949			9.400 −9.401	
TP.				0.548	56.725 ~~1856.683~~	

DESCRIPTION

Rock 120' ± S. of #1318

ROCK LOT 42 ± N. SIDE CHOLLA

T/C W. PL 15746 CHOLLA

T/C N. SIDE CHOLLA

" " "

" " " E. OF TWIN DEER

" " "

" " "

ROCK E. SIDE LOT 11

USGLO B.C. 16 15 / 21 22 LAD ABOVE = 1804.99

ROCK E. SIDE LOT 11 *

T/C N. SIDE CHOLLA *

*

" " " * E. OF TWIN DEER

" " " *

" " " *

	+	HI	-	ELEV	F.S.	DESCRIPTION
TR				1856.725		T/C
	11.758			11.666 / 11.665		
49			0.093	1868.390		T/C W. PL 15746 CHOLLA *
	12.809			(1868.361)		
			0.756			T/C N. SIDE CHOLLA
	12.653					
			0.823			" " " E. OF "GOLF NUT" MAILBOX
	10.027					
			0.280			" " "
	5.011					
			11.243			T/C W. SIDE SUMAC S. OF CHICORY
	~~0.626~~					
			~~1.620~~	1.611		T/C W. SIDE SUMAC N. OF CHICORY
	1.310					
			11.897			T/C N. SIDE THISTLE W. OF SUMAC
	11.650					
			0.185			T/C S. SIDE THISTLE
	13.180					
			0.160			" " "
	11.041					
			0.575			" " "
	1.074					
			13.548			ROCK 100'± N. OF THISTLE
	~~11.080~~			(1917.962)	1132	
(11)			~~2.333~~ 0.884	1914.400	1132	P.K. NAIL FLUSH EL LAGO APPROX CTR SEC 16±
9/30/91	9.933					
			0.129			T/C N. SIDE EL LAGO W. OF #1132
	10.503					
			0.502			" " "
	12.318					
			0.311	1946.628		" " "

		+	HI	-	ELEV		FS
TP					1946.698		
		12.913	13.567				
				0.536	1.197		
		11.102	11.742				
				0.370	1.011		
		12.632	13.402				
				1.330	2.106		
		6.104	5.669		(1984.113)		
(18)				3.184	2.752	1984.012	
		3.115	2.062				
				7.652	6.594		
		1.544	2.295		(1973.701)		1319
				7.404	8.173	73.703	1319
		9.856	8.543		(1974.758)		1320
				[illegible]	7.784	74.462	1320
		10.683	11.100				
(18)				[illegible]	1.444	1984.118	
9.884 8.865	* 1.019	~~10.518~~	10.522			(1984.113	
				~~0.634~~	1.657		
		10.128	11.600				
				0.447	1.921		
		9.768	10.349				
				0.880	2.410		
		10.120	11.056				
				[illegible]	[illegible]		
		10.089	11.931				
				[illegible]	0.501		
		7.353	7.011		(2026.82)		
(23)				12.035	2026.691		BM 240
		15.294					
TP				0.554	2039.520		

SUBCIRCUIT

DESCRIPTION

T/C

T/C N. SIDE EL LAGO

" " " W. OF CAVERN

" " " E. OF PALISADES

B.C. FLUSH ℄ INT EL LAGA ; PALISADES

ROCK E. SIDE FRONTAGE

P.K. NAIL FLUSH FRONTAGE N. OF EL LAGO

60d NAIL FLUSH E. OF FRONTAGE

B.C. ℄ INT EL LAGO ; ~~FRONTAGE~~ Palisades *

ROCK W. SIDE PALISADES

" " "

" " "

E/P W. SIDE PALISADES N. OF THISTLE

T/C W. SIDE PALISADES

U.S.G.L.O. B.C. 1.75 ABOVE 1/4 1/16 EL = 2026.82

LEG 2 = 2,900 LF

T/C W. SIDE PALISADES

		+	HI	−	ELEV		FS	DESCRIPTION
T.P.					2039.569			T/C
		9.435						
				1.200				T/C W. SIDE PALISADES
		8.922						
				0.618				" " "
		8.952						
				0.508				" " "
		10.273						
				2.221				PK. NAIL FLUSH ℄ JNT PALISADES & SAGE
		7.912						
				3.561				ROCK ℄ ± PALISADES S. OF SAGE
		4.402			(2078.645)		1134	
7				2.702	2078.655		1134	3/4" REBAR FLUSH W. SIDE PALISADES
		1.177						
				9.246				ROCK ℄ ± PALISADES S. OF F1134
		0.809						
				10.782				" " "
		0.612						
				12.253				" " "
		0.163						
				12.400				" " "
		0.358						
				12.512				" " "
		0.241						
				11.887				" " "
		0.589						
				10.969				" " "
		0.597						
				13.057				ROCK W. SIDE PALISADES IN DESERT
		0.242						
T.P.				0.143	7990.625			

	+	HI	−	ELEV	F.S.	DESCRIPTION
T.P.				1990.625		Rock
	10.249					
			0.384			ROCK ℄± PALISIDES N. OF RIDGEWAY
	10.034					
			0.072			ROCK 6'± W. OF FIRE HYDRANT
	3.520			(2011.916)	1321	
19			2.049	2011.923	1321	60d NAIL FLUSH N.E. COR PALISADES & RIDGEWAY
	6.339					
			1.669			ROCK ℄± PALISADES S. OF #1321
	4.082			(2015.198)	1322	
21			5.448	2015.227	1322	P.K. NAIL FLUSH ℄ PALOMINO E. OF PALISADES
	2.485					
			9.604			T/C 'S. SIDE PALOMINO
	2.103					
			8.162			" " "
	0.977			(1995.004)	1323	
24			7.989	1995.037	1323	P.K. NAIL FLUSH APPROX. ℄ PALOMINO
	3.361			(1982.437)	1325	
25			15.926	1982.472	1325	BTC FLUSH ℄ INT MUSTANG & SPOTTED HORSE
	0.510					
			10.939	72.043	"	ROCK ℄± SPOTTED HORSE
	6.356					
			10.422			" " " 80'± W OF FIRE HYDRANT
	6.308					
			11.861	50.424		
	4.736			(1947.861)	1326	
			17.265	1947.897 896	1326	60d NAIL 0.05 BELOW
	6.710					
			14.483	50.424	1309	ROCK ℄± SPOTTED HORSE *
	12.018					
T.P.			10.465	1974.977		" " " 80'± W OF FIRE HYDRANT

SUB CIRCUIT

	+	HI	−	ELEV	F.S.	DESCRIPTION
T.P.				1961.977		Rock
	10.540					
			0.470	72.047		ROCK ℄ ± SPOTTED HORSE *
	10.728			(1982.437)	1325	
25			0.301	1982.474	1325	B.C. ℄ INT SPOTTED HORSE & MUSTANG
	0.251					
			11.660			T/C S. SIDE MUSTANG E OF SPOTTED HORSE
	1.941					
			7.958			B.C. FLUSH ℄ INT MUSTANG & BUCKING BRONCO
	10.650					
			4.630			T/C S.E. COR BUCKING BRONCO & PALOMINO 2' N OF STOP SIGN
	3.957			(1967.927)	1324	
29			7.060	1967.965	1324	P.K. NAIL FLUSH ℄ ± PALOMINO E OF BUCKING BRONCO
	0.232					
			10.089			T/C N. SIDE PALOMINO
	1.761					
			8.342			" " "
	3.287			(1946.879)	1327	
32			7.899	1946.924	1327	P.K. NAIL FLUSH ℄ ± PALIMINO
	2.208					
			9.380			T/C S. SIDE PALOMINO
	0.551					
			10.523			T/C N. SIDE PALOMINO END OF CURB
	1.420					
			9.664			ROCK S. SIDE PALOMINO
	3.179			(1917.392)	1328	
36			7.273	1917.442	1328	P.K. NAIL FLUSH ℄ ± PALOMINO E. OF WILD HORSE
	0.364					
			* 10.930			ROCK N. SIDE PALOMINO
	0.101					
T.P.				1895.866		N. RIM SINR MH E. OF PINTO

	+	HI	−	ELEV	F.S.	DESCRIPTION
T.P.				1895.866		N. Rim MH. –
	0.440			(1887.027)	1331	
39			9.225	1887.081	1331	P.K. NAIL FLUSH ℄± PALOMINO E. OF PINTO
	1.894					
			8.910			ROCK S. SIDE PALOMINO
	1.545					
			12.609			N. RIM SWR. MH. W. OF OCOTILLO
	1.102			(1862.100)	1332	
42			7.944	1862.159	1332	P.K. NAIL FLUSH ℄ INT PALOMINO & OCOTILLO
	9.665					
			0.248			ROCK ℄± OCOTILLO
	9.098					
			3.529			BOAT SPIKE FLUSH ℄ INT OCOTILLO & MUSTANG
	8.193					
			3.320			T/C SIDE MUSTANG W. OF OCOTILLO
	6.824			(1886.037)	1141	
46			2.741	1886.101	1141	BOAT SPIKE FLUSH P.C. OR P.T. MUSTANG
	5.585					
			6.370			" " " "
	4.080					
			8.530			T/C W. SIDE PINTO S. OF MUSTANG
	4.629					
			6.989			" " "
	2.494					
			8.973			" " "
	1.119					
			8.363			T/C N. SIDE SUNDANCE
	8.872					
			12.130			T/C W. SIDE BUFFALO S. OF SUNDANCE
	1.108					
T.P.			9.930	1852.703		" " "

		+	HI	-	ELEV		F.S.	DESCRIPTION
T.P.					1852.703			T/C
		0.8.18						
				9.440				T/C W. SIDE BUFFALO
		0.512			(183[illegible].[illegible])		1333	
55				13.668	1830.925		1333	P.K. NAIL FLUSH ℄ ± BUFFALO
		1.247						
				9.640				ROCK ℄ ± BUFFALO
		1.151						
				11.833				ROCK N. SIDE BUFFALO
		1.153						
				10.965				" " "
		0.164						
				8.631				" " "
		2.701			(1794.743)		1334	
60				1.445	1794.827		1334	P.K. NAIL FLUSH ℄ ± PUMA N. OF BUFFALO
		10.452						
				10.201				T/C RADIUS S.E. COR. PUMA; PINTO BAL. OF STORSKY
		0.115						
				9.358				T/C N. SIDE PINTO
		0.808						
				0.734				ROCK E. SIDE FH.B. 200' N OF PINTO
		10.780						
				0.329				" " "
		13.263						
				0.241				" " "
		12.734						
				0.349				" " "
		8.990						
				3.130				" " " S. OF TREVINO
		6.293			(1832.034)			
				1.544	1832.129			TOP NUT HYDRANT S.E. COR FHB. & TREVINO (STEVE'S T.P.)

	+	HI	−	ELEV	F.S.	DESCRIPTION
10/1/91				1832.129		TOP NUT HYDRANT S.E. COR F.H.B. & TREVINO
	0.895					
			6.975			NAIL E. SIDE F.H.B.
	2.964					
			7.584			ROCK E. SIDE F.H.B. N. OF PALOMINO
	2.989					
			7.568			" " "
	2.062			~~(1806.364~~	1338	ULT (1844.35)
72			12.448	1806.464	1338	P.K. NAIL FLUSH ℄ INT. F.H.B. & KINGSTREE
	0.218					
			10.832			ROCK E. SIDE F.H.B.
	0.424					
			10.858			" " "
	0.628					
			10.819			" " "
	0.223					
			10.722			" " "
	0.422					
			10.942			" " "
	0.820					
			10.522			" " "
	0.115			(1729.077)	1341	
79			15.430	1729.189	1341	BOAT SPIKE FLUSH ℄ INT. FHB & EMERALD
	0.586					
			13.669			ROCK E. SIDE F.H.B.
	0.151					
			0.696			" " "
	9.293					
			1.493			" " " S. SIDE SAWIK
	9.890					
			0.190	1733.061		" " "

	+	HI	-	ELEV	F.S.	DESCRIPTION
T.P				1733.061		Rock
	10.012					
			0.315			ROCK E. SIDE F.H.B. 120± S. OF OCOTILLO
	10.095					
			2.869			E. RIM SWR MH ℄± INCA E. OF F.H.B.
	3.395					
			8.572			ROCK E. SIDE F.H.B.
	0.168					
			11.257			" " " S. SIDE F.H. PLACE
	0.321					
			13.503			" " "
	0.408					
			13.354			" " "
	0.394					
			10.919			" " "
	0.117					
			11.548			" " " S. SIDE SULLIVAN
	0.476					
			10.152			" " "
	0.545					
			8.763			" " "
	1.866			(1665.011)	1345	
94			4.462	1665.142	1345	P.K. NAIL FLUSH ℄ INT F.H.B. & CHAMA
	8.438					
			0.824			ROCK E. SIDE F.H.B. 60'± N. OF CHOLLA
	2.820			(1669.03)		
96	3.055		6.412	1669.164	B.M. 172	U.S.G.L.O. B.C. 1/4 15/22 0.95' ABOVE =1669.03
			102.952			LEG 3 = 10,980 LF
	6.333					ROCK E. SIDE F.H.B. 60'± N. OF CHOLLA *
			2.740			" " "
	10.305					
T.P.			0.433	1682.495		

	+	HI	−	ELEV	F.S.	DESCRIPTION
T.P.				1682.495		Rock
	10.160					
			0.352			Rock. E. Side F.H.B.
	10.957					
			0.185			" " "
	12.061					
			0.099			Rock @ E/P. 2' W. of Stop Sign F.H.B; Arroyo Vista
	12.415					
			2.208			Rock E. Side F.H.B. 25' ± S. of Ironwood
	0.307			(1710.954)	1349	
~~180~~ 7			14.590	~~1710.961~~	1349	Boat Spike Flush ℄ Int F.H.B & Segundo
	0.379					
			11.619			Rock ℄ ± Segundo
	0.181					
			9.595			" " "
	0.588					
			10.045			" " "
	2.896			(1676.332)	1350	
4			7.402	1676.~~344~~ .337	1350	60d Nail Flush S. Side Segundo
	2.018					
			6.657			Rock ℄ ± Segundo 75' ± W. of E/P
	5.370			(1671.621)	1351	
6			5.439	~~1671.636~~ .629	1351	Boat Spike Flush ℄ Int Segundo & La Montana
	11.463					
			2.698			T/C S. Side Lost Arrow
	0.393			(1673.641)	1352	
8			12.142	1673.~~658~~ .651	1352	PK Nail Flush ℄ ± Lost Arrow W. of Dogleg
	1.243					
			9.541			T/C W. Side Lost Arrow
T.P.	0.191					
			9.830	1655.721		" "

Sub Circuit

		+	HI	−	ELEV	F.S.	DESCRIPTION
T.P	—				1655.~~72~~ .714		T.C
		0.078			(1644.545)	1353	
	11			11.233	1644.~~[illegible]~~ .559	1353	P.K. NAIL FLUSH ℄ INT ARROYO VISTA & LOST ARROW
		0.348					
				10.684			T/C N.N.W. RET ARROYO VISTA & CHAMA
		6.062			(1636.975)	134[illegible]	
	13			3.293	1636.~~999~~ .992	1346	P.K. FLUSH 2'± N. ℄ INT CHAMA & MONACO
		13.788					
				0.302			T/C W. SIDE MONACO
		15.568					
				0.202			" " "
		17.829					
				0.516			ROCK ℄± MONACO
		10.283			(1688.178)	1347	
	17			5.240	1688.~~207~~ .200	1347	60d NAIL 0.05' BELOW S. & W. OF INT MONACO & DESERT SAGE
		10.352					
				0.169		"	ROCK ℄± DESERT SAGE
		10.420			(1707.549)	1348	
	19			1.229	1707.~~584~~ .574	1348	P.K. NAIL FLUSH ℄± DESERT SAGE
		2.291					
				4.973			T/C S. SIDE ARROYO VISTA
		12.110					
				1.941			ROCK E/P 2' W. OF STOP SIGN ARROYO VISTA & F.H.B. * PG 17
		2.950					
				6.030			ROCK ON RIDGE 300' W FHB 200' CHOLLA
		2.383					
				0.658			T/C S. SIDE CHOLLA E. OF ORGAN PIPE
		13.392					
				0.154			" " "
		10.476					
T.P				0.209	1737.~~218~~ .211		" " " E. SIDE D/W

SUB CIRCUIT

		+	HI	−	ELEV	F.S.	DESCRIPTION
T.P					1737.~~218~~ .211		T/C
		12.603					
				0.182			T/C S. SIDE CHOLLA
		14.050					
				0.243			" " " D/W 16145 CHOLLA
		12.655					
				0.144			" " "
		14321					
				0.514			" " "
		9.312					
				1.469			" " "
		10.360					
				0.556			" " " W. SIDE D/W 16023 CHOLLA
		6.622			(1810.462)	1137	
	32			3.522	1810.5[illegible]	1137	BOAT SPIKE FLUSH ℄ INT CHOLLA & BARREL CACTUS
		11.549					
	33			17.000	1808.[illegible]		U.S. GLO B.C. 16 15 / 21 22 1.90 ABOVE * PAGE 7
		91.472		23.050	(1804.99)	1176	EL=1804.99
					(1710.[illegible])	1349	
10/2/91	~~180~~ 7				1710.961	1349	PK NAIL FLUSH ℄ INT F.H.B. & SEGUNDO PG 17
		0.372					
				4.141			T/C E. SIDE F.H.B. S. END OF CATHOLIC CHURCH
	*	8.033					
				0.744			" " " CENTER CHURCH
		8.052					
				0.522			ROCK E. SIDE F.H.B. N. END OF CHURCH
		9.500					
				2.539			" " "
		7.133					
	33			2.383	1733.727		" " "
		7.251	1740.[illegible]				

+	HI	-	ELEV	FS	DESCRIPTION
	1740.958				
		1.944			T/C E. SIDE F.H.B CENTER PRES. CHURCH
7.090					
		5.336			ROCK E. SIDE F.H.B
2.219					
		9.094			ROCK E SIDE F.H.B
1.405					
		8.005			" " " "
2.196					
		8.816			" " "
2.220					
		9.681			" " " 50'± N. OF AVE OF THE FOUNTAINS
1.979					
		9.022			" " "
1.848					
		8.493			T/C E. SIDE F.H.B. S. ℞ SAFEWAY
2.451					
		8.459			" " "
1.876					
		8.089			" " "
3.061					
		7.849			" " " ℄ BULL NOSE N. ENTRANCE
3.265					
		2.082			T/C S. SIDE PALISADES W. OF F.H.B.
6.091					
		0.360			" " "
10.404					
		1.251			TOP HEAD WALL E. SIDE MOUNTAINSIDE
12.451					
200		0.803			B.C. FLUSH ℄ INT MOUNTAINSIDE & TUMBLEWEED
10.883	1721.153				

	+	HI	−	ELEV	F.S
		1721.133			
			1.405		
	10.858				
			0.363		
	10.981				
			1.902		
	13.833				
			0.437		
	10.753				
			0.301		
	9.618				
			0.679		
	13.037			(1784.88)	
207 - st			0.281	1784.845	1122
				0.035 closure	
	13.080		0.368		

DESCRIPTION

N. RIM SWR. MH MOUNTAINSIDE

T/C W. SIDE MOUNTAINSIDE

T/C S. SIDE PONDEROSA

" " "

" " "

" " "

60d NAIL FLUSH. - END OF LOOP -
1784.88

LEG 4 = 4010 LF

TOTAL LF (LEGS 1-4) = 20,680 LF ±
NO OF STATIONS = 207

0.05' √3.955 mi' = 0.099'
0.099 Allowable / 0.035 ACTUAL ✓ MINIMUM

	+	HI	−	ELEV	FS	DESCRIPTION
				(1661.621)	1351	BOAT SPIKE FLUSH @ INT LA MONTANA; SEGUNDO PG 17
	1.669					
1			8.333			T/C W. SIDE LA MONTANA
	1.409			(1662.416)	1355	
2			3.898	1662.468	1355	P.K. NAIL FLUSH GUNSIGHT 200± E. OF LA MONTANA
	6.395			(1659.035)	1354	
			9.829	1659.054	1354	" " " " 600± " "
	9.800					
2			6.368	1662.468 (1662.468)	1355	P.K. NAIL FLUSH
	3.129			(1662.468)	1355	
			12.316			ROCK W. SIDE LA MONTANA N. OF GUNSIGHT
	0.119			(1645.131)	1356	
4			8.265	1645.135	1356	NAIL O.OB BELOW @ INT. LA MONTANA; EL LAGO
	9.772					
			4.675			ROCK @ EL LAGO W. OF LA MONTANA
	6.641					
			5.242			" " " "
	6.209					
			5.294			" " " "
	6.883					
			3.358			" " " "
	7.440			(1659.607)	1131	
			3.902	1659.611 1659.609	1131	60d NAIL FLUSH S. SIDE EL LAGO
	3.741					
			7.279			ROCK @ EL LAGO *
	3.363					
			6.888			" " " " *
	5.279					
			6.194			" " " " *
	5.012					
			6.416	1650.227		" " " " *

SUB CREWIT

	+	HI	−	ELEV	ES	DESCRIPTION
	3.217	1653.444		(1647.131)	13[illegible]	
4			8.312	1645.132 (1645.135)	1356	NAIL 0.03 BELOW
	4.660		+0.271	45.407		
			4.389	45.406		ROCK E. SIDE LA MONTANA N. OF EL LAGO
	6.738		+4.516	(1642.[illegible])	1357	
			2.222	49.914 ~~49.922~~	1357	60d NAIL FLUSH S.E. COR LA MONTANA & STEWART VISTA
	4.941		−0.389			
			5.330	49.525 ~~49.533~~		ROCK ℄ LA MONTANA
	3.904		−1.725			
			5.629	47.801 ~~47.808~~		" " " "
	3.634		−1.533	(1646.265)	1358	
1			5.167	46.269 ~~46.275~~	1358	BOAT SPIKE FLUSH ℄ INT LA MONTANA & AVE OF FAIT.
	5.040		−1.531			
			3.509	47.866		ROCK ℄ LA MONTANA *
	5.364		−1.723			
			3.641	49.529		" " " " *
	4.648		−0.388	(1649.910)		
			4.260	49.917	1357	60d NAIL FLUSH S.E. & *
	1.876		+4.497			
			6.373	45.420		ROCK E SIDE LA MONTANA *
	3.670		+0.272			
4			3.942	45.148 (1645.135)	1356	NAIL 0.03 BELOW *
	2.205			(1645.131)	1356	
		*	7.208			ROCK N. SIDE EL LAGO E. OF LA MONTANA
	2.889					
		*	3.648			ROCK 30' ± N. OF 1359
	5.694			(1644.697)	1359	
		*	0.363	1644.704	1359	60d NAIL FLUSH S. EL LAGO
	0.273					
			8.158			ROCK 60' ± N. OF 1359 E. EL LAGO

CIRCUIT

SUB

		+	HI	-	ELEV	F.S.	DESCRIPTION
		3.060	1639.879				
				7.902			ROCK ℄ ± EL LAGO
		2.036					
				9.439			" " " W. OF VERDE RIVER
		2.069			(1622.759)	1360	
11.				3.872	1622.771	1360	60d NAIL FLUSH N.E. COR VERDE RIVER; EL LAGO
		3.785					
				0.689			ROCK ℄ ± VERDE RIVER S. OF EL LAGO
		12.849			(1633.984) 1633.996	1361	
				4.717	~~1633.999~~	1361	60d NAIL FLUSH E. OF VERDE RIVER S. OF EL LAGO
	SUB CIRCUIT	3.847					
				11.979			ROCK ℄ ± VERDE RIVER *
		0.701			(1622.759) ~~1622.777~~		
11		*		3.791	1622.771	1360	60d NAIL FLUSH
		1.153					
		*		8.129			ROCK ℄ ± EL LAGO E. OF VERDE RIVER
		2.233					
		*		8.502			" " "
		3.124					
		*		7.650			" " "
		1.619			(1599.662)	1362	
15		*		6.941	1599.678	1362	PK NAIL FLUSH ℄ INT EL LAGO; SAGUARO
		5.382					
				4.207			T/C W. SIDE SAGUARO S. OF EL LAGO
		5.802					
				9.419			" " "
		0.863			(1609.487)	1363	
18				11.843	1609.506	1363	PK NAIL FLUSH ℄ INT GUNSIGHT & ALLEY N.
		1.105					
				8.854			T/C W. SIDE SAGUARO S. OF GUNSIGHT

	+	HI	−	ELEV	F.S.	DESCRIPTION
	3.320	1605.077				
			6.867			T/C W. SIDE MEDIAN SAGUARO P.C.R. BULLNOSE
	4.384					
			1.441			
	8.735			(1608.005)	1364	
22			1.860	1608.028	1364	1/2" REBAR FLUSH @ INT SAGUARO & LAMPLIGHTER
	5.011					
			0.373			T/C N. SIDE LAMPLIGHTER W. OF SAGUARO
	12.030					
			0.343			
	7.210			(1630.165)	1365	
25			1.371	1630.192	1365	P.K. NAIL FLUSH W. OF INT LAMPLIGHTER & LAMONT
	9.099					
			3.668			ROCK @ LAMONT S. OF LAMPLIGHTER
	5.622					
			5.821			
	3.961					
			7.188			
	3.661			(1629.184)	1366	
29			6.693	1629.215	1366	P.K. NAIL FLUSH INT LAMONT & HAWK
	3.690			(1625.441)	1388	
30			7.482	1625.473	1388	" " " INT HAWK & ALLEY
	7.330			(1629.182)	1366	
31			5.688	1629.215	1366	P.K. NAIL FLUSH
	2.764					
			7.482			S. BOLT HYDRANT S.E. COR HAWK & MALTA
	3.174					
			5.521			S. COR TRANS PAD PR. L-3 & 4 MALTA
	13.300					
			2.564	1632.881		ROCK REAR LOT 4

	+	HI	−	ELEV	F.S.	DESCRIPTION
	9.059	1644.940		(1637.675)	1391	
35			4.208	1637.732	1391	60d NAIL FLUSH LOT 20 SPARROW LANE
	1.688					
			10.712			ROCK E. SIDE SPARROW
	0.349					
			8.031			
	1.610			(1615.420)	1390	
38			7.175	1615.461	1390	NAIL W/SHINER 0.03 BELOW ℄ INT. SPARROW & PARLIN
	0.348					
			8.649			T/C - N. side Parlin
	1.641					
			8.761			T/C - N. side Parlin
	4.225					
			9.050			T/C - N.W. cor. warbler & Malta
	1.720			(1589.879)	1367	
42			7.011	1589.924	1367	P.K nail flush - ℄ Int Malta & Dawn Ridge
	6.832			(1594.900)	1368	
43			7.810	1594.946	1368	60d nail - flush Lot 21 Dawn Ridge cul-de-sac
	1.704					
			9.297			T/C - N. side Malta
	1.571					
			8.957			T/C - N. side Malta
	2.944					
			10.983			ROCK - " " "
	0.918					
			3.633			ROCK - ℄ side Quinto
	8.710			(1575.729)	1369	
48			7.845	1575.780	1369	P.K nail flush ℄ Int Quinto & Salina
	1.213					
			8.581	1568.412		ROCK - E. side Quinto (Previous)

		+	H I	−	ELEV.	F.S.	DESCRIPTION
		4.383	1572.795		(1567.131)	1370	
50				5.611	1567.184	1370	Cod nail flush - Int. Quinto & Malta
		2.055					
				7.926			Rock - N. side Malta
		1.928					
				7.152			Rock - S. " "
		4.034			(1555.922)	1371	
53				4.145	1555.978	1371	Cod Nail flush - S. side Malta
		1.671					
				8.022			Rock - N. side Malta
		2.191			(1544.415)	1372	
				7.344	1544.474	1372	P.K. Nail flush & Int. Malta & Rand
		11.996					
56				0.334	1556.136		T/C - S. side Rand
		13.001					
				1.272			T/C - " " "
		16.040					
				1.801			T/C - " " "
		10.862			(1590.593)	1139	
				2.327	1590.639	1139	P.K. Nail flush Approx. Ctr. Sec 23 - Rand Dr.
		2.220					
				10.748			T/C - S. side Rand (Previous)
		0.508					
				14.744			T/C - " " " (Previous)
		0.117					
56				11.847	~~1556.145~~ 1556.136		T/C - " " " (previous)
		0.340					
				12.827			T/C - W. side Malta
		3.655					
				7.961	1539.343		Hatspike & Int. Malta & Parlin

Sun Circuit

	+	HI	−	ELEV	F.S	Description
	2.125	1541.468		(1531.124)	1376	
59			10.281	1531.187	1376	P.K Nail flush - Int. Malta & Alley w. of Saguaro Blvd
	1.951					
			6.381			T/C - W. side Saguaro Blvd.
	9.197			(~~1532.989~~)	1377 →	USE (1532.97)
61			2.901	1533.053	(1377)	Check to Panel rebar flush in median - Saguaro Blvd
	2.248					
			8.537			T/C - median Saguaro Blvd.
	2.133					
			5.559			T/C - E. side Saguaro
	7.195					
			0.931			T/C - median "
	11.458					
			0.333			T/C - " "
	9.594					
			0.808			T/C - W. side Saguaro
	6.243			(1547.470)	1375	
67			8.215	1547.541	1375	P.K. flush Int. Rand & Alley
	7.469			(1552.598)	1374	
68			2.340	[illegible]	1374	P.K. flush - Alley
	7.151					
			2.067			Rock - alley
	8.580			(1563.380)	1373	
70			2.899	1563.455	1373	boatspike flush Int. Alley & Bond Dr.
	8.284					
			2.516			T/C - median Saguaro
	5.890					
			2.864			T/C - S. side Tower Rd.
	5.563			(1569.765)	1392	
73			7.969	1569.[illegible]	1392	P.K. flush - Int. Tower & Falcon

	+	HI	−	ELEV		DESCRIPTION
	1.128	1570.971				
			13.573			Rock – S. side Tower
	1.861					
			10.298			ROCK – " " "
	3.335			(1546.887)	1393	
76			5.328	1546.968	1393	60d Nail-flush – Cor. of Tower & Tioga
	3.953					
			11.750			ROCK – N. side Tioga
	3.348					
			10.388			ROCK – S. side "
	1.673			(1530.034)	1394	
79			3.686	1530.[illegible]	1394	P.K. flush – Tioga & EL Pueblo Blvd
	6.527					
			3.781			T/C – N.E. COR. EL Pueblo & Saxon
	7.321					
			2.036			T/C – E. side EL Pueblo
	7.331			(1544.998)	1395	
82			3.395	1544.[illegible]	1395	P.K. Nail flush – Int. EL Pueblo & Sioux Dr
	1.677					
			10.566			
	8.311			(1535.312)	1396	
84			6.105	1535.[illegible]	1396	P.K. Nail flush – Int. Sioux Dr & alley
	4.129					
			[illegible]			Rock – alley along fenceline to N.
	4.428					
			[illegible]			Rock – alley " " N. of Saxon
	4.040					
			[illegible]			Rock – alley along fenceline
	5.588					
			[illegible]			Rock – along dirt rd. by fenceline

	+	HI.	−	~~ELEV~~		F.S.
	2.896	1528.342				
				10.802		
	6.666					
				5.397		
	8.381				(1525.30)	
91. END				1.793	1525.397	1138
	1.738					
				8.286		
	4.550					
				6.948		
	11.890					
				2.460		
	7.812					
				2.923		
	7.228					
				2.710		
	7.962					
				2.004		
	8.283					
				1.900		
	7.476					
				2.843		
	0.650					
				9.622		
	4.157					
				2.130		
	6.967					
				1.863		
	6.510					
				0.363	1556.471	

DESCRIPTION

Rock - Dirt rd. along fenceline west side

Rock - " " " " East side

LEG 1 = 8.74 LF

GLO BR Cap - 14/23 / BM #137 EL. 1525.30 0.25 abv n.g.

Rock - base of fenceline 3' ± to East

Rock - " " " 15' ± to East

Hub - in dirt Parcel 8

Rock - " " " "

Rock - " " " "

T/C - S. side Quail Ridge Dr.

T/C - " " " " "

Br. Cap - ℄ Int Panorama & Quail Ridge Rd.

T/C - Median Panorama

T/C - " "

T/C - " "

T/C - " "

		+	HI	−	ELEV	F.S.	DESCRIPTION
T.P					1556.471		T/C
		9.888					
				0.201			T/C - median Panorama Dr. - cul-de-sac
		8.065					
				1.268			T/C - median Panorama Dr.
		7.454					
				2.401			T/C - S. side Panorama
		6.609			(1581.693)	1130	
16				2.929	1581.688	1130	BR. Cap - NEAR Ctr. Sec. 14 - flush - panorama & Fountainhead Dr.
		6.040					
				3.195			T/C - median Panorama
		5.988					
				3.238			T/C - " "
		6.173					
				3.256			T/C - " "
		5.987					
				1.969			T/C - " "
		7.980					
				1.568			T/C - N.E. Corner - Panorama & Saguaro Blvd.
		7.985					
				3.876			T/C - N. side Palisades Blvd.
		6.851					
				3.162			T/C - " " " "
		6.753					
				3.841			T/C - " " " "
		6.240					
				2.754			T/C - " " " "
		8.219					
				1.284			T/C - " " " "
		11.243					
				0.608			T/C - " " " "
		10.497	1642.893				

	+	HI	−	ELEV	F.S	DESCRIPTION
		1642.893	1.392			T/C - S.E Cor. Palisades & La Montaña
	5.420					
			7.511			T/C - W. side La Montaña
	2.760					
			5.040			T/C - " " " "
	6.190					
			0.918			T/C - " " " "
	9.278					
			3.061			T/C - " " " " @ end of curb
	4.230					
			4.574			Rock - " " " "
	6.540					
			4.882			Rock - " " " "
	4.280					
			7.105			Rock - " " " "
	3.755					
			5.865			Rock - " " " "
	8.234					
			4.521			Rock - EL Lago
	6.767					
			4.773			Rock - EL Lago
	7.630					
			5.789			Rock - " " (Rob's)
	6.490					
			2.968			Rock - " " (Robs)
	7.350					
HI			3.819	1659.599	1131	60d Nail flush NEAR Ctr. Sec. 15 16 [illegible]
				(1659.611)	1131	