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**Facilities, Security and Safeguards  
Division**

# **LANL Survey Monument Network Manual**

APR 23 1997  
*em*

**Los Alamos**

**Los Alamos National Laboratory  
Los Alamos, New Mexico 87545**

**LOS ALAMOS FACILITIES, SECURITY AND SAFEGUARDS (FSS) DIVISION  
LANL SURVEY MONUMENT NETWORK MANUAL**

Record of Revisions

Revision No. 2

For new revisions contact Harold Salazar of the As-Built Program at (505)667-6339. As this is no longer a controlled document, it is up to the holder to periodically check for new revision. The manual is located at:

FSS-3 As-Built Mapping Section  
(TA-3, SM 1550)  
P.O. Box 1663, MS A199  
Los Alamos, NM 87545

<u>REVISION NUMBER</u>	<u>DATE OF REVISION</u>	<u>SECTION AND PARAGRAPHS REVISED</u>	<u>PURPOSE FOR REVISION</u>
0	07/01/92	Creation of entire volume.	Develop Survey Procedures Manual.
1	10/30/92		For Distribution.
2	7/15/94	Procedures elimination, requirements incorporated into Civil Standards Manual, Vol. 3.	Elimination of LANL Survey Section.

## LANL SURVEY MONUMENTS

Control monument coordinates are divided into the following two parts:

1. 1992/93 LANL Lab-wide control network.
  - A. Survey Coordinates
    - NAD83
    - NAD27 (For information only)
  - B. Location Maps
2. Previous control monuments (For information only).

**Part 1 - 1992 LANL Lab-wide Control Network.** This control network was set in 1992/93 using some of the old existing control monuments and also by setting new aluminum monuments per FSS Division survey standards. Coordinates were established through the use of GPS survey techniques. Basis for the survey were the Order "B" points "LGS ALAMOS" and "SANTAIR." These points are located at the TECH AREA 33 at LANL and the Santa Fe Airport. The system was also tied into the first order points "DOME" and "PANKEY PEAK." These control monuments are to be used to establish horizontal control for all surveys at LANL.

The GPS elevations shown are accurate to only  $\pm$  one foot unless noted otherwise.

**Part 2 - Previous Control Monuments.** These LANL monuments have been set over the last 40 years. Many of them were set from different control monuments and do not relate to each other with any degree of accuracy. As these points are updated and revised, they will be included in Part 1. Do not use these monuments to establish new control. This Section was included for information only.

For LANL survey requirements refer to FSS Division Standards, Volume 3, Civil Standards Manual, Section 215.

Reviewed by Ralph Alarid (NMPS: 5810)

**Part 1 - 1992/93 LANL Lab-wide Control Network**

**Part 1A - Survey Coordinates**

LANL SURVEY MONUMENT NETWORK MANUAL  
PART 1  
1992 LANL CONTROL MONUMENTS

These monuments are listed in order according to name.

NAME	MGPS#	MONUMENT DESCRIPTION
A0001	1001	3-1/4" DIA. BRASS CAP IN CONC. MARKED "LIMBAUGH ENGINEERING & AERIAL SURVEYS, AIRPORT"
A0002	1002	3-1/4" DIA. ALUM. CAP IN BOX. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A-0002, DATE, N.M.P.S. 11457"
A0003	1003	3-1/4" DIA ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO., DATE, N.M.P.S."
A0004	1004	3" DIA. ALUM. CAP IN CONC. MARKED "COUNTY OF LOS ALAMOS SURVEY MONUMENT"
A0005	1007	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO., DATE, N.M.P.S."
A0006	1008	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO., DATE, N.M.P.S."
A0007	1011	3-3/4" DIA. BRASS CAP IN BOX MARKED "LIMBAUGH ENGINEERING & AERIAL SURVEYS, HOSPITAL"
A0008	1006	3-3/4" DIA. BRASS CAP IN ROCK MARKED "LIMBAUGH ENGINEERING & AERIAL SURVEYS, GOLF, 7332.05"
A0009	1013	3-3/4" DIA. BRASS CAP IN BOX. MARKED "LIMBAUGH ENGINEERING & AERIAL SURVEYS, PAJARITO SCHOOL"
A0301	1012	3" DIA. BRASS CAP IN CONC. MARKED "KOOGLER & POULS ENGINEERING W.J.R.1, ELEV."
A0302	1014	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 847, N 72+80.49, E 3+91.43, ELEV. 7457.89, DATE 57"
A0303	1015	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A0303, DATE, N.M.P.S. 11457"
A0304	1016	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A0304, DATE, N.M.P.S. 11457"
A0305	1010	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO., DATE, N.M.P.S."
A0306	1017	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A0306, DATE, N.M.P.S. 11457"

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A0307	1009	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A0307, DATE, N.M.P.S. 11457"
A0308	1086	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A0308, DATE, N.M.P.S. 11457"
A0601	1038	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A0601, DATE, N.M.P.S. 11457"
A0602	1039	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. ___, N 33+ ___, E 9+91.9, ELEV. 7526.4, DATE 6-57"
A0603	1041	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO., DATE, N.M.P.S. 11457"
A0801	1042	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING A.R.R.6, ELEV."
A0802	1043	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 1289, N 10+21.40, W 49+13.31, ELEV. 7583.85, DATE 4-58" (Coordinates may be off)
A0901	1044	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A0901, DATE, N.M.P.S."
A1101	1055	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1101, DATE, N.M.P.S."
A1501	1045	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1501, DATE, N.M.P.S. 11457"
A1502	1046	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1502, DATE, N.M.P.S."
A1503	1047	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1503, DATE, N.M.P.S. 11457"
A1601	1048	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1601, DATE, N.M.P.S."
A1602	1049	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 1394, ___+72.2, ___2+09.52, ELEV. 7644.33, DATE 6-57:"
A1603	1057	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1603, DATE, N.M.P.S. 11457"
A1604	1058	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1604, DATE, N.M.P.S."
A1605	1059	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1605, DATE, N.M.P.S. 11457"
A1606	1052	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1606, DATE, N.M.P.S. 11457"
A1607	1050	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1607, DATE, N.M.P.S. 11457"

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A1608	1051	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1608, DATE, N.M.P.S."
A1609	1053	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1609, DATE, N.M.P.S."
A1610	1054	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A1610, DATE, N.M.P.S. 11457"
A2201	1040	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A2201, DATE, N.M.P.S. 11457"
A3301	1066	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 1706, S 249+90.13, E 241+83.03, ELEV. 6521.37, DATE 5-62"
A3302	1080	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY LOS-ALAMOS MARKER, B.C. NO. 1709, S 267+78.06, E 265+37.55, ELEV. 6466.96, DATE 5-62"
A3303	1081	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 1713, S 282+51.73, E 297+30.30, ELEV. 6432.08, DATE 5-62"
A3501	1025	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A3501, DATE, N.M.P.S. 11457"
A3601	1035	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 1116, S 92+67.19, E 157+51.57, ELEV. 8897.53, DATE 4-62"
A3602	1036	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 1117, DATE 4-62"
A3603	1037	2-1/2" DIA. BRASS CAP IN CONC. MARKER "LASL SURVEY MARKER, B.C. NO. 1119, S 90+62.87, E 230+53.78, ELEV. 8622.37, DATE 4-62"
A3701	1056	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A3701, DATE, N.M.P.S. 11457"
A4601	1074	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A4601, DATE, N.M.P.S. 11457"
A4602	1028	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A4602, DATE, N.M.P.S. 11457"
A4603	1029	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A4603, DATE, N.M.P.S. 11457"
A4801	1020	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A4801, DATE, N.M.P.S. 11457"
A4901	1063	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 1917, ELEV., DATE 6-62"
A4902	1064	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 1918, S 111+61.72, E 89+07.54, ELEV., DATE 6-62"
A4903	1065	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 1919, DATE 6-62"

A5001	1024	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5001, DATE, N.M.P.S. 11457"
A5002	1022	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5002, DATE, N.M.P.S. 11457"
A5101	1030	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. 5101, DATE, N.M.P.S. 11457"
A5102	1031	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5102, DATE, N.M.P.S. 11457"
A5301	1067	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5301, DATE, N.M.P.S. 11457"
A5302	1068	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING MON 6, ELEV. 7035.98, LASL+1955, X=496,020.44, Y=1,771,672.15, 1966"
A5303	1069	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5303, DATE, N.M.P.S. 11457"
A5304	1071	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5304, DATE, N.M.P.S. 11457"
A5305	1073	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5305, DATE, N.M.P.S. 11457"
A5306	1070	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5306, DATE, N.M.P.S. 11457"
A5307	1072	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5307, DATE, N.M.P.S. 11457"
A5401	1019	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 985, N 24+30.3, E 121+77.9, ELEV. 7177.0, DATE 4-"
A5401	1077	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. 588, ELEV. 6720.29, DATE 3-71"
A5402	1078	2-1/2" DIA. BRASS CAP IN CONC. MARKED "LASL SURVEY MARKER, B.C. NO. __, S 75 __, E 28 __, ELEV. __, DATE"
A5501	1021	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5501, DATE, N.M.P.S. 11457"
A5502	1023	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. A5502, DATE, N.M.P.S. 11457"
(1238)	1079	2" DIA. ALUM. CAP ON #5 REBAR MARKED "1238"
(1225)	1062	2" DIA. ALUM. CAP ON #5 REBAR MARKED "1225"
(1259)	1076	NAIL IN 1-1/4" DIA. WASHER & SHINER IN ASPH. MARKED "PLS 13155"
(1270)	1005	2" DIA. ALUM. CAP ON #5 REBAR MARKED "1270"

APM01	1083	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO., DATE, N.M.P.S."
APM02	1084	3-1/4" DIA. ALUM. CAP IN CONC. MARKED "LANL SURVEY CONTROL MONUMENT, NO. APM02, DATE, N.M.P.S. 11457"
APR05	1018	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING PAJ.5, ELEV., 1966"
APR10	1026	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING PAJ10, ELEV., 1966"
APR12	1027	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING PAJ12, ELEV., 1966"
APR16	1032	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING PAJ16, ELEV., 1966"
APR17	1033	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING PAJ17, ELEV., 1966"
APR18	1034	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING PAJ18, ELEV., 1966"
ASR42	1060	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING NMSR4-2, ELEV., 1966"
ASR47	1061	3" DIA. BRASS CAP IN CONC. MARKED "KOOGL & POULS ENGINEERING NMSR4-7, ELEV., 1966"
DOME	1075	4" DIA. BRASS CAP IN ROCK MARKED "US GEOLOGICAL SURVEY, R 1931, ELEV. ABOVE SEA LEVEL, BENCH MARK"
PANKEY- PEAK	1085	THE ORIGINAL MONUMENT HAS BEEN DESTROYED, BUT TWO REFERENCE MONUMENT CAPS WERE FOUND AND THE STATION PANKEY-PEAK WAS REESTABLISHED BY TIES FROM THESE MONUMENTS AND BY LOCATING THE ORIGINAL DRILL HOLE IN THE EXISTING BOULDER.
SANTAIR	1087	FOUND STAINLESS STEEL ROD IN 5" DIA. PVC PIPE WITH HINGED LID MARKED "SANTAIR 1987, NGS, VCM"

101 - 1010

PART 1  
 1992 LANL LAB-WIDE CONTROL NETWORK  
 NAD 83  
 (Revision as of 15 October, 1993)

Datum: NAD83  
 Zone : 3002 New Mexico Central  
 State Plane in: US Survey Feet  
 Heights are Approximate (+ or- 1 foot)  
 Heights are NGVD OF 1929

\*Elevations carried out to one decimal place were acquired with GPS techniques, and elevations carried out to three decimal places were obtained using the WILD NA3000 high precision level with data recorder.

**MAP PROJECTION TRANSFORMATION**

Projection: 1983 State Plane Transverse Mercator  
 Zone = New Mexico Central  
 Central Meridian = W 106°15'00.000000"  
 Latitude of Origin = N 31°00'00.000000"  
 Origin Northing = 0.0000 Easting = 1640416.67  
 Scale along Central Meridian = 0.999900000000  
 Linear units = US Survey Foot

Name	Gps#	Latitude	Longitude	Northing Feet	Easting Feet	*Approx. Height Feet	Convergence	Scale Factor	CSF(NAD83)
A0001	1001	35:52'44.58651" N	106:16'13.92638" W	1775240.124	1634333.482	7135.999	-0:00'43.326"	0.999900042	0.999561788
A0002	1002	35:52'54.61532" N	106:17'06.26438" W	1776255.357	1630027.105	7207.569	-0:01'14.005"	0.999900124	0.999558437
A0003	1003	35:53'36.83079" N	106:17'41.65338" W	1780524.940	1627117.111	7377.8	-0:01'34.774"	0.999900202	0.999550365
A0004	1004	35:53'30.92781" N	106:17'13.94297" W	1779927.134	1629396.676	7289.7	-0:01'18.525"	0.999900139	0.999554520
(1270)	1005	35:52'53.89788" N	106:17'09.82194" W	1776182.923	1629734.347	7210.5	-0:01'16.090"	0.999900131	0.999558305
A0008	1006	35:54'01.49782" N	106:17'56.02391" W	1783019.587	1625936.065	7331.9	-0:01'43.218"	0.999900240	0.999552588
A0005	1007	35:52'47.57078" N	106:18'10.63102" W	1775545.471	1624730.362	7328.184	-0:01'51.726"	0.999900282	0.999552824
A0006	1008	35:52'53.36249" N	106:18'21.04974" W	1776131.546	1623873.360	7319.987	-0:01'57.837"	0.999900313	0.999553244
A0307	1009	35:52'38.23180" N	106:18'45.27960" W	1774602.896	1621878.657	7323.4	-0:02'12.025"	0.999900393	0.999553154
A0305	1010	35:52'38.26969" N	106:19'19.84783" W	1774608.688	1619034.078	7362.5	-0:02'32.284"	0.999900523	0.999551406
A0007	1011	35:52'56.14146" N	106:19'09.04246" W	1776415.051	1619924.519	7310.3	-0:02'25.969"	0.999900481	0.999553858
A0301	1012	35:52'33.27778" N	106:19'48.05023" W	1774105.765	1616712.920	7489.8	-0:02'48.806"	0.999900643	0.999545433
A0009	1013	35:54'18.69904" N	106:18'55.18950" W	1784761.646	1621069.972	7434.2	-0:02'17.925"	0.999900428	0.999547869
A0302	1014	35:52'28.12720" N	106:19'42.07537" W	1773584.594	1617204.176	7457.6	-0:02'45.299"	0.999900617	0.999546949

PART 1 (Continued)  
1992 LANL LAB-WIDE CONTROL NETWORK  
NAD 83

7177.8

5701

Name	Gps#	Latitude	Longitude	Northing Feet	Easting Feet	*Approx. Height Feet	Convergence	Scale Factor	CSF(NAD83)	
A0303	1015	35:52'28.70918" N	106:19'33.91252" W	1773642.907	1617875.958	7428.3	-0:02'40.516"	0.999900581	0.999548316	
A0304	1016	35:52'11.67912" N	106:19'29.76551" W	1771920.744	1618215.902	7421.2	-0:02'38.068"	0.999900564	0.999548645	
A0306	1017	35:52'08.88520" N	106:19'13.48276" W	1771637.257	1619555.713	7401.0	-0:02'28.524"	0.999900498	0.999549549	
APR05	1018	35:51'59.02337" N	106:18'43.40391" W	1770638.457	1622030.498	7354.330	-0:02'10.891"	0.999900387	0.999551879	
A5401	1019	35:51'35.26817" N	106:17'21.51734" W	1768233.093	1628768.802	<del>6726.927</del>	-0:01'22.901"	0.999900155	0.999559903	
A4801	1020	35:51'55.21398" N	106:18'26.47386" W	1770252.441	1623423.609	7326.6	-0:02'00.969"	0.999900330	0.999552950	
A5501	1021	35:51'50.89775" N	106:18'18.10733" W	1769815.635	1624111.940	7314.1	-0:01'56.064"	0.999900304	0.999553524	
A5002	1022	35:51'48.74670" N	106:17'56.82118" W	1769394.992	1625963.632	7266.1	-0:01'43.590"	0.999900242	0.999555761	
A5502	1023	35:51'42.17149" N	106:18'03.66590" W	1768932.685	1625300.054	7284.6	-0:01'47.597"	0.999900262	0.999554897	
A5001	1024	35:51'37.10577" N	106:18'02.18578" W	1768420.430	1625421.602	7274.6	-0:01'46.726"	0.999900257	0.999555371	
A3501	1025	35:51'47.89874" N	106:17'38.75388" W	1769510.765	1627350.690	7223.5	-0:01'33.006"	0.999900195	0.999557754	
APR10	1026	35:51'20.98880" N	106:17'33.71952" W	1766789.739	1627763.847	7181.078	-0:01'30.040"	0.999900183	0.999559774	
APR12	1027	35:51'05.85400" N	106:16'53.63964" W	1765258.227	1631045.909	7089.401	-0:01'08.674"	0.999900100	0.999584083	
A4802	1028	.....DESTROYED.....								
A4803	1029	35:51'03.47450" N	106:16'42.91618" W	1765017.361	1631945.008	7075.7	-0:01'00.275"	0.999900082	0.999584722	
A5101	1030	35:50'57.81890" N	106:16'28.07400" W	1764445.197	1633166.815	7040.3	-0:00'51.581"	0.999900060	0.999586394	
A5102	1031	35:50'57.40184" N	106:16'20.18452" W	1764402.874	1633816.050	7033.1	-0:00'46.960"	0.999900050	0.999586730	
APR16	1032	35:50'41.08821" N	106:15'57.14528" W	1762753.050	1635712.323	6904.176	-0:00'33.463"	0.999900025	0.999572876	
APR17	1033	35:50'32.15378" N	106:15'50.44368" W	1761849.615	1636263.886	6827.8	-0:00'29.537"	0.999900020	0.999576520	
APR18	1034	35:50'24.19840" N	106:15'49.61172" W	1761045.246	1636332.264	6773.5	-0:00'28.048"	0.999900019	0.999579118	
A3601	1035	35:49'38.19382" N	106:16'44.19184" W	1756394.761	1631837.466	6897.5	-0:01'00.987"	0.999900084	0.999573258	
A3602	1036	35:49'44.02997" N	106:16'09.27860" W	1756984.139	1634712.342	6864.6	-0:00'40.553"	0.999900037	0.999574784	
A3603	1037	35:49'37.15432" N	106:15'15.51991" W	1756288.418	1639138.744	6622.3	-0:00'09.084"	0.999900002	0.999586336	
A0601	1038	35:51'56.00832" N	106:20'19.17295" W	1770339.681	1614148.404	7578.1	-0:03'06.998"	0.999900790	0.999541361	
A0602	1039	35:51'49.38951" N	106:20'00.89366" W	1769669.133	1615652.237	7526.5	-0:02'56.281"	0.999900702	0.999543746	
A2201	1040	35:51'40.80766" N	106:20'09.64148" W	1768802.052	1614931.502	7519.2	-0:03'01.395"	0.999900743	0.999544136	
A0603	1041	35:51'44.05546" N	106:19'20.00558" W	1769127.130	1619017.048	7438.1	-0:02'32.321"	0.999900524	0.999547805	
A0801	1042	35:51'40.93269" N	106:20'45.78743" W	1768817.461	1611958.153	7593.1	-0:03'22.559"	0.999900927	0.999540778	
A0802	1043	35:51'28.50662" N	106:20'49.65370" W	1767561.387	1611637.045	7583.6	-0:03'24.819"	0.999900948	0.999541255	
A0901	1044	35:51'21.98093" N	106:20'49.15491" W	1766899.517	1611677.444	7575.4	-0:03'24.518"	0.999900945	0.999541648	
A1501	1045	35:50'51.14488" N	106:18'35.45978" W	1763774.912	1622680.093	7308.2	-0:02'06.179"	0.999900360	0.999553871	

PART 1 (continued)  
1992 LANL LAB-WIDE CONTROL NETWORK  
NAD 83

Name	Gps#	Latitude	Longitude	Northing Feet	Easting Feet	*Approx. Height Feet	Convergence	Scale Factor	CSF(NAD83)
A1502	1046	35:50'43.41518" N	106:18'28.21864" W	1762993.012	1623275.719	7284.0	-0:02'01.932"	0.999900336	0.999555006
A1503	1047	35:50'29.08705" N	106:18'33.80850" W	1761544.586	1622814.672	7269.8	-0:02'05.194"	0.999900355	0.999555706
A1601	1048	35:51'00.50792" N	106:21'00.67891" W	1764731.378	1610726.672	7610.810	-0:03'31.237"	0.999901009	0.999540025
A1602	1049	35:50'46.70054" N	106:21'07.57116" W	1763335.914	1610157.866	7643.053	-0:03'35.254"	0.999901048	0.999538527
A1607	1050	35:50'53.39157" N	106:20'41.93360" W	1764010.311	1612269.031	7582.050	-0:03'20.249"	0.999900907	0.999541301
A1608	1051	35:50'35.96578" N	106:20'40.05420" W	1762248.257	1612422.040	7573.527	-0:03'19.125"	0.999900897	0.999541703
A1606	1052	35:50'24.58936" N	106:20'48.66747" W	1761098.693	1611711.823	7578.6	-0:03'24.154"	0.999900943	0.999541505
A1609	1053	35:50'25.81658" N	106:20'29.12289" W	1761221.228	1613320.991	7543.617	-0:03'12.711"	0.999900840	0.999543084
A1610	1054	35:50'12.48323" N	106:20'09.90379" W	1759871.673	1614902.055	7428.179	-0:03'01.442"	0.999900745	0.999548512
A1101	1055	35:50'07.82724" N	106:19'40.27171" W	1759398.868	1617341.312	7318.712	-0:02'44.087"	0.999900609	0.999553617
A3701	1056	35:50'06.63983" N	106:19'21.77985" W	1759277.639	1618863.697	7323.687	-0:02'33.260"	0.999900532	0.999553302
A1603	1057	35:50'43.35319" N	106:21'15.35407" W	1762998.142	1609516.808	7643.862	-0:03'39.807"	0.999901093	0.999538528
A1604	1058	35:50'36.15278" N	106:21'22.23048" W	1762270.725	1608949.939	7632.8	-0:03'43.823"	0.999901133	0.999539094
A1605	1059	35:50'29.33798" N	106:21'15.41569" W	1761581.084	1609510.225	7616.8	-0:03'39.822"	0.999901093	0.999539822
ASR42	1060	35:50'01.32120" N	106:21'13.75330" W	1758748.194	1609644.078	7600.7	-0:03'38.808"	0.999901084	0.999540590
ASR47	1061	35:49'49.32382" N	106:20'08.72637" W	1757529.968	1614996.941	7408.2	-0:03'00.724"	0.999900739	0.999549463
(1225)	1062	35:48'56.41112" N	106:18'19.76784" W	1752173.567	1623985.271	7109.5	-0:01'56.900"	0.999900310	0.999563343
A4901	1063	35:49'27.66138" N	106:18'13.69280" W	1755332.955	1624467.303	7172.9	-0:01'53.368"	0.999900291	0.999560289
A4902	1064	35:49'22.11583" N	106:18'08.28659" W	1754772.011	1624912.170	7156.2	-0:01'50.200"	0.999900275	0.999561073
A4903	1065	35:49'27.47272" N	106:17'52.11892" W	1755312.958	1626243.765	7127.0	-0:01'40.741"	0.999900230	0.999562425
A3301	1066	35:46'59.28371" N	106:15'10.01309" W	1740326.379	1639591.727	6521.6	-0:00'05.854"	0.999900001	0.999591015
A5301	1067	35:52'08.22149" N	106:16'15.03130" W	1771563.297	1634241.777	7064.800	-0:00'43.963"	0.999900044	0.999565203
A5302	1068	35:52'09.90998" N	106:15'50.45480" W	1771733.658	1636264.387	7035.939	-0:00'29.563"	0.999900020	0.999566558
A5303	1069	35:52'06.69323" N	106:15'52.14833" W	1771408.435	1636124.966	6997.257	-0:00'30.555"	0.999900021	0.999568410
A5306	1070	35:52'13.26889" N	106:15'26.33915" W	1772073.059	1638249.058	7010.557	-0:00'15.433"	0.999900005	0.999567760
A5304	1071	35:51'56.25907" N	106:15'34.33028" W	1770353.264	1637591.252	6947.458	-0:00'20.113"	0.999900009	0.999570782
A5307	1072	35:52'07.17207" N	106:15'17.00257" W	1771456.566	1639017.392	6961.392	-0:00'09.962"	0.999900002	0.999570106
A5305	1073	35:51'55.60378" N	106:15'23.02588" W	1770286.933	1638521.611	6944.741	-0:00'13.490"	0.999900004	0.999570907
A4601	1074	35:51'09.41099" N	106:16'59.51182" W	1765618.025	1630579.123	7100.734	-0:01'03.998"	0.999900111	0.999563553
DOME	1075	35:45'26.59511" N	106:22'14.74549" W	1730976.902	1604588.104	8464.0	-0:04'14.045"	0.999901469	0.999499772

PART 1 (continued)  
 1992 LANL LAB-WIDE CONTROL NETWORK  
 NAD 83

Name	Gps#	Latitude	Longitude	Northing Feet	Easting Feet	*Approx. Height Feet	Convergence	Scale Factor	CSF(NAD83)
(1259)	1076	35:52'00.84567" N	106:13'08.68545" W	1770818.323	1649579.459	6360.1	0:01'05.231"	0.999900098	0.999598955
A5401	1077	35:49'51.67228" N	106:14'27.15000" W	1757756.408	1643121.428	6720.4	0:00'19.230"	0.999900008	0.999581655
A5402	1078	35:49'49.92269" N	106:14'10.15511" W	1757579.673	1644520.758	6673.421	0:00'29.178"	0.999900019	0.999583909
(1238)	1079	35:49'37.99560" N	106:14'06.41878" W	1756373.786	1644828.579	6574.3	0:00'31.363"	0.999900022	0.999588658
A3302-LA	1080	35:46'40.62444" N	106:14'42.52370" W	1738439.804	1641856.585	6466.971	0:0'10.217"	0.999900002	0.999593781
A3303	1081	35:46'24.70828" N	106:14'04.59228" W	1736830.880	1644982.045	6432.3	0:00'32.390"	0.999900024	0.999595469
APM01	1083	35:53'11.04020" N	106:23'16.37246" W	1777943.012	1599575.394	9975.9	-0:04'50.964"	0.999901909	0.999427824
APM02	1084	35:53'12.42609" N	106:23'11.44891" W	1778082.570	1599980.697	9885.5	-0:04'48.080"	0.999901871	0.999432106
BSR26		35:47'13.73762" N	106:15'44.84671" W	1741797.579	1636549.447	6588.5	-0:00'27.450"	0.999900020	0.999587672
BSR36		35:47'14.37416" N	106:15'02.87493" W	1741861.707	1640007.245	6266.4	-0:00'02.910"	0.999900000	0.999603060
BSR25		35:47'28.34336" N	106:16'01.14448" W	1743274.509	1635207.038	6809.5	-0:00'36.990"	0.999900030	0.999586677
B3902		35:47'42.76527" N	106:15'18.54738" W	1744732.259	1638716.260	6328.4	-0:00'12.070"	0.999900000	0.999600096
B3901		35:47'54.04087" N	106:15'36.30100" W	1745872.430	1637253.920	6370.1	-0:00'22.460"	0.999900010	0.999598109
B3303		35:47'08.29679" N	106:15'18.33952" W	1741035.484	1638905.781	6530.0	-0:00'10.720"	0.999900000	0.999590449
B3301		35:46'55.65689" N	106:15'24.26372" W	1739959.735	1638417.648	6544.7	-0:00'14.190"	0.999900000	0.999590449
B3302		35:46'40.42820" N	106:15'11.76202" W	1738420.043	1639447.574	6495.7	-0:00'06.880"	0.999900000	0.999592092
B5202		35:51'44.46070" N	106:16'40.74745" W	1769161.389	1632124.715	7050.9	-0:00'59.020"	0.999900080	0.999585616
B5201		35:51'31.31308" N	106:16'37.86194" W	1767831.976	1632361.834	7092.0	-0:00'57.330"	0.999900070	0.999563638
B6001		35:52'02.47175" N	106:17'34.09895" W	1770984.063	1627734.451	7240.4	-0:01'30.290"	0.999900180	0.999558650
B6002		35:51'59.48034" N	106:17'19.54838" W	1770681.104	1628931.831	7206.0	-0:01'21.760"	0.999900150	0.999558171
B0001		35:52'22.82556" N	106:13'59.45489" W	1773039.678	1645399.117	6731.675	0:00'35.480"	0.999900030	0.999580833
B0002		35:52'08.67096" N	106:12'39.32276" W	1771610.397	1651994.035	6309.909	0:01'22.430"	0.999900150	0.999601128
B0003		35:51'31.18930" N	106:13'27.20294" W	1767819.348	1648054.821	6503.159	0:00'54.360"	0.999900070	0.999591804
B0004		35:51'05.37146" N	106:13'10.61729" W	1765209.321	1649420.588	6538.230	0:01'04.060"	0.999900090	0.999590147
B0005		35:49'44.85847" N	106:12'23.44223" W	1757070.210	1653307.425	6389.705	0:01'31.640"	0.999900190	0.999597351
B0006		35:49'23.21708" N	106:13'16.12323" W	1754880.476	1648970.388	6522.994	0:01'00.800"	0.999900080	0.999590865
P-PEAK	1085	35:44'55.45260" N	106:08'56.05533" W	1727821.562	1670413.585	7219.1	0:03'32.628"	0.999901030	0.999558840
A0308	1086	35:52'18.94270" N	106:18'56.64412" W	1772653.199	1620942.172	7368.0	-0:02'18.667"	0.999900434	0.999551064
SANTAIR TOWER	1087	35:37'34.06649" N	106:04'38.79771" W	1683224.171	1691695.602	6353.4	0:06'01.847"	0.999903009	0.999602197

Taken on top of punch mark of center bolt @ the  
 base of radio station tower on Pajarito Mountain

PART 1  
 1992 LANL LAB-2ID3 CONTROL NETWORK  
 NAD 27  
 (TO BE USED FOR INFORMATION ONLY)

Datum: NAD27  
 Zone : 3002 New Mexico Central  
 State Plane in: US Survey Feet  
 Heights are Approximate (+ or- 1 foot)  
 Heights are NGVD OF 1929

MAP PROJECTION TRANSFORMATION  
 Projection: 1927 State Plane Transverse Mercator  
 Zone = New Mexico Central  
 Central Meridian = W 106°15'00.000000"  
 Latitude of Origin = N 31°00'00.000000"  
 Origin Northing = 0.0000 Easting = 500000  
 Scale along Central Meridian = 0.999900000000  
 Linear units = US Survey Foot

Name	GPS#	Latitude	Longitude	Northing Feet	Easting Feet	Approx. Height Feet	Convergence	Scale factor
A0001	1001	35:52'44.50282" N	106:16'11.82906" W	1775178.424	494089.256	7136.0	-0:00'42.097"	0.999900040
A0002	1002	35:52'54.53206" N	106:17'04.16611" W	1776193.649	489782.848	7207.6	-0:01'12.775"	0.999800119
A0003	1003	35:53'36.74894" N	106:17'39.55434" W	1780463.248	486872.822	7377.8	-0:01'33.543"	0.999900197
A0004	1004	35:53'30.84572" N	106:17'11.84445" W	1779865.446	489152.402	7289.7	-0:01'17.294"	0.999800135
(1270)	1005	35:52'53.81460" N	106:17'07.72361" W	1776121.213	489490.089	7210.5	-0:01'14.860"	0.999900126
A0008	1006	35:54'01.41678" N	106:17'53.92454" W	1782957.906	485691.761	7331.9	-0:01'41.985"	0.999800234
A0005	1007	35:52'47.48743" N	106:18'08.53162" W	1775483.741	484486.075	7328.1	-0:01'50.496"	0.999800275
A0006	1008	35:52'53.27934" N	106:18'18.95014" W	1776069.815	483629.085	7319.9	-0:01'56.606"	0.999900307
A0307	1009	35:52'38.14823" N	106:18'43.17972" W	1774541.150	481634.347	7323.449	-0:02'10.794"	0.999900386
A0305	1010	35:52'38.18618" N	106:19'17.74723" W	1774546.931	478789.759	7362.669	-0:02'31.053"	0.999900515
A0007	1011	35:52'56.05840" N	106:19'06.94200" W	1776353.299	479680.199	7310.3	-0:02'24.737"	0.999900473
A0301	1012	35:52'33.19418" N	106:19'45.94915" W	1774043.998	476468.588	7490.047	-0:02'47.575"	0.999900634
A0009	1013	35:54'18.61866" N	106:18'53.08913" W	1784699.958	480825.623	7434.2	-0:02'16.694"	0.999900421

TO BE USED FOR INFORMATION ONLY

PART 1 (continued)  
 1992 LANL LAB-2ID3 CONTROL NETWORK  
 NAD 27

Name	GPS#	Latitude	Longitude	Northing Feet	Easting Feet	Approx. Height Feet	Convergence	Scale factor
A0302	1014	35:52'28.04342" N	106:19'39.97441" W	1773522.825	476959.849	7457.904	-0:02'44.068"	0.999900608
A0303	1015	35:52'28.62540" N	106:19'31.81171" W	1773581.141	477631.634	7428.485	-0:02'39.285"	0.999900573
A0304	1016	35:52'11.59470" N	106:19'27.66482" W	1771858.959	477971.587	7421.363	-0:02'36.837"	0.999900555
A0306	1017	35:52'08.80085" N	106:19'11.38237" W	1771575.494	479311.407	7401.102	-0:02'27.293"	0.999900490
APAJ5	1018	35:51'58.93855" N	106:18'41.30398" W	1770576.687	481786.211	7354.3	-0:02'09.661"	0.999900380
A5401	1019	35:51'35.18243" N	106:17'19.41904" W	1768171.332	488524.565	6720.327	-0:01'21.672"	0.999900151
A4801	1020	35:51'55.12899" N	106:18'24.37434" W	1770190.672	483179.333	7326.674	-0:01'59.739"	0.999900324
A5501	1021	35:51'50.81262" N	106:18'16.00798" W	1769753.867	483867.669	7314.105	-0:01'54.834"	0.999900298
A5002	1022	35:51'46.66139" N	106:17'54.72222" W	1769333.227	485619.373	7266.039	-0:01'42.360"	0.999900237
A5502	1023	35:51'42.08605" N	106:18'01.56674" W	1768870.915	485055.792	7284.587	-0:01'46.367"	0.999900256
A5001	1024	35:51'37.02017" N	106:18'00.08676" W	1768358.658	485177.343	7274.676	-0:01'45.496"	0.999900251
A3501	1025	35:51'47.81343" N	106:17'36.65524" W	1769449.007	487106.440	7223.577	-0:01'31.776"	0.999900190
APR10	1026	35:51'20.90263" N	106:17'31.62105" W	1768727.966	487519.609	7181.1	-0:01'28.811"	0.999900178
APR12	1027	35:51'05.76736" N	106:16'51.74192" W	1765196.464	490801.696	7089.4	-0:01'05.445"	0.999900097
A4602	1028	35:51'12.87628" N	106:16'44.06199" W	1765915.028	491434.101	7078.242	-0:01'00.950"	0.999900084
A4603	1029	35:51'03.38776" N	106:16'40.81867" W	1764955.600	491700.801	7075.809	-0:00'59.047"	0.999900079
A5101	1030	35:50'57.73195" N	106:16'25.97887" W	1764383.437	492922.410	7040.406	-0:00'50.352"	0.999900057
A5102	1031	35:50'57.31477" N	106:16'18.08742" W	1764341.106	493571.858	7033.221	-0:00'45.732"	0.999900047
APR16	1032	35:50'41.00057" N	106:15'55.04865" W	1762691.278	495468.147	6904.1	-0:00'32.235"	0.999900024
APR17	1033	35:50'32.06584" N	106:15'48.34720" W	1761787.839	496019.717	6827.8	-0:00'28.309"	0.999900018
APR18	1034	35:50'24.11030" N	106:15'47.51527" W	1760983.475	496088.099	6773.5	-0:00'27.821"	0.999900018
A3601	1035	35:49'38.10427" N	106:16'42.09437" W	1756332.936	491593.289	6897.5	-0:00'59.760"	0.999900081
A3602	1036	35:49'43.94054" N	106:16'07.18194" W	1756922.328	494468.180	6864.6	-0:00'39.326"	0.999900035
A3603	1037	35:49'37.06456" N	106:15'13.42422" W	1756226.618	498894.611	6622.3	-0:00'07.857"	0.999900001
A0601	1038	35:51'55.92350" N	106:20'17.07143" W	1770277.872	473904.070	7578.267	-0:03'05.767"	0.999900779
A0602	1039	35:51'49.30454" N	106:19'58.79248" W	1769607.334	475407.915	7526.622	-0:02'55.050"	0.999900692
A2201	1040	35:51'40.72244" N	106:20'07.54018" W	1768740.247	474687.178	7519.299	-0:03'00.164"	0.999900733
A0603	1041	35:51'43.97023" N	106:19'17.90514" W	1769065.339	478772.749	7438.217	-0:02'31.090"	0.999900516

TO BE USED FOR INFORMATION ONLY

PART 1 (continued)  
1992 LANL LAB-2ID3 CONTROL NETWORK  
NAD 27

Name	GPS#	Latitude	Longitude	Northing Feet	Easting Feet	Approx. Height Feet	Convergence	Scale factor
A0801	1042	35:51'40.84754" N	106:20'43.66548" W	1768755.645	471713.811	7593.329	-0:03'21.328"	0.999900916
A0802	1043	35:51'28.42108" N	106:20'47.55172" W	1767499.561	471392.705	7583.814	-0:03'23.587"	0.999900937
A0901	1044	35:51'21.87519" N	106:20'47.05296" W	1766837.688	471433.106	7575.505	-0:03'23.286"	0.999900934
A1501	1045	35:50'51.05788" N	106:18'33.36030" W	1763713.102	482435.834	7308.135	-0:02'04.950"	0.999900353
A1502	1046	35:50'43.32792" N	106:18'26.11931" W	1762931.198	483031.467	7283.943	-0:02'00.703"	0.999900330
A1503	1047	35:50'28.99935" N	106:18'31.70912" W	1761482.762	482570.422	7269.792	-0:02'03.964"	0.999900348
A1601	1048	35:51'00.42151" N	106:20'58.57682" W	1764669.531	470482.336	7610.7	-0:03'30.006"	0.999900997
A1602	1049	35:50'46.61371" N	106:21'05.46899" W	1763274.057	469913.531	7643.0	-0:03'34.023"	0.999901036
A1607	1050	35:50'53.30490" N	106:20'39.83196" W	1763948.466	472024.699	7582.0	-0:03'19.018"	0.999900896
A1608	1051	35:50'35.87855" N	106:20'37.95265" W	1762186.402	472177.715	7573.5	-0:03'17.895"	0.999900886
A1606	1052	35:50'24.50170" N	106:20'46.56570" W	1761036.819	471467.506	7578.701	-0:03'22.923"	0.999900932
A1609	1053	35:50'25.72901" N	106:20'27.02147" W	1761159.369	473076.683	7543.5	-0:03'11.481"	0.999900830
A1610	1054	35:50'12.39510" N	106:20'07.80276" W	1759809.802	474657.761	7428.1	-0:03'00.211"	0.999900735
A1101	1055	35:50'07.73890" N	106:19'38.17122" W	1759337.002	477097.035	7318.6	-0:02'42.858"	0.999900600
A3701	1056	35:50'06.55152" N	106:19'19.67968" W	1759215.788	478619.430	7323.7	-0:02'32.030"	0.999900523
A1603	1057	35:50'43.26627" N	106:21'13.25177" W	1762938.281	469272.471	7643.8	-0:03'38.576"	0.999901081
A1604	1058	35:50'36.06564" N	106:21'20.12808" W	1762208.857	468705.601	7632.935	-0:03'42.592"	0.999901121
A1605	1059	35:50'29.25062" N	106:21'13.31344" W	1761519.215	469285.892	7616.967	-0:03'38.591"	0.999901081
ASR42	1060	35:50'01.23295" N	106:21'11.65126" W	1758686.308	469399.748	7600.7	-0:03'37.577"	0.999901072
ASR47	1061	35:49'49.23506" N	106:20'06.82542" W	1757468.094	474752.657	7408.2	-0:02'59.494"	0.999900729
(1225)	1062	35:48'56.32044" N	106:18'17.66900" W	1752111.689	483721.060	7109.5	-0:01'55.671"	0.999900303
A4901	1063	35:49'27.57168" N	106:18'11.59407" W	1755271.099	484223.075	7172.9	-0:01'52.140"	0.999900285
A4902	1064	35:49'22.02595" N	106:18'06.18787" W	1754710.153	484667.956	7156.2	-0:01'48.972"	0.999900269
A4903	1065	35:49'27.38297" N	106:17'50.02048" W	1755251.107	485999.556	7127.0	-0:01'39.513"	0.999900224
A3301	1066	35:46'59.18891" N	106:15'07.91798" W	1740264.482	499347.652	6521.6	-0:00'04.629"	0.999900000
A5301	1067	35:52'08.13665" N	106:16'12.93418" W	1771501.574	493997.555	7064.7	-0:00'42.734"	0.999900041
A5302	1068	35:52'09.82515" N	106:15'48.35802" W	1771671.944	496020.183	7035.9	-0:00'28.334"	0.999900018
A5303	1069	35:52'06.60820" N	106:15'50.05152" W	1771346.708	495880.764	6997.3	-0:00'29.326"	0.999900019
A5306	1070	35:52'13.18412" N	106:15'24.24278" W	1772011.354	498004.867	7010.5	-0:00'14.205"	0.999900005

**TO BE USED FOR INFORMATION ONLY**

PART 1 (continued)  
 1992 LANL LAB-2ID3 CONTROL NETWORK  
 NAD 27

Name	GPS#	Latitude	Longitude	Northing Feet	Easting Feet	Approx. Height Feet	Convergence	Scale factor
A5304	1071	35:51:56.17377" N	106:15:32.23882" W	1730291.546	497347.063	6947.4	-0:00:18.885"	0.999900008
A5307	1072	35:52:07.08708" N	106:15:14.90839" W	1771394.859	498773.207	6961.4	-0:00:08.734"	0.999900002
A5305	1073	35:51:55.51844" N	106:15:20.92963" W	1770225.217	498277.426	6944.7	-0:00:12.282"	0.999900003
A4601	1074	35:51:09.32438" N	106:16:57.41399" W	1765556.254	490334.908	7100.7	-0:01:08.769"	0.999900107
DOVE (1259)	1075	35:45:26.49822" N	106:22:12.64312" W	1730914.827	464343.846	8464.0	0:04:12.816"	0.999901455
A5401	1076	35:52:00.76021" N	106:13:06.57157" W	1770756.648	509335.342	6360.1	0:01:06.458"	0.999900100
A5402	1077	35:49:51.58288" N	106:14:25.05522" W	1757694.630	602877.307	6720.4	0:00:20.456"	0.999900009
(1238)	1078	35:49:49.83320" N	106:14:08.06055" W	1757517.899	504276.652	6673.5	0:00:30.404"	0.999900021
A3302-1A	1079	35:49:37.90573" N	106:14:04.32432" W	1756312.007	504584.481	6574.4	0:00:32.589"	0.999900024
A3303	1080	35:46:40.52898" N	106:14:46.42814" W	1738377.903	501612.511	6467.1	0:00:11.442"	0.999900003
APM01	1081	35:46:24.61224" N	106:14:02.49845" W	1736768.979	504738.015	6432.3	0:00:33.614"	0.999900026
APM02	1082	35:53:10.95832" N	106:23:49.26755" W	1777881.219	459330.944	9975.9	-0:04:49.730"	0.999901893
PANKEY-PEAK	1083	35:53:12.34415" N	106:23:09.34409" W	1778020.770	459736.248	9885.5	-0:04:46.846"	0.999901855
AO308	1084	35:44:55.35308" N	106:08:53.96725" W	1727759.693	530169.743	7219.1	0:03:33.847"	0.999901042
SANTAIR (F)	1085	35:52:18.85864" N	106:18:54.54400" W	1772591.438	480897.871	7368.083	-0:02:17.436"	0.999900426
	1086	35:37:33.95229" N	106:04:36.71556" W	1683162.099	551452.043	6353.4	0:06:03.05	0.999903030

TO BE USED FOR INFORMATION ONLY

**Part 1B - Location Maps**

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

(1225)  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
2' aluminum cap on #5 rebar marked "1225."
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS, STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.

MAP NOT AVAILABLE

Date of Field Work \_\_\_\_\_

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

<u>Accepted For Filing</u>	<u>Location Data</u>
Central Point	Tech. Area <u>South of TA-49</u>
By _____	Nearest Building No. _____
Date _____	Distance & Bearing to Bldg. _____
Reference _____	Coordinates:
	Y= <u>1752173.567'</u>
	X= <u>1623965.271'</u>
	Z= <u>7109.5'</u>

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

(1238)  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
2" aluminum cap on #5 rebar marked "1238."
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.

**MAP NOT AVAILABLE**

Date of Field Work \_\_\_\_\_

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

Accepted For Filing	Location Data
Central Point	Tech. Area <u>South of TA-54</u>
By _____	Nearest Building No. _____
Date _____	Distance & Bearing to Bldg. _____
Reference _____	Coordinates:
	Y= <u>1756373.786'</u>
	X= <u>1644828.579'</u>
	Z= <u>6574.3'</u>

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

1259  
Monument #

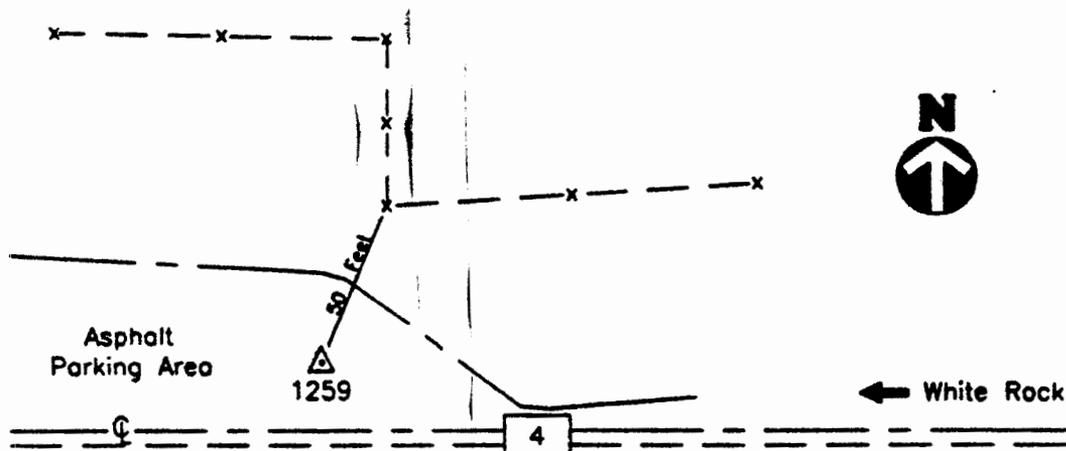
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

6" spike set in 1.25" diameter washer set in 2" diameter shiner flush with asphalt pavement. Monument is located in an asphalt parking area situated on the north side of NMSR 4 approximately 2500 feet west of the junction of NMSR 4 and NMSR 502. Monument is approximately 50 feet SW of the SW corner of a barbed wire fence.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 9/30/92

<p><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p><u>Location Data</u></p> <p>Tech. Area _____</p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1770818.301</u></p> <p>X= <u>1649578.893</u></p> <p>Z= <u>6360.2</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

(1270)  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
2" aluminum cap on #5 rebar marked "1270."
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.

MAP NOT AVAILABLE

Date of Field Work \_\_\_\_\_

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Date: \_\_\_\_\_

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>Townsite</u>
Nearest Building No. _____
Distance & Bearing to Bldg. _____
Coordinates:
Y= <u>1776182.923'</u>
X= <u>1629734.347'</u>
Z= <u>7210.5'</u>

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0001  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

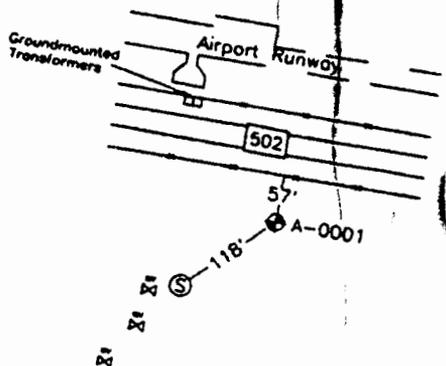
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.75" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LIMBAUGH ENGINEERING & AERIAL SURVEYS INC." dimpled, and labeled "AIRPORT." The monument is situated 57' southerly of a barbed wire fence bounding the southerly right-of-way of NMSR 502, 118' northeasterly of a sewer manhole adjacent to three water valves, southerly of the municipal airport, and within the Los Alamos townsite.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

Location Data

Tech. Area Townsite

Nearest Building No. \_\_\_\_\_

Distance & Bearing to Bldg. \_\_\_\_\_

Coordinates:

Y= 1775240.124'

X= 1634333.482'

Z= 7136.0'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0002

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

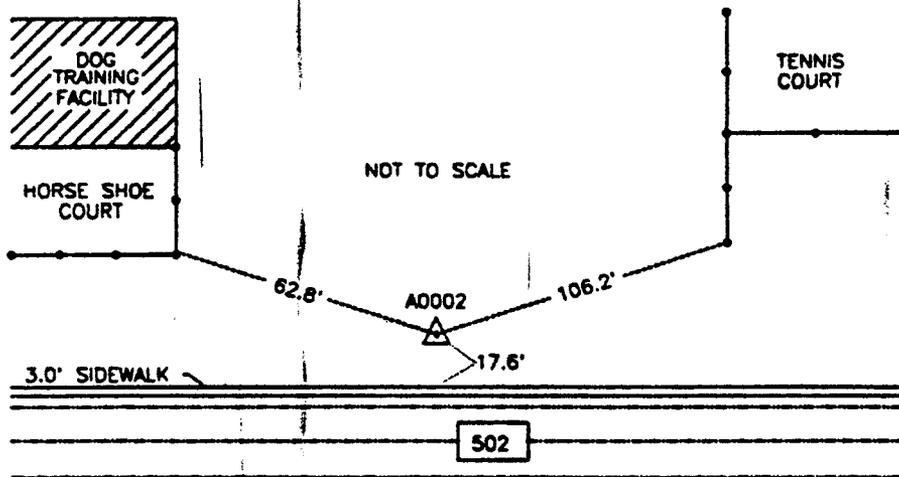
All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other NEW MONUMENT

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete c.o. 0.2' below grade and contained within a 12" water meter box. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A0002," dated 1992, and was set by NMPS 11457. The monument is situated c.o. 25' northerly of the northerly edge of pavement of NMSR 502, and opposite the municiple swimming pool, all being within the Los Alamos townsite.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/1/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_

Firm Name: MERRICK & COMPANY

Firm Address: 600 6th St., Suite 103

Phone: (505) 662-2194

Date: \_\_\_\_\_

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area Townsite

Nearest Building No. \_\_\_\_\_

Distance & Bearing to Bldg.

62.8 NW to Fence Corner

Coordinates:

Y= 1776255.357'

X= 1630027.105'

Z= 7207.6'

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0003  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

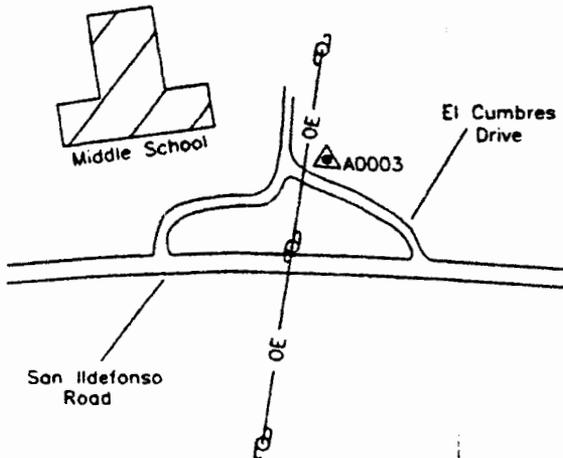
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other NEW MONUMENT

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT," dated 1992, and was set by NMPS 11457. The disk is situated northerly of El Cumbres Drive, southeasterly of a clump of small bushes, southeasterly of Los Alamos Middle School buildings, between two angle-iron posts, all being within the Los Alamos townsite.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/1/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krill  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing	
Central Point	
By _____	
Date _____	
Reference _____	

Location Data

Tech. Area Townsite

Nearest Building No. Middle School

Distance & Bearing to Bldg. Northwesterly

Coordinates:

Y= 1780524.940'

X= 1627117.111'

Z= 7377.8'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

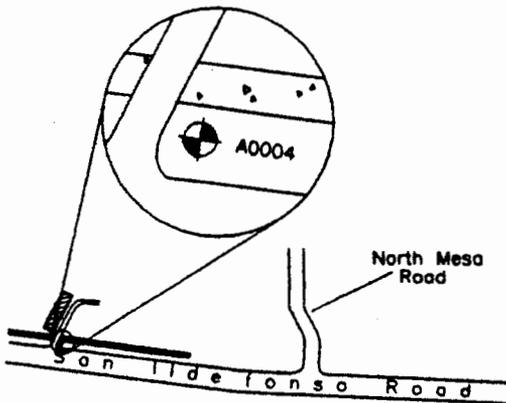
## PERMANENT MONUMENT RECORD

A0004  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3" aluminum disk embedded in concrete flush with ground. The disk is inscribed "COUNTY OF LOS ALAMOS SURVEY MONUMENT," and is witnessed by one flexible orange carsonite witness post. The monument is situated northerly of San Ildefonso Road, easterly of an entrance road to a housing area, southerly of a concrete sidewalk, easterly of a row of two-storey townhouses, westerly of North Mesa Road, all being within the Los Alamos townsite.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/1/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>Townsite</u>
Nearest Building No. <u>Townhouses</u>
Distance & Bearing to Bldg. <u>Westerly</u>
Coordinates:
Y= <u>1779927.134'</u>
X= <u>1629396.676'</u>
Z= <u>7289.7'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0005  
Monument #

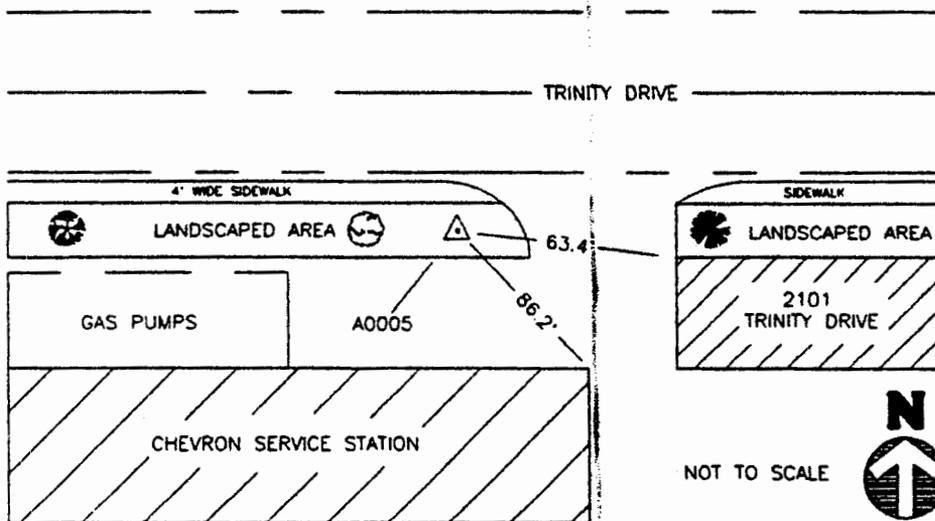
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other NEW MONUMENT
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk stamped "LANL SURVEY CONTROL MONUMENT NO A0005" dated 1992, and embedded in concrete flush with the ground in a landscaped area. Monument is located 2.6' south of a 4.0' sidewalk, 63.4' west of the NW corner of a building, and 86.2' NW of the NE corner of a service station located on the south side of the 2100 block of Trinity Drive.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/1/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6th St., Suite 103  
Phone: (505) 662-2194

Date: 11/8/92

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area Townsite

Nearest Building No. \_\_\_\_\_

Distance & Bearing to Bldg. \_\_\_\_\_

86' Southeasterly

Coordinates:

Y= 1775545.471'

X= 1624730.362'



SURVEYORS

# LOS ALAMOS NATIONAL LABORATORY

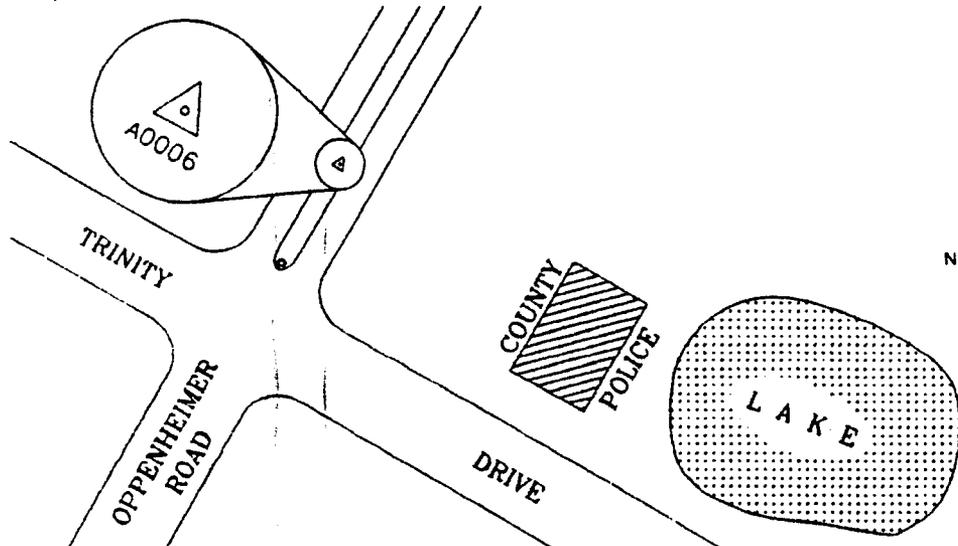
## PERMANENT MONUMENT RECORD

A0006  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced

1. TYPE OF MONUMENT:       Bench Mark       Other   New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT A0006," dated 1992, and was set by NMPS 11457. The monument is situated in the Oppenheimer Road median c.a. 43' northeasterly of the northeasterly edge of the Oppenheimer Road-Trinity Drive intersection, westerly of the municipal police headquarters, northeasterly of an office complex, northerly of a service station, and within the Los Alamos, New Mexico townsite.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/1/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>Townsite</u>
Nearest Building No. <u>Police Station</u>
Distance & Bearing to Bldg. <u>Easterly</u>
Coordinates: Y= <u>1776131.546'</u> X= <u>1623873.380'</u>



SURVEYORS

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0007  
Monument #

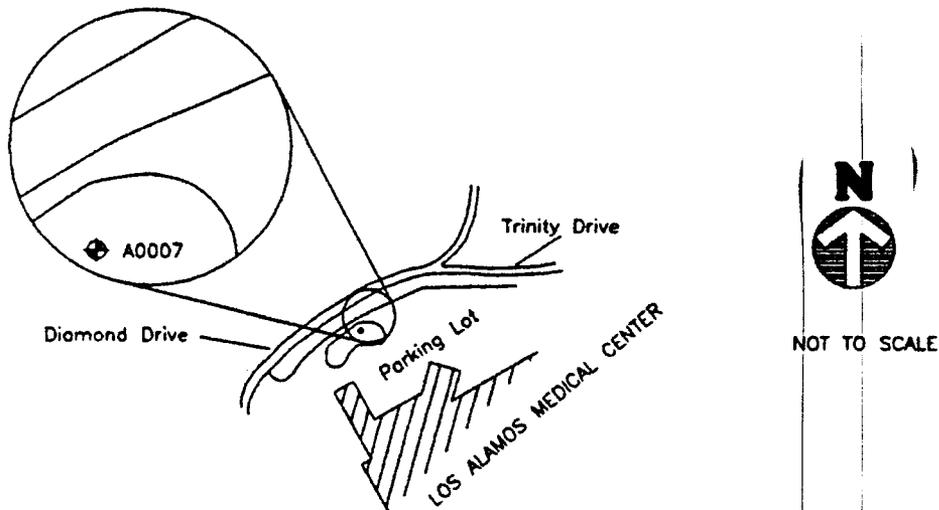
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.75" bronze disk centered in water box. The disk is inscribed "LIMBAUGH ENGINEERING & AERIAL SURVEYS, HOSPITAL." The monument is situated northwesterly of the hospital building, easterly of the west parking lot driveway, on an island, on the westerly adjacent to a clump of trees, all being within the townsite of Los Alamos.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/92

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>Townsite</u>
Nearest Building No. <u>Hospital</u>
Distance & Bearing to Bldg. <u>S'Easterly</u>
Coordinates:
Y= <u>1776415.051'</u>
X= <u>1619924.519'</u>
Z= <u>7310.3'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0008  
Monument #

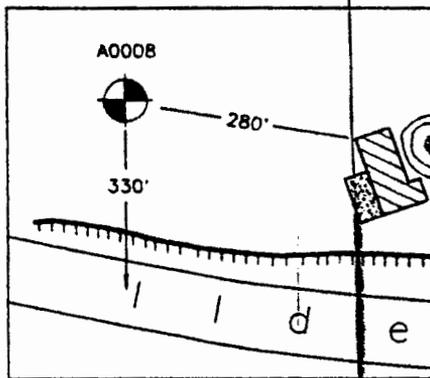
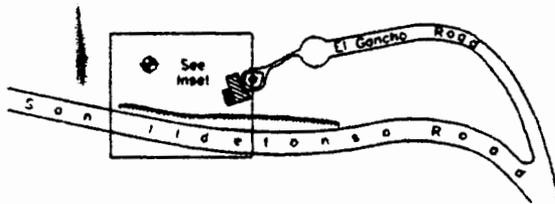
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.75" bronze disk embedded in concrete poured in Tuff. The disk is inscribed "LIMBAUGH ENGINEERING & AERIAL SURVEYS, GOLF, 7332.05." The monument is situated 280' southerly of a private residence, 320' southerly of the southerly apogee of a Cul de Sac, 330' west of the centerline of San Ildefonso, all being within the townsite of Los Alamos, NM.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/1/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/5/93

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>Townsite</u></p> <p>Nearest Building No. <u>Residence</u></p> <p>Distance &amp; Bearing to Bldg. <u>280' Northerly</u></p> <p>Coordinates:</p> <p>Y= <u>1783019.587'</u></p> <p>X= <u>1625936.065'</u></p> <p>Z= <u>7331.9'</u></p>
---	--



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0009

Monument #

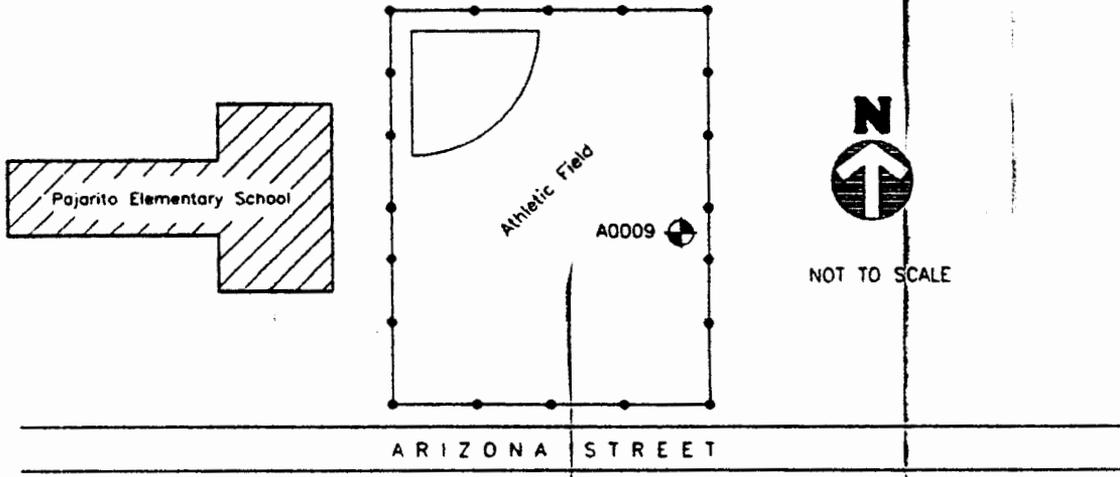
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.75" bronze disk centered in water box. The disk is inscribed "LIMBAUGH ENGINEERING & AERIAL SURVEYS, PAJARITO SCHOOL." The disk is situated at the easterly side of a softball diamond/soccer field, adjacent to a chainlink fence, easterly of the main school building, all being within the Los Alamos townsite.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/1/92

4. CERTIFICATION  
This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krill  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/92

Accepted For Filing  
Central Point  
By \_\_\_\_\_  
Date \_\_\_\_\_  
Reference \_\_\_\_\_

Location Data  
Tech. Area Townsite  
Nearest Building No. Pajarito Sch  
Distance & Bearing to Bldg  
Westerly  
Coordinates:  
Y= 1784761.646'  
X= 1621069.972'  
Z= 7434.2'



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0301  
Monument #

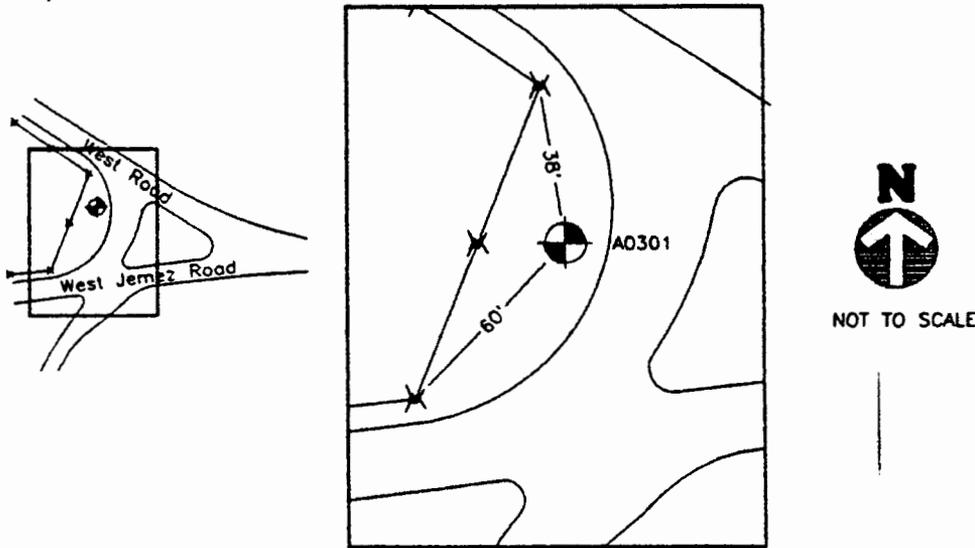
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.0" bronze disk embedded in concrete flush with ground. The disk is inscribed "KOOGLER & POULS ENGINEERING W.J.R.1, ELEV." The monument is situated westerly of the interception of West/West Jemez Roads, 38' southeasterly of a fence corner, 60' northeasterly of a fence corner, approximately 66 paces northerly of Bldg 142, all being within the TA-03 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/1/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-03</u>
Nearest Building No. <u>142</u>
Distance & Bearing to Bldg. <u>66 paces southerly</u>
Coordinates:
Y= <u>1774105.765'</u>
X= <u>1616712.920'</u>
Z= <u>7489.8'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

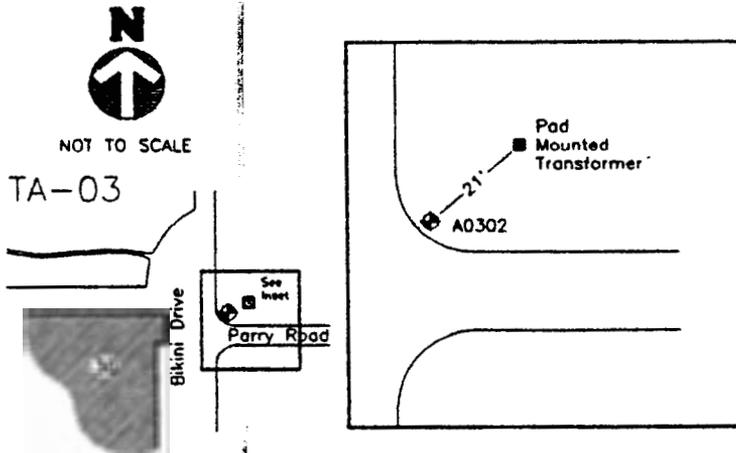
## PERMANENT MONUMENT RECORD

A0302  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 2.5" bronze disk embedded in concrete flush with ground. The disk is inscribed "LASL SURVEY MARKER, B.C. NO. 847, N 72+80.49, E 3+91.43, ELEV. 7457.89, DATE 57." The monument is situated at a curb return in the northeasterly quadrant of the interception of Parry Road and Bikini Drive, 21' southwesterly of a pad mounted transformer, all being within the TA-03 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/92

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>TA-03</u>
Nearest Building No. <u>30</u>
Distance & Bearing to Bldg <u>32 paces westerly</u>
Coordinates:
Y= <u>1773584.594'</u>
X= <u>1617204.176'</u>
Z= <u>7457.6'</u>



# LOS ALAMOS NATIONAL LABORATORY

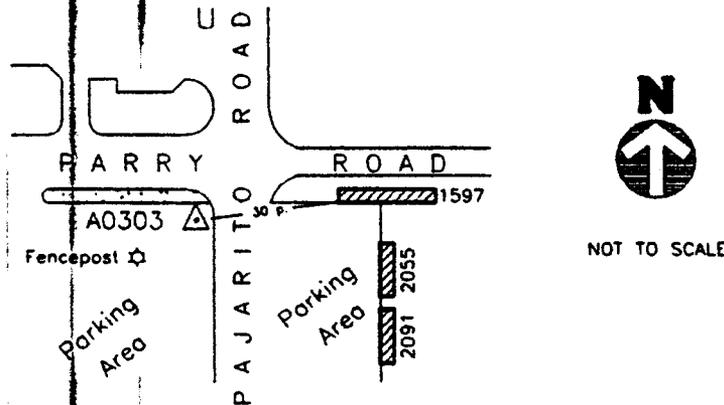
## PERMANENT MONUMENT RECORD

A0303  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A0303," dated 1992, and was set by NMPS 11457. The monument is situated in the southwesterly quadrant of the intersection of Parry and Pajarito Roads, southerly of a concrete sidewalk, northeasterly of a lone steel fencepost, 30 paces southwesterly of building 1597, all being within the TA-03 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS, STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

#### 4. CERTIFICATION

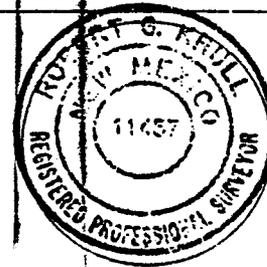
This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/92

Accepted for Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-03</u>
Nearest Building No. <u>1597</u>
Distance & Bearing to Bldg. <u>30 paces Easterly</u>
Coordinates:
Y= <u>1773642.907'</u>
X= <u>1617875.958'</u>
Z= <u>7428.3'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0304  
Monument #

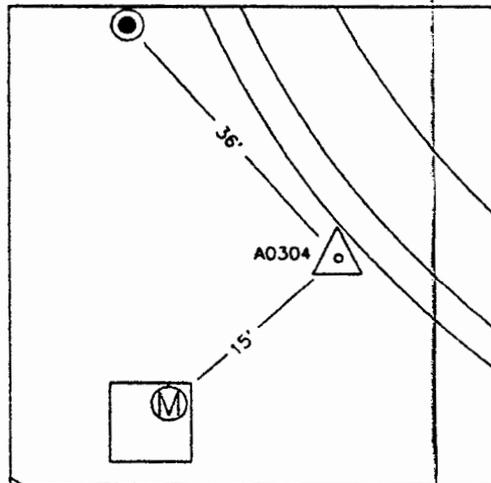
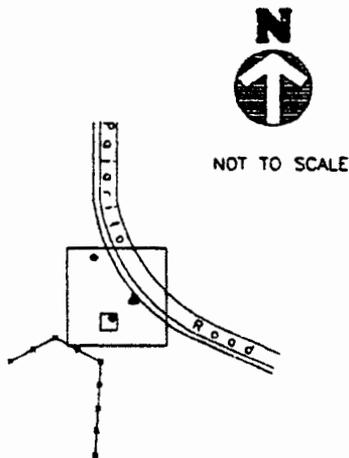
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT, NO. A0304," dated 1992, and was set by NMPS 11457. The monument is situated 36' southeasterly of a steel gatepost, 15' northeasterly of a manhole, southwesterly of a curve in Pajarito Road, all being within the TA-03 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct

Signature: Robert J. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u> Central Point By _____ Date _____ Reference _____
--

<u>Location Data</u> Tech. Area <u>TA-03</u> Nearest Building No. _____ Distance & Bearing to Bldg. _____ Coordinates: Y= <u>1771920.744'</u> X= <u>1618215.902'</u> Z= <u>7421.2'</u>
---



SURVEYORS  
SEAL

FORM - 10 - SURVEY - 10001

# LOS ALAMOS NATIONAL LABORATORY

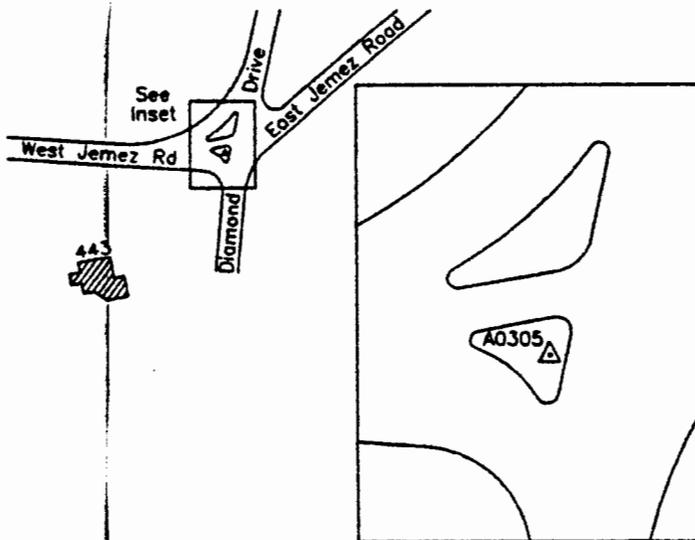
## PERMANENT MONUMENT RECORD

A0305  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete traffic isle. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A0305, dated 1992 and was set by NMPS 11457. The monument is situated on a traffic isle at the southwest quadrant of the intersection of East/West Jemez Roads and Diamond Drive, approximately 110 paces northeasterly of Bldg. 443, all being within the TA-03 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/1/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/92

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-03</u>
Nearest Building No. <u>443</u>
Distance & Bearing to Bldg. <u>110 paces southwesterly</u>
Coordinates:
Y= <u>1774608.688'</u>
X= <u>1619034.078'</u>
Z= <u>7362.5'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0306  
Monument #

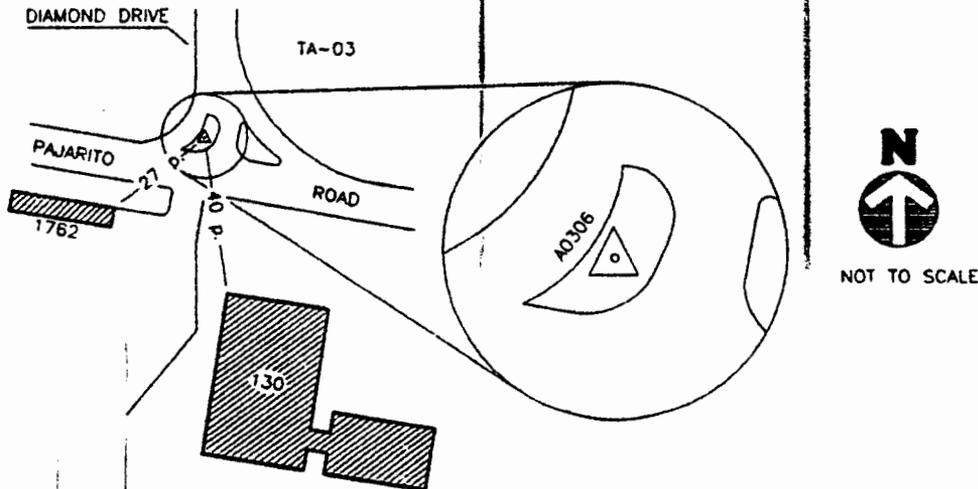
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete island. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A0306," dated 1992, and was set by NMPS 11457. The monument is situated on an island at the intersection of Pajarito Road and Diamond Drive, approximately 27 paces northeasterly of building 1762, 40 paces northwesterly of building 130 respectively, all being within the TA-03 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/3/92

4. CERTIFICATION  
This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert A. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 11/8/92

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data

Tech. Area TA-03

Nearest Building No. \_\_\_\_\_

Distance & Bearing to Bldg.  
40 paces S'Easterly

Coordinates

Y = 1771637.257'

X = 1619555.713'

Z = 7401.0'



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

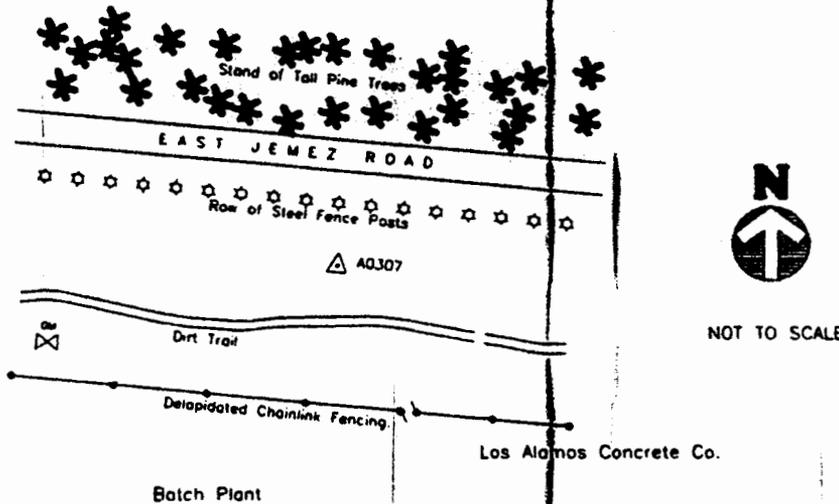
A0307

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A0007," dated 1992, and was set by NMPS 11457. The monument is situated southerly of East Jemez Road, southerly of a row of steel fence posts, northerly of a dirt trail, northerly of a delapidated stretch of chainlink fencing, northerly of a batch plant, northeasterly of the Los Alamos Concrete Company westgate entrance, all being within the TA-03 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION  
This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 11/8/92

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data	
Tech. Area	<u>TA-03</u>
Nearest Building No.	_____
Distance & Bearing to Bldg.	_____
Coordinates:	
Y =	<u>1774602.896'</u>
X =	<u>1621878.657'</u>
Z =	<u>7323.4'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

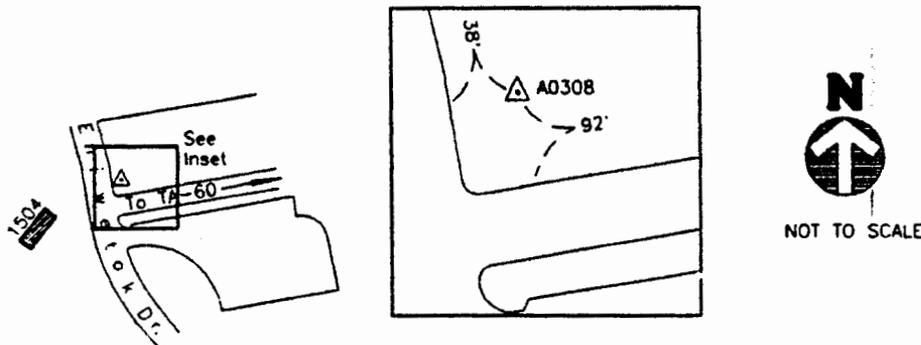
## PERMANENT MONUMENT RECORD

A0308  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A0308," dated 1992, and was set by NMPS 11457. The monument is situated 38' northeasterly of the CL of Eniwetok Drive, 92' northwesterly of the CL of a road leading to TA-60 buildings one and two, 33 paces northeasterly of building 1504, all being within the TA-03 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



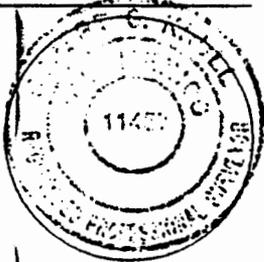
Date of Field Work 9/4/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert J. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u> Central Point By _____ Date _____ Reference _____	<u>Location Data</u> Tech. Area <u>TA-03</u> Nearest Building No. <u>1504</u> Distance & Bearing to Bldg. <u>33 paces southwesterly</u> Coordinates: Y= <u>1772653.199'</u> X= <u>1620942.172'</u> Z= <u>7368.0'</u>	 <p>11457</p> <p>SURVEYORS SEAL</p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0601  
Monument #

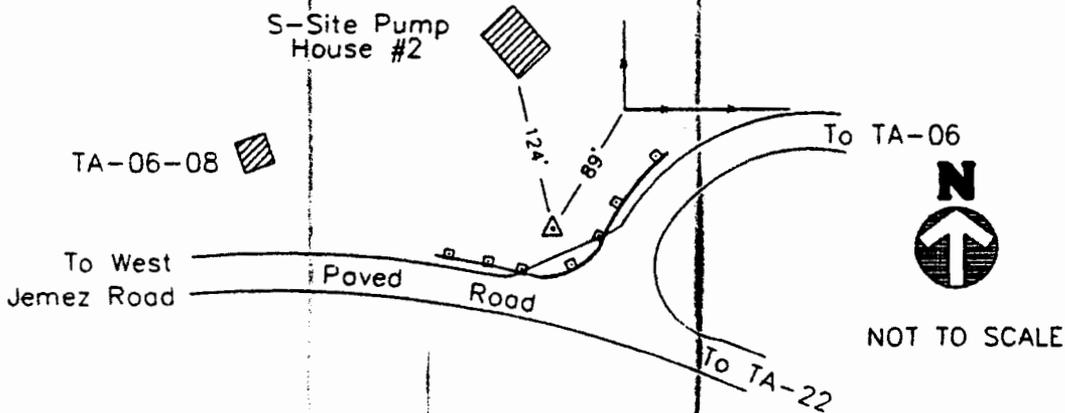
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A0601," dated 1992, and was set by NMPS 11457. The monument is situated 124' southeasterly of a pumphouse, 89' south-westerly of a fence corner, easterly of bldg B, northwesterly of the interception of two paved roads, all being within the TA-6 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/5/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-06</u>
Nearest Building No. <u>Pumphouse</u>
Distance & Bearing to Bldg. <u>124' NW'erly</u>
Coordinates:
Y= <u>1770339.681'</u>
X= <u>1614148.404'</u>
Z= <u>7578.1'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0602

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

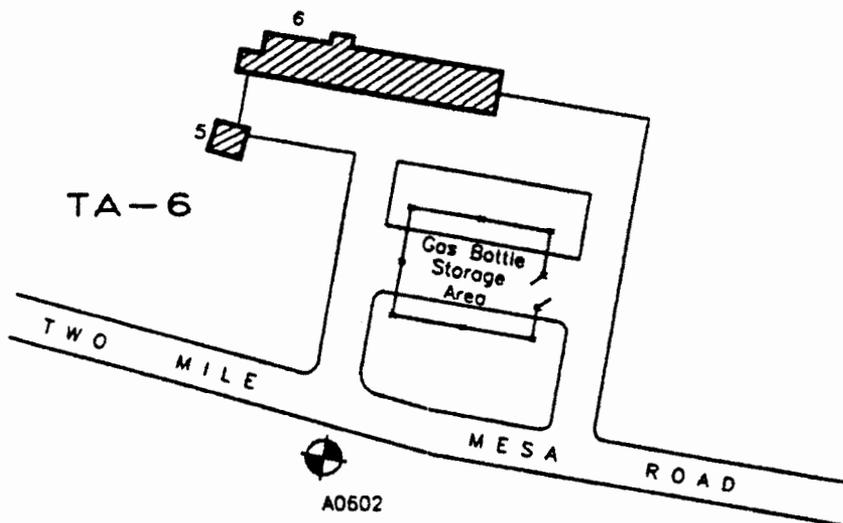
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

2.5" bronze disk embedded in concrete set flush with ground (Bross Cop no 1209). The disk is inscribed "LASL SURVEY MARKER, B.C. NO.....N 33+....E 9+91.9", ELEV. 7526.4, dated 6-57. The monument is situated c.a. 17' southerly of an intersection of Two Mile Mesa Road, and a paved road leading to Bldg. 6, and within the TA-6 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505) 662-2194

Date: \_\_\_\_\_

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area TA-6

Nearest Building No. TM-6

Distance & Bearing to Bldg.

N'Easterly

Coordinates:

Y= 1769669.133'

X= 1615652.237'

Z= 7526.5'

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0603  
Monument #

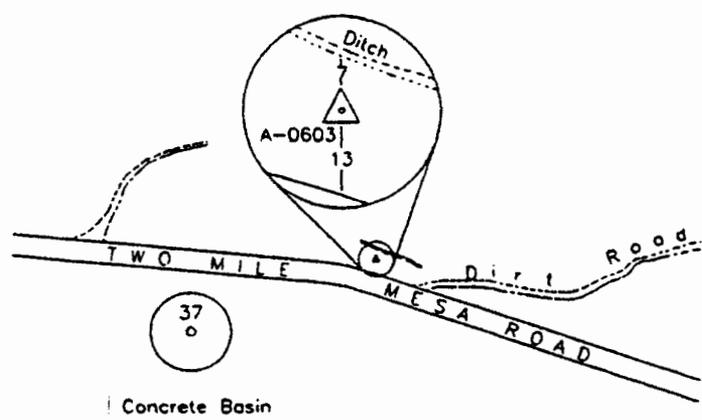
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT A0603," dated 1992, and was set by NMPS 11457. The monument is situated close to the outer P.C. of a southerly bound curve on Two Mile Mesa Road, c.a. 7' southerly of a dirt ditch, c.a. 13' northerly of the edge of pavement, and within the TA-6 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



N  
↑  
NOT TO SCALE

Date of Field Work 9/2/92

4. CERTIFICATION  
 This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<p><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-6</u></p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1769127.130'</u></p> <p>X= <u>1619017.048'</u></p> <p>Z= <u>7438.1'</u></p>	 SURVEYORS SEAL
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A0801  
Monument #

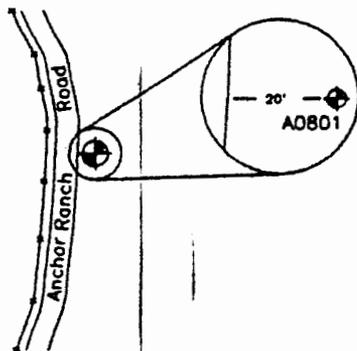
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 J' disk embedded in concrete set flush with ground. The disk is inscribed "KOOGL & POULS ENGINEERING A.R.R.6, ELEV." The monument is situated 20' easterly of the easterly edge of Anchor Ranch Road, 0.8 miles southerly of the interception of Anchor Ranch Road and NMSR 502, and within the TA-08 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u> Central Point By _____ Date _____ Reference _____
--

<u>Location Data</u> Tech. Area <u>TA-8</u> Nearest Building No. _____ Distance & Bearing to Bldg. _____ Coordinates: Y= <u>1768817.461'</u> X= <u>1611958.153'</u> Z= <u>7593.1'</u>
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# LOS ALAMOS NATIONAL LABORATORY

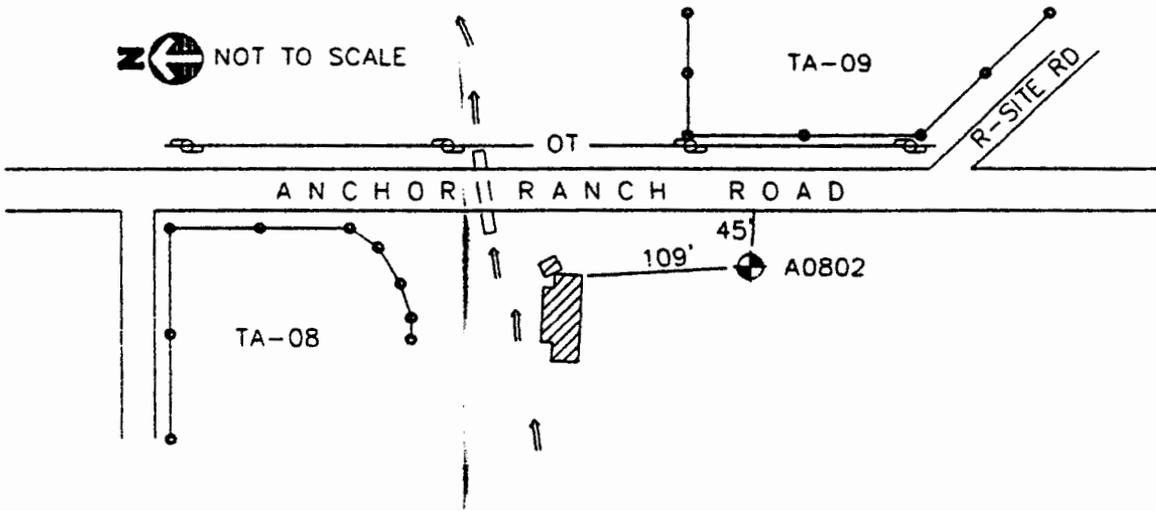
## PERMANENT MONUMENT RECORD

A0802  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
2.5" bronze disk embedded in concrete 0.2' above grade. The disk is inscribed "LASL SURVEY MARKER BC NO 1269, N10+21.40, W49+13.31, ELEV. 7583.85," dated 4-58. The monument is situated 109' southerly of old buildings in drainage area, 45' westerly of the westerly edge of pavement of Anchor Ranch Road, northwesterly of the interception of said road by R-Site Road, all being within the TA-08 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH ST SUITE 103  
 Phone: 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-08</u>
Nearest Building No. _____
Distance & Bearing to Bldg. <u>109' NNW</u>
Coordinates:
Y= <u>1767561.387'</u>
X= <u>1611637.045'</u>
Z= <u>7583.6'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

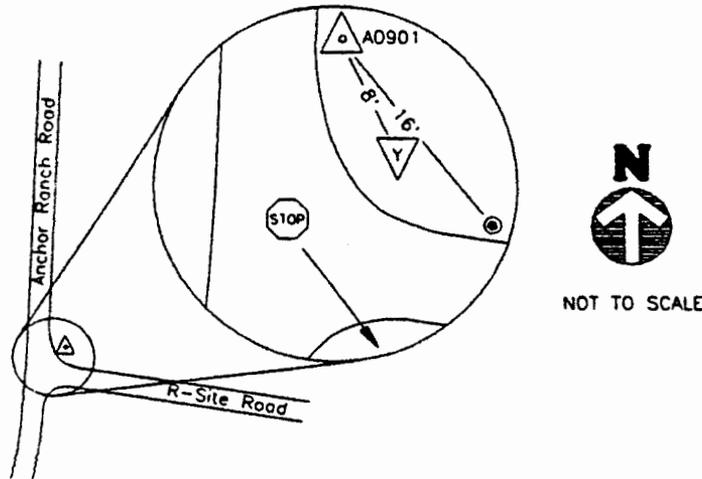
## PERMANENT MONUMENT RECORD

A0901  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk imbedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A0901," dated 1992, and was set by NMPS 11457. The monument is situated c.a. eight feet northwesterly of a yield sign, sixteen feet northwesterly of a buried cable marker, across the road northerly of a stop sign, at the interception of R-Site Road and Anchor Ranch Road, all being within the TA-09 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 11/8/93

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-09</u></p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1766899.517'</u></p> <p>X= <u>1611677.444'</u></p> <p>Z= <u>7575.4'</u></p>	 <p style="text-align: center;">SURVEYORS SEAL</p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A1101  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

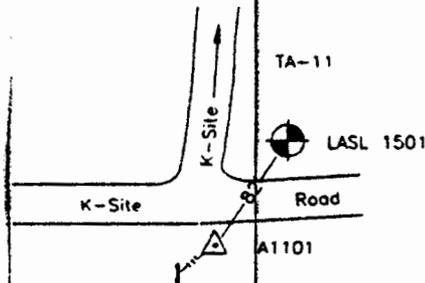
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A1101," dated 1992, and was set by NMPS 11457. The monument is situated 3' southerly of an interception of two roads, 11' north-easterly of an informational sign, 182' southwesterly of a bronze disk monument inscribed "LASL SURVEY MONUMENT NO 1501," and within the TA-11 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/3/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>	
Central Point	
By _____	
Date _____	
Reference _____	

Location Data

Tech. Area TA-11

Nearest Building No. \_\_\_\_\_

Distance & Bearing to Bldg. \_\_\_\_\_

Coordinates:

Y= 1759398.868'

X= 1617341.312'

Z= 7318.6'



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A1501  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

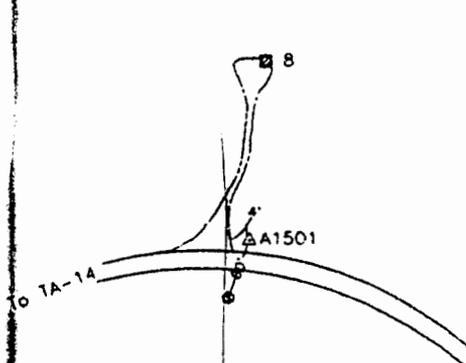
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A1501," dated 1992, and was set by NMPS 11457. The monument is situated circa 350' southerly of Building 8, 60' northerly of a sewer man-hole, 4' easterly of a dirt road, and within the TA-15 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.

TA-15



NOT TO SCALE

Date of Field Work 9/2/92

4. CERTIFICATION  
 This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert A. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>TA-15</u>
Nearest Building No. <u>TA-15-08</u>
Distance & Bearing to Bldg. <u>350' NE'erly</u>
Coordinates:
Y= <u>1763774.912'</u>
X= <u>1622680.093'</u>
Z= <u>7308.2'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

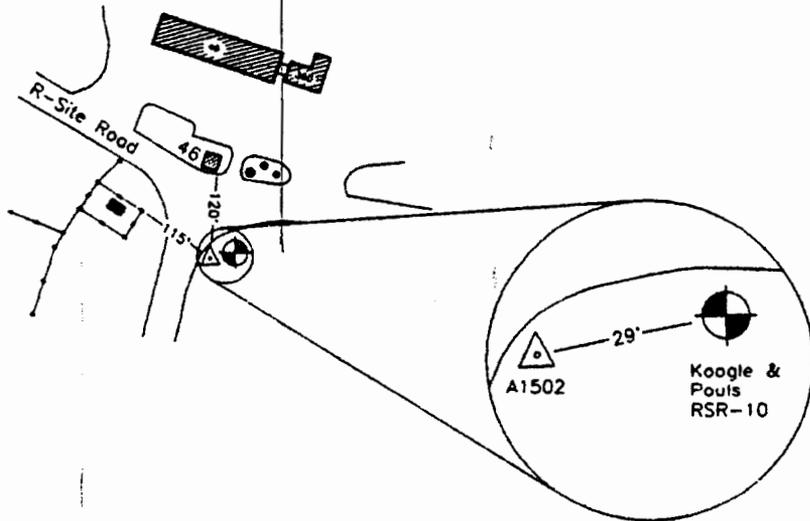
## PERMANENT MONUMENT RECORD

A1502  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk imbedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A1502," dated 1992, and was set by NMPS 11457. The monument is situated c.a. 120' southeasterly of a sentry hut, 115' easterly of the northeasterly corner of a barbedwire inclosure, 29' westerly of a bronze disk monument inscribed "KOOGL & POULS RSR-10, 1966," at the interception of R-Site Road and a paved road bearing southerly, all being within the TA-15 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: *Robert A. Krull*  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 11/8/93

<p><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-15</u></p> <p>Nearest Building No. <u>46</u></p> <p>Distance &amp; Bearing to Bldg <u>120' N'Easterly</u></p> <p>Coordinates:                  Y= <u>1762993.012'</u>                  X= <u>1623275.719'</u>                  Z= <u>7284.0'</u></p>
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SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A-1503  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

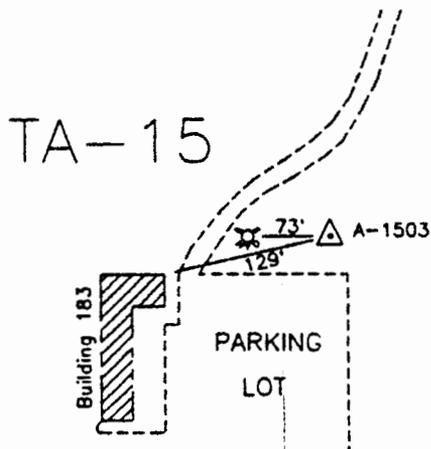
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" Bronze Disk encased in concrete and set flush with the ground. The disk is inscribed "LAND SURVEY CONTROL MONUMENT NO. A1503," and dated 30 September, 1992. The monument was set by NMPS 11457. The monument is located 73' easterly from a fire hydrant, and 129' north-easterly from the Northeast corner of Building 183, TA-15.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/2/92

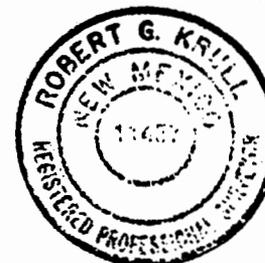
4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-15</u></p> <p>Nearest Building No. <u>183</u></p> <p>Distance &amp; Bearing to Bldg. <u>129' WSW</u></p> <p>Coordinates:</p> <p>Y= <u>1761544.586</u></p> <p>X= <u>1622814.672</u></p> <p>Z= <u>7269.8</u></p>
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SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

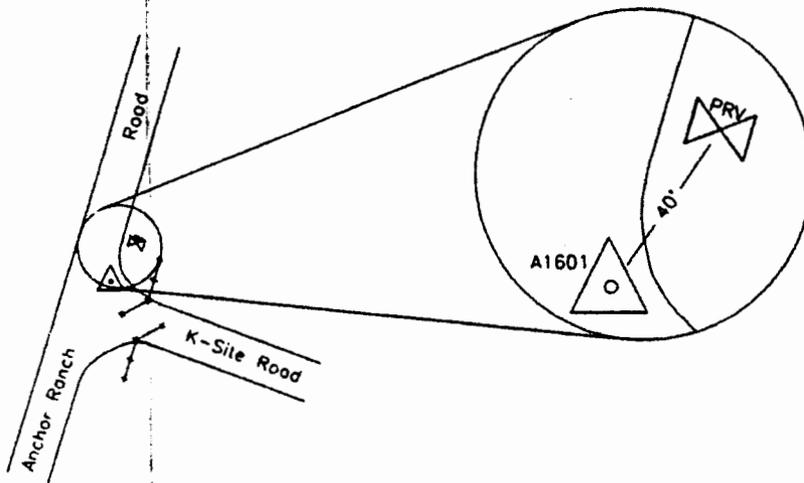
## PERMANENT MONUMENT RECORD

A1601  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk imbedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A1601," dated 1992, and was set by NMPS 11457. The monument is situated c.a. 40' southwesterly of a water pressure release valve, 16' northwesterly of a gatepost, at the interception of K-Site Road and Anchor Ranch Road, all being within the TA-16 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/3/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

#### Location Data

Tech. Area TA-16

Nearest Building No. \_\_\_\_\_

Distance & Bearing to Bldg. \_\_\_\_\_

Coordinates:

Y= 1764731.378'

X= 1610726.672'

Z= 7610.7'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A1602  
Monument #

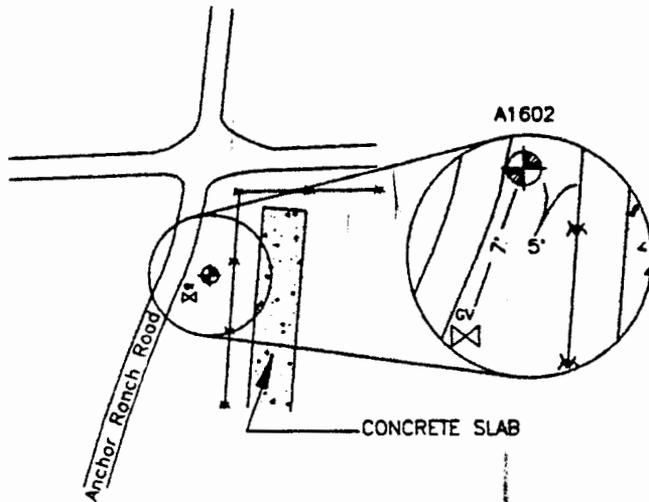
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:             Bench Mark             Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

2.5" bronze disk embedded in concrete set flush with ground. The disk is inscribed "LASL SURVEY MONUMENT NO 1394 6/57 Elev 7644.33." The monument is situated southerly of an intersection, 7' northeasterly of a gas valve inclosed by an iron pipe guardrail, 9' easterly of the easterly edge of Anchor Ranch Road, 5' westerly of a barbed wire fence, and within the TA-16 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/3/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data

Tech. Area TA-16

Nearest Building No. \_\_\_\_\_

Distance & Bearing to Bldg. \_\_\_\_\_

Coordinates:

Y= 1763335.914'

X= 1610157.866'

Z= 7642.9'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A1603  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

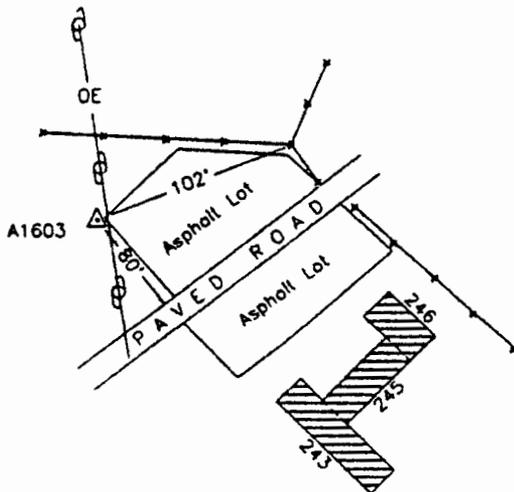
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A1603," dated 1992, and was set by NMPS 11457. The monument is situated approximately 200' northwesterly of the northwesterly corner of building 243, 80' northwesterly of a paved road, 102' southwesterly of a fence corner, all being within the TA-16 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Knoll  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area TA-16

Nearest Building No. Bldg 243

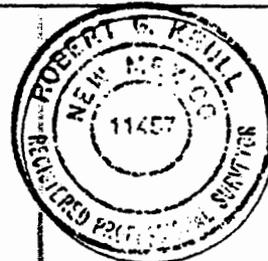
Distance & Bearing to Bldg. 200' easterly

Coordinates:

Y= 1762998.142'

X= 1609516.808'

Z= 7643.8'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A1604  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

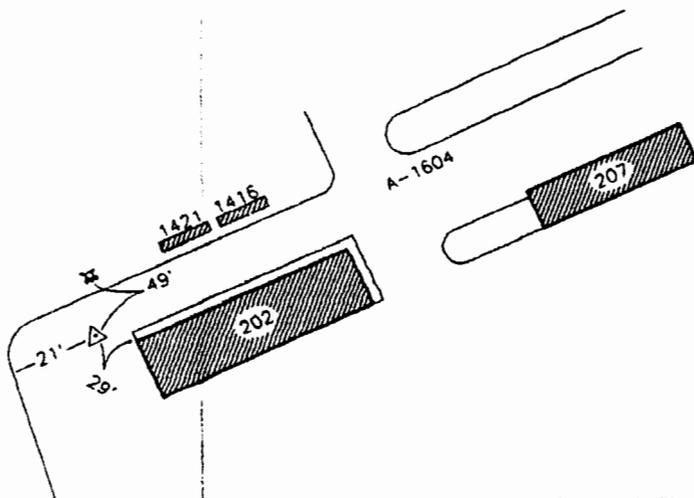
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete set flush with asphalt pavement. The disk is inscribed "LANL CONTROL SURVEY MONUMENT NO A1604," dated 1992, and was set by NMPS 11457. The monument is situated 29' northwesterly of bldg S-202, 49' southwesterly of a fire hydrant, 21' northeasterly of an edge of pavement, and within the TA-16 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/4/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>
---

<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-16</u></p> <p>Nearest Building No. <u>202</u></p> <p>Distance &amp; Bearing to Bldg. <u>29' S'Easterly</u></p> <p>Coordinates:</p> <p>Y= <u>1762270.725'</u></p> <p>X= <u>1608949.939'</u></p> <p>Z= <u>7632.8'</u></p>
---



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A-1605  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

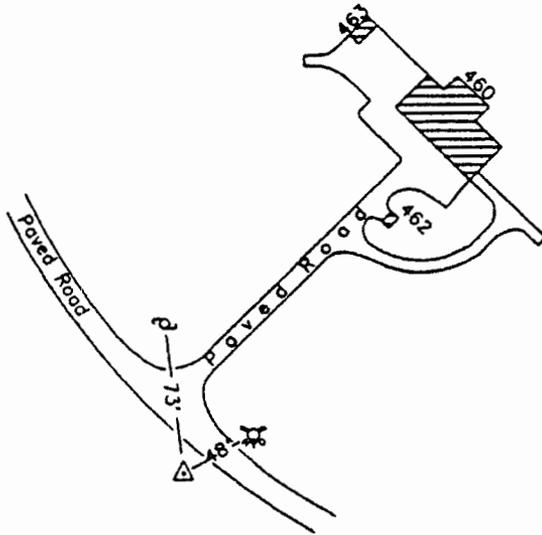
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk enclosed in concrete flush with surface of ground. Monument is located 73' southerly of a utility pole, 48' southwesterly of a fire hydrant, and 8' southwesterly of the edge of a paved road. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A1605," dated 1992, and was set by NMPS 11457.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/2/92

4. CERTIFICATION

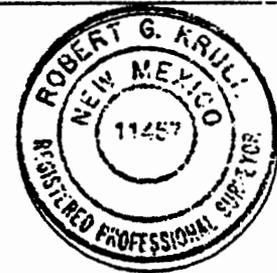
This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area TA <u>16</u>
Nearest Building No. <u>Bldg 460</u>
Distance & Bearing to Bldg. <u>394 NE</u>
Coordinates:
Y= <u>1761581.084</u>
X= <u>1609510.225</u>
Z= <u>7616.8</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

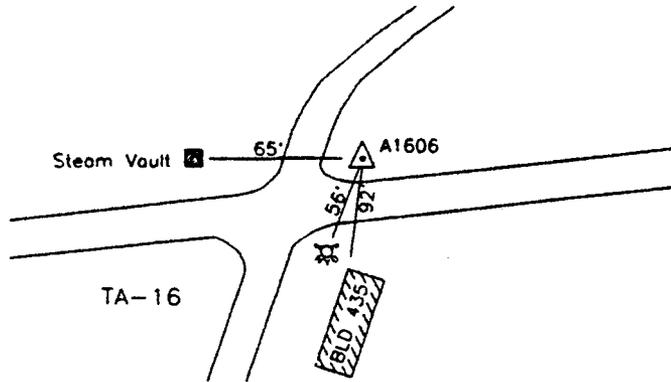
## PERMANENT MONUMENT RECORD

A1606  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 3.25' aluminum disk encased in concrete, set 0.1' below grade on north side of paved road. Disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A1606," dated 1992 and was set by NMPS 11457. Additionally, the disk lies 65' easterly from a steam vault, 56' north-easterly from a fire hydrant, and 92' northerly from Building 435, TA-16.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/2/92

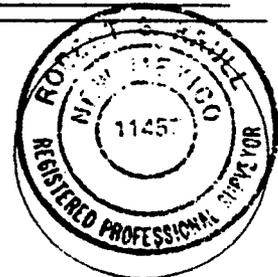
4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert & Knoll  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-16</u></p> <p>Nearest Building No. <u>Bldg 435</u></p> <p>Distance &amp; Bearing to Bldg. <u>92' southerly</u></p> <p>Coordinates:</p> <p>Y= <u>1761098.693'</u></p> <p>X= <u>1611711.823'</u></p> <p>Z= <u>7578.6'</u></p>
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SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A1607  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

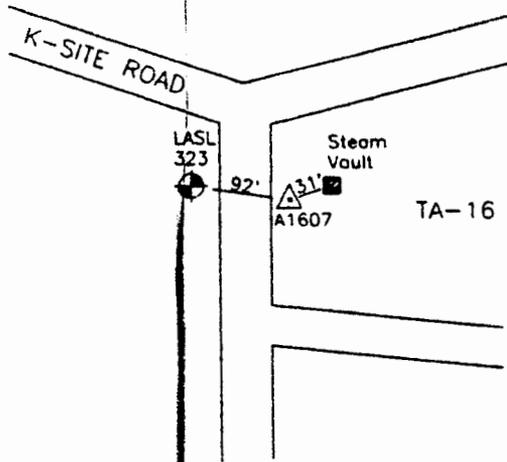
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced

1. TYPE OF MONUMENT:       Bench Mark       Other      New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A1607," dated 1992, and was set by NMPS 11457. The monument is situated 31' southwesterly of a steam vault, 92' easterly of LASL BC 323, and within the TA-16 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-16</u>
Nearest Building No. _____
Distance & Bearing to Bldg. _____
Coordinates:
Y= <u>1764010.311'</u>
X= <u>1612269.031'</u>
Z= <u>7582.0'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

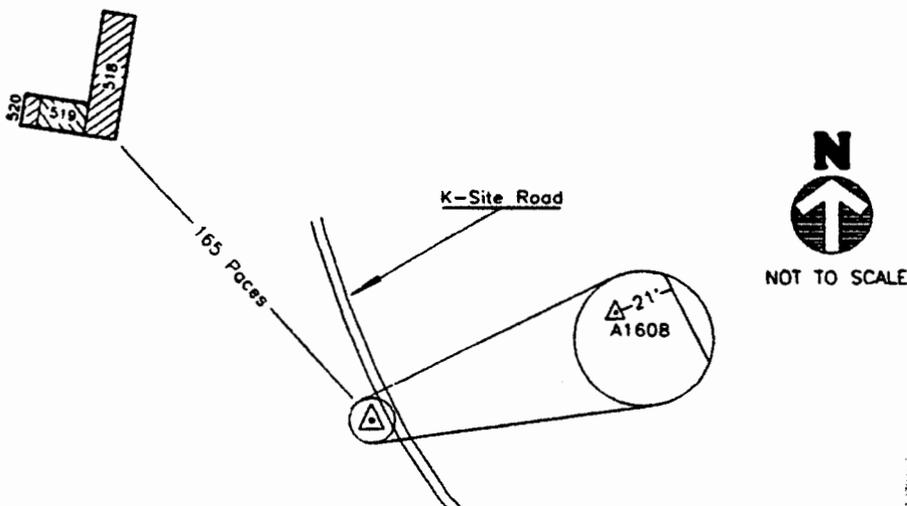
## PERMANENT MONUMENT RECORD

A1608  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL CONTROL SURVEY MONUMENT NO A1608," dated 1992, and was set by NMPS 11457. The monument is situated 21' southwesterly of the southwesterly edge of K-Site Road, approximately 165 paces southeasterly of the southeasterly corner of building 518, all being within the TA-16 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/3/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krill  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>TA-16</u>
Nearest Building No. <u>518</u>
Distance & Bearing to Bldg. <u>165 paces N'Westerly</u>
Coordinates:
Y= <u>1762248.257'</u>
X= <u>1612422.040'</u>
Z= <u>7573.5'</u>



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A1609  
Monument #

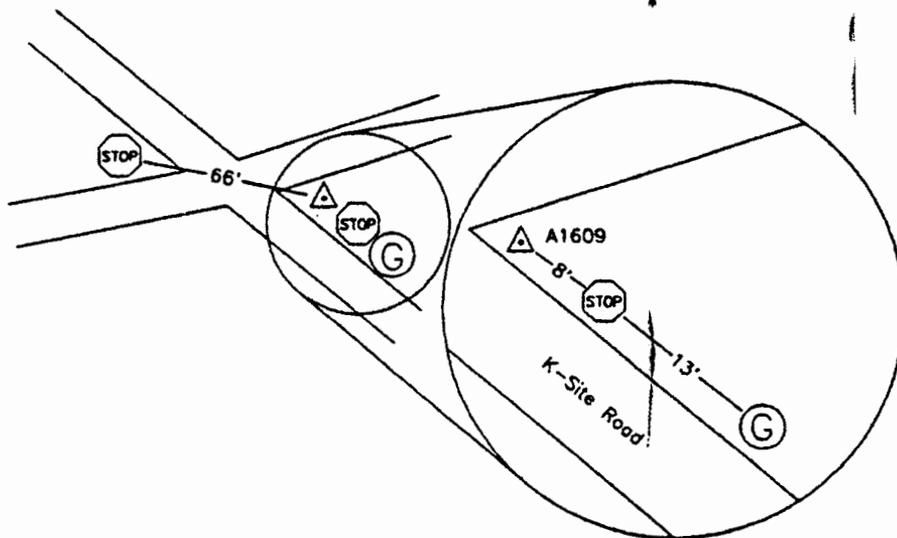
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:             Bench Mark             Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk imbedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A1609," dated 1992, and was set by NMPS 11457. The monument is located southeasterly of an intersection, 66' southeasterly of a stopsign, 8' northwesterly of a stopsign, 22' northwesterly of a buried gasoline sign, 130 paces westerly of building 307, and within the TA-16 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/3/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 11/8/93

<u>Accepted For Filing</u> Central Point By _____ Date _____ Reference _____
--

<u>Location Data</u> Tech. Area <u>TA-16</u> Nearest Building No. <u>307</u> Distance & Bearing to Bldg. <u>130 paces easterly</u> Coordinates: Y= <u>1761221.228'</u> X= <u>1613320.991'</u> Z= <u>7543.5'</u>
---



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

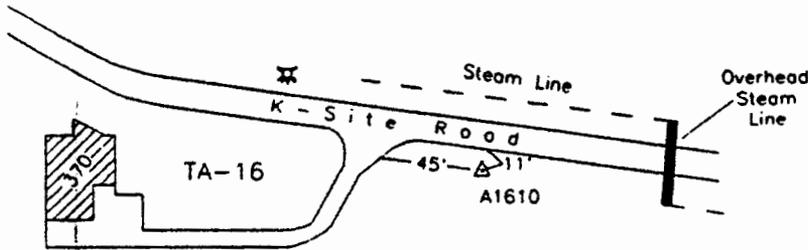
## PERMANENT MONUMENT RECORD

A1610  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A1610," dated 1992, and was set by NMPS 11457. The monument is situated 11' southerly of the southerly edge of K-Site Road, 45' easterly of the easterly edge of a drive leading to Building 370, easterly of Building 370, southeasterly of a fire hydrant, all being within the TA-16 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES, AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

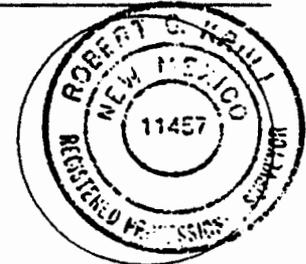
This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Bull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>TA-16</u>
Nearest Building No. <u>Bldg 370</u>
Distance & Bearing to Bldg. <u>Westerly</u>
Coordinates:
Y= <u>1759871.673'</u>
X= <u>1614902.055'</u>
Z= <u>7428.1'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A-2201  
Monument #

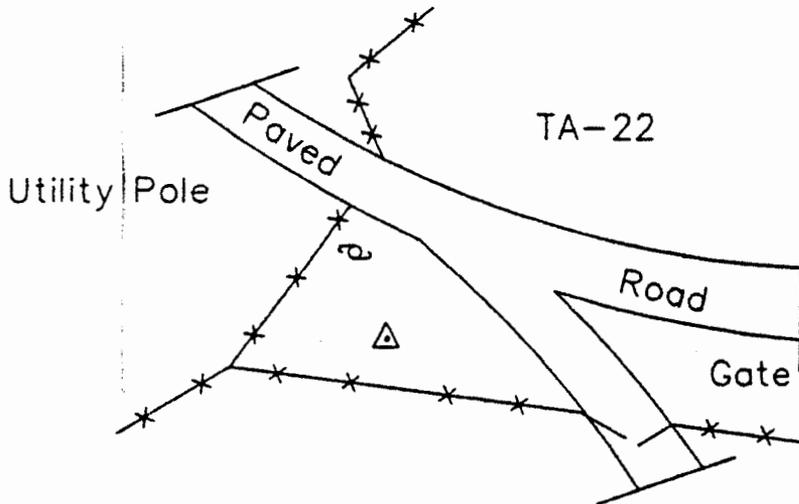
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

Set 3-3/4" Brass Cap Monument in concrete flush with ground.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert E. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH ST SUITE 103  
 Phone: 662-2194

Date: 9/30/92 <sup>KK</sup> 1/8/92

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>
---

<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>22</u></p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= _____</p> <p>X= _____</p> <p>Z= _____</p>
--



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A3301

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

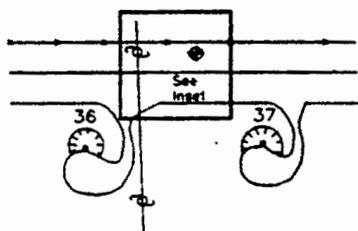
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

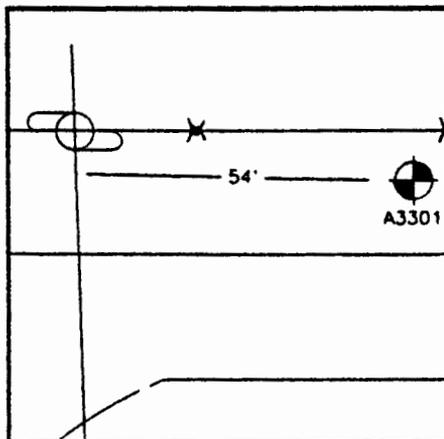
2.5" bronze disk embedded in concrete flush with ground. The disk is inscribed "LASL SURVEY MARKER, B.C. NO. 1706, S 249+90.13, E 241+93.03, ELEV. 6521.37, DATE 5-62." The monument is situated northerly of the northerly edge of pavement of a TA-33 access road, 54' southeasterly of an overhead powerwire, northerly and easterly of buildings 37 and 36 respectively, all being within the TA-33 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



TA-33

NOT TO SCALE



Date of Field Work 9/4/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area TA-33

Nearest Building No. 37

Distance & Bearing to Bldg.

47 paces southerly

Coordinates:

Y= 1740326.379'

X= 1639591.727'

Z= 6521.6'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A3302-LA

Monument #

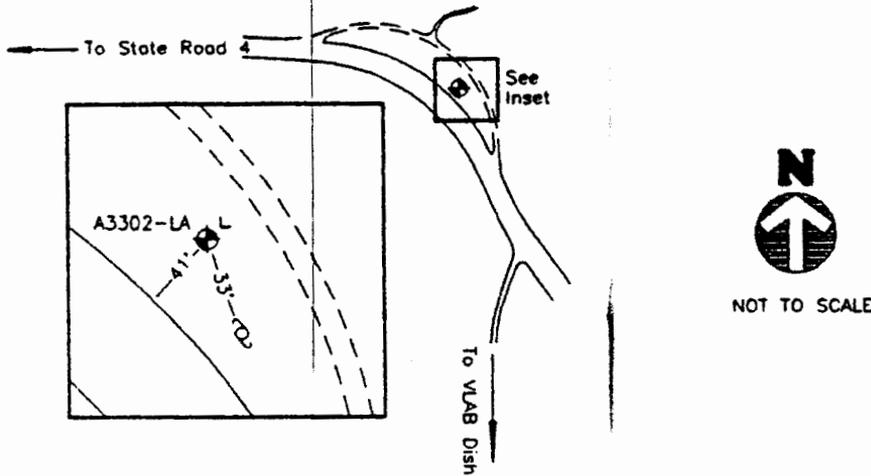
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

2.5" bronze disk embedded in concrete flush with ground. The disk is inscribed "LASL SURVEY MARKER, B.C. NO. 1709, S 267+78.06, E 265+37.55, ELEV. 6466.96, DATE 5-62." The monument is situated near a steel fence post, 33' northwesterly of a power pole, 41' northerly of the northerly edge of pavement of an asphalt drive, approximately 180 paces northerly of a turnoff leading to Bldg.s 178 and 175, all being within the TA-33 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/8/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505) 662-2194

Date: 11/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data

Tech. Area TA-33

Nearest Building No. 178

Distance & Bearing to Bldg. 300 paces southerly

Coordinates:

Y= 1738439.804'

X= 1641856.565'

Z= 6467.1'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

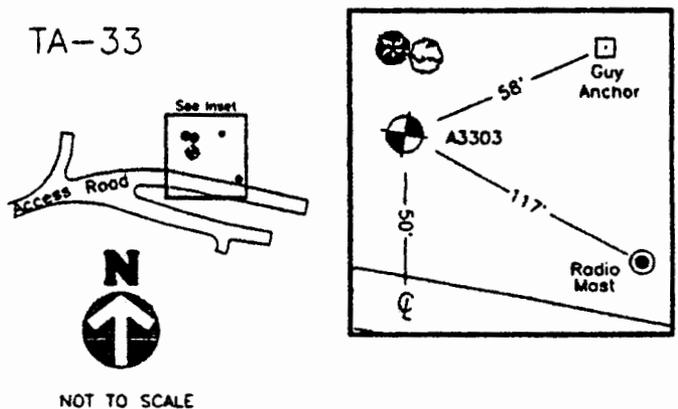
## PERMANENT MONUMENT RECORD

A3303  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 2.5" bronze disk embedded in concrete flush with ground. The disk is inscribed "LASL SURVEY MARKER, B.C. NO. 1713, S 282+51.73, E 297+30.30, ELEV. 6432.08, DATE 5-62." The monument is situated 117' northwesterly of a radio mast, 51' northerly of the CL of a paved access road, adjacent to a steel fence post painted white, all being within the TA-33 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/4/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krill  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u> Central Point By _____ Date _____ Reference _____
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<u>Location Data</u> Tech Area <u>TA-33</u> Nearest Building No. _____ Distance & Bearing to Bldg. _____ Coordinates: Y= <u>1736830.880'</u> X= <u>1644982.045'</u> Z= <u>6432.3'</u>
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# LOS ALAMOS NATIONAL LABORATORY

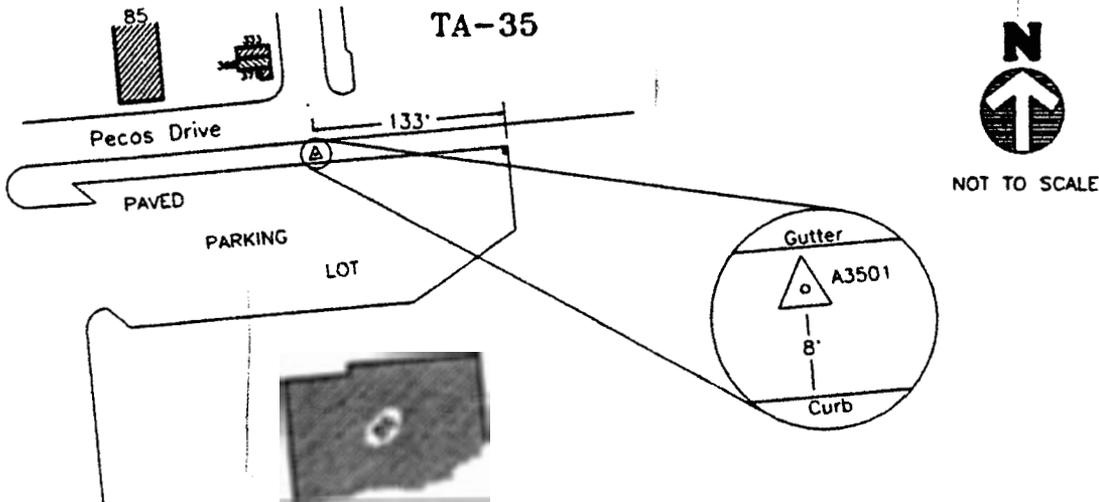
## PERMANENT MONUMENT RECORD

A3501  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete set flush with ground between two angle iron witness posts. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A3501," dated 1992, and was set by NMPS 11457. The monument is situated southerly of Pecos Drive between an edge of pavement and a paved parking lot, 133' westerly of a grated drop inlet, northerly of Building TSL-86, and within the TA-35 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/9/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

Location Data  
Tech. Area TA-35  
Nearest Building No. TA-35-86  
Distance & Bearing to Bldg.  
Southerly  
Coordinates:  
Y= 1769510.765'  
X= 1627350.690'  
Z= 7223.5'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

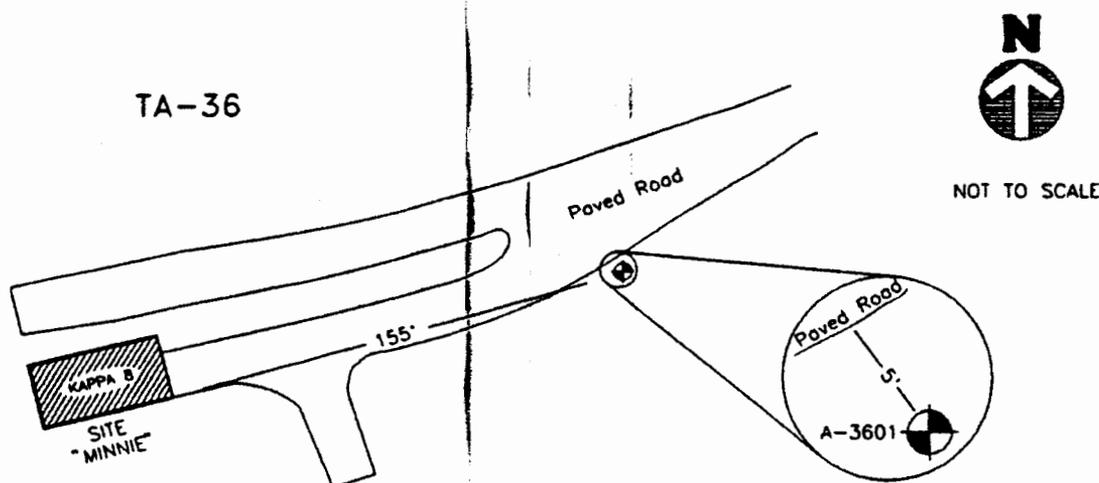
## PERMANENT MONUMENT RECORD

A3601  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
2.5" bronze disk enclosed in a concrete pedestal. The disk is inscribed "LASL SURVEY MONUMENT BC NO 1116 4/62 S92+67.19 E157+51.57 Elev 6897.53." The monument is located 5' southeasterly of an edge of pavement, and 155' northeasterly of the southeast corner of Building TA-36-08, and is witnessed by two angle-iron posts, each of which are stamped "A3601."
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/4/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>TA-36</u>
Nearest Building No. <u>TA-36-08</u>
Distance & Bearing to Bldg. <u>155' SW'erly</u>
Coordinates:
Y= <u>1756394.761'</u>
X= <u>1631837.466'</u>
Z= <u>6897.5'</u>



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A3602  
Monument #

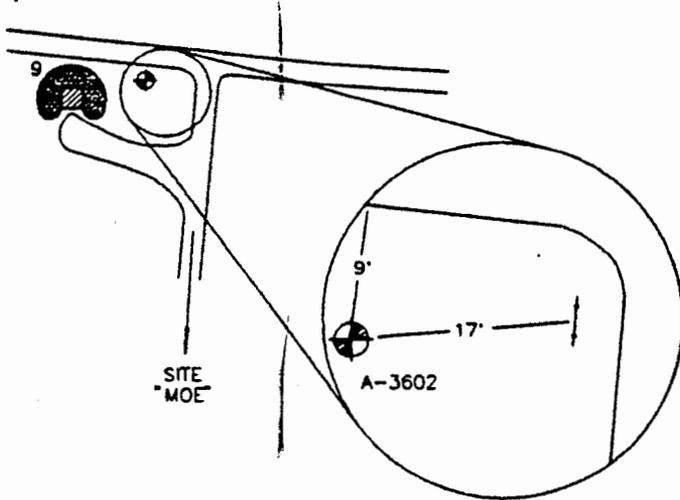
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

2.5" bronze disk embedded in concrete set flush with ground. The disk is inscribed "LASL SURVEY MONUMENT NO 1117." The monument is situated c.a. 17' southwesterly of a "MOE" area directional sign, 9' southerly of an edge of a paved road, northeasterly of a dirt incased bunker, all within the TA-36 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/4/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area TA-36

Nearest Building No. 9 (bunker)

Distance & Bearing to Bldg.  
S'Westerly

Coordinates:

Y= 1756984.139'

X= 1634712.342'

Z= 6864.6'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

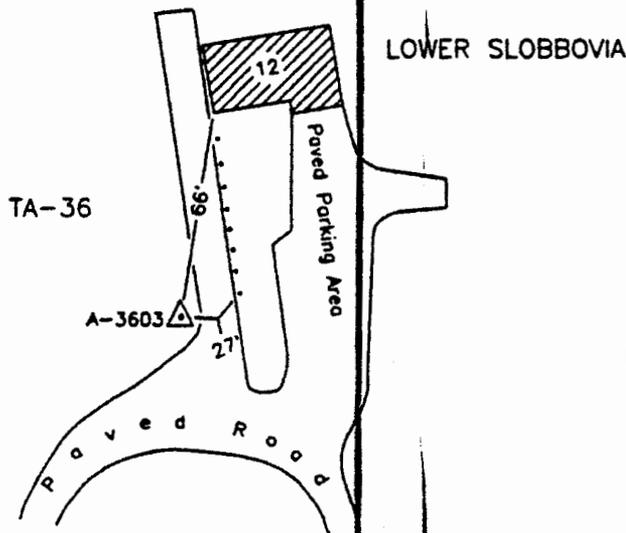
A3603

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
2.4" bronze disk encased in concrete pedestal and inscribed "LASL SURVEY MONUMENT BC 1119," situated 66' southwesterly of the southwest corner of Bldg. TA-36-12, 27' southwesterly of the southeastern-most post of a northwesterly bound line of guardrail posts. The witness posts are stamped "A3603."
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/4/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert J. Krull

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

#### Location Data

Tech. Area TA-36

Nearest Building No. TA-36-12

Distance & Bearing to Bldg.

66' NE'erly

Coordinates:

Y= 1756288.418'

X= 1639138.744'

Z= 6622.3'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

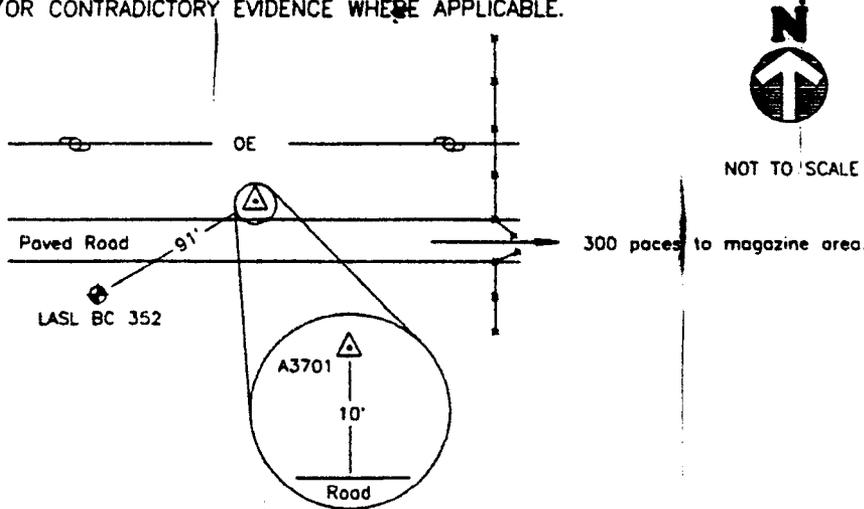
## PERMANENT MONUMENT RECORD

A3701  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk encased in concrete flush with ground, inscribed "LANL CONTROL SURVEY MONUMENT NO. A3701," dated 1992, and was set by NMPS 11457. The monument is situated on the north side of a paved road, 91' northeasterly of an existing control monument (LASL BC 352), 10' northerly of the edge of pavement, and approximately 1000' westerly of an intersection of the paved road.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>TA-37</u>
Nearest Building No. _____
Distance & Bearing to Bldg. _____
Coordinates:
Y= <u>1759277.639'</u>
X= <u>1618863.697'</u>
Z= <u>7323.7'</u>



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

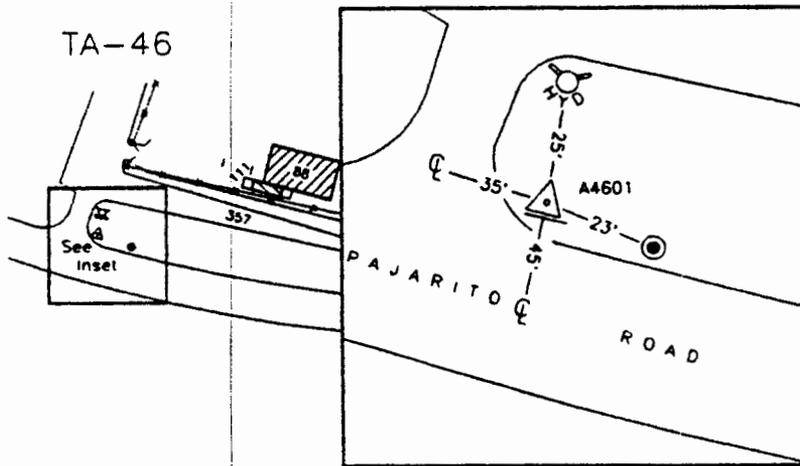
A4601

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT," dated 1992, and was set by NMP5 11457. The monument is situated 25' southerly of a fire hydrant, 23' westerly of an orange buried cable marker, 45' northerly of the CL of Pajarito Road, 35' easterly of the CL of the entrance road to TA-46, 5' easterly of the easterly edge of road of the entrance road to TA-46, approximately 50 paces southwestly of Bldg 111, all being southerly adjacent to the TA-46 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/2/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data

Tech. Area TA-46  
 Nearest Building No. 111  
 Distance & Bearing to Bldg.  
51 paces n'easterly  
 Coordinates:  
 Y= 1765618.025'  
 X= 1630579.123'  
 Z= 7100.7'



C-1 - 0-00000-1000

# LOS ALAMOS NATIONAL LABORATORY

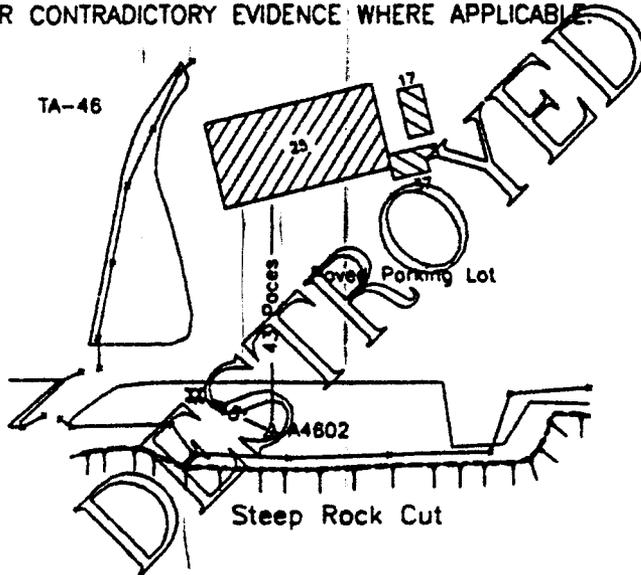
## PERMANENT MONUMENT RECORD

A4602  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A4602," dated 1992, and was set by NMPS 11457. The monument is situated 43 paces southerly of the southwesterly corner of bldg 25, 45' southeasterly of a fire hydrant, 21' northerly of a east-westerly bound fence, 21'+ northerly of the southerly edge of a steep rock cut, all being within the TA-46 complex
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/7/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area TA-46

Nearest Building No. 25

Distance & Bearing to Bldg.

43 paces N'erly

Coordinates:

Y= 1765976.794'

X= 1631678.312'

Z= 7078.2'

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A4603

Monument #

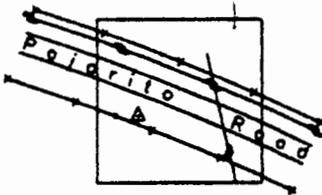
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

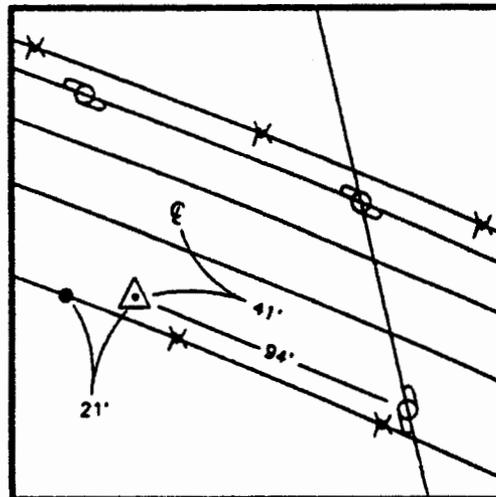
1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A4603," dated 1992, and was set by NMPS 11457. The monument is situated 30' southerly of the southerly edge of pavement of Pajarito Road, 94' westerly of a guy pole, 21' northeasterly of a "DANGER EXPLOSIVES KEEP OUT" sign, and approximately 0.3 miles easterly of the entrance to TA-46.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE



Date of Field Work 9/7/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: \_\_\_\_\_

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-46</u></p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1765017.361'</u></p> <p>X= <u>1631945.008'</u></p> <p>Z= <u>7075.7'</u></p>
---	--

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A4801  
Monument #

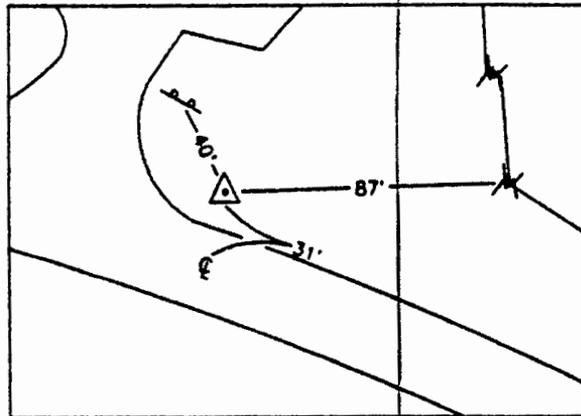
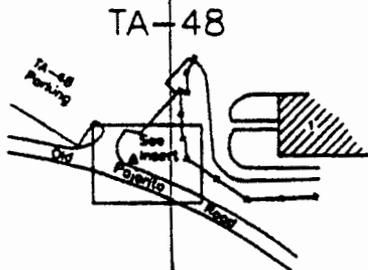
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A4801," dated 1992, and was set by NMPS 11457. The monument is situated 40' southeasterly of a "TA-48 Entry" sign, 87' westerly of a fence corner, 31' northeasterly of the  $\xi$  of Old Pajarito Road, all being at the entrance to and within the TA-48 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/4/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

<p><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>
---

<p><u>Location Data</u></p> <p>Tech. Area <u>TA-48</u></p> <p>Nearest Building No. <u>1</u></p> <p>Distance &amp; Bearing to Bldg. <u>60 paces westerly</u></p> <p>Coordinates:</p> <p>Y= <u>1770252.441'</u></p> <p>X= <u>1623423.609'</u></p> <p>Z= <u>7326.6'</u></p>
--

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A4901  
Monument #

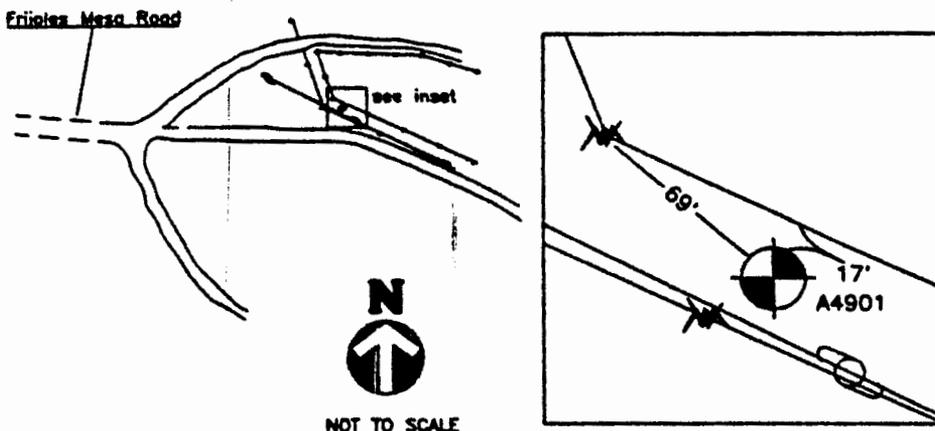
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

2.5" bronze disk embedded in concrete set flush with ground. The disk is inscribed "LASL SURVEY MONUMENT NO 1917." The monument is situated northerly of a dirt road, 69' southeasterly of a fence corner, 17' perpendicular to a fence line, easterly of an intersection, all being within the TA-49 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/4/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/22/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

Location Data  
Tech. Area TA-49  
Nearest Building No. \_\_\_\_\_  
Distance & Bearing to Bldg. \_\_\_\_\_  
Coordinates:  
Y= 1755332.955'  
X= 1624467.303'  
Z= 7172.9'



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A4902  
Monument #

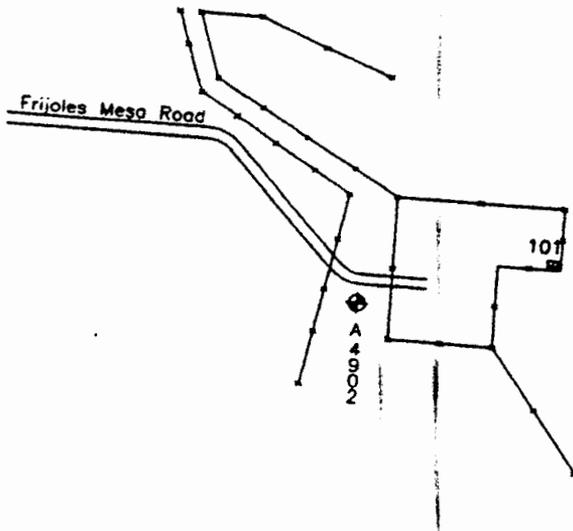
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

2.5" aluminum disk embedded in concrete set 2" above ground. The disk is inscribed "LASL SURVEY MONUMENT NO. 1918," dated 6/62, S 111+81.72 E 89+07.54. The monument is situated c.a. 350' westerly of Building 101, in the near center of a large one-way loop at the easterly end of Frijoles Mesa Drive, and within the TA-49 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/4/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-49</u>
Nearest Building No. _____
Distance & Bearing to Bldg. _____
Coordinates:
Y= <u>1754772.011'</u>
X= <u>1624912.170'</u>
Z= <u>7156.2'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A4903  
Monument #

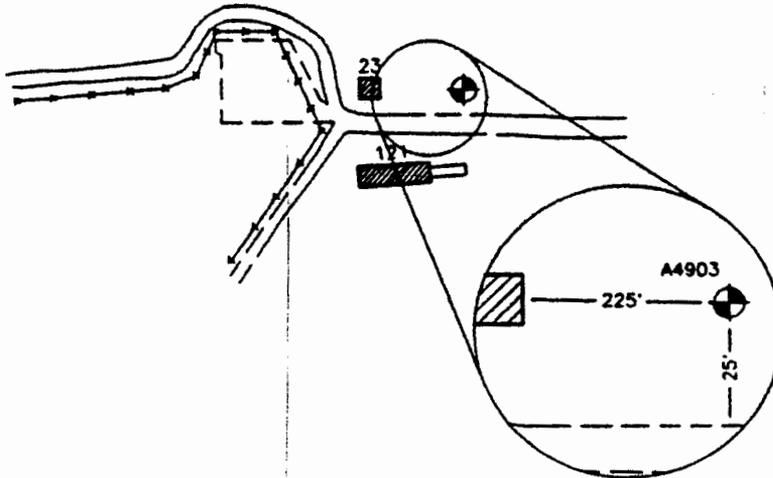
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

2.5" bronze disk embedded in concrete set flush with ground. The disk is inscribed "LASL SURVEY MONUMENT NO 1919." The monument is situated 25' northerly of the northerly edge of a dirt road, 225' easterly of a concrete building situated northerly of said dirt road, all being within the TA-49 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/4/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-49</u>
Nearest Building No. <u>Bldg 23</u>
Distance & Bearing to Bldg. <u>225' Westerly</u>
Coordinates:
Y= <u>1755312.958'</u>
X= <u>1626243.765'</u>
Z= <u>7127.0'</u>



# LOS ALAMOS NATIONAL LABORATORY

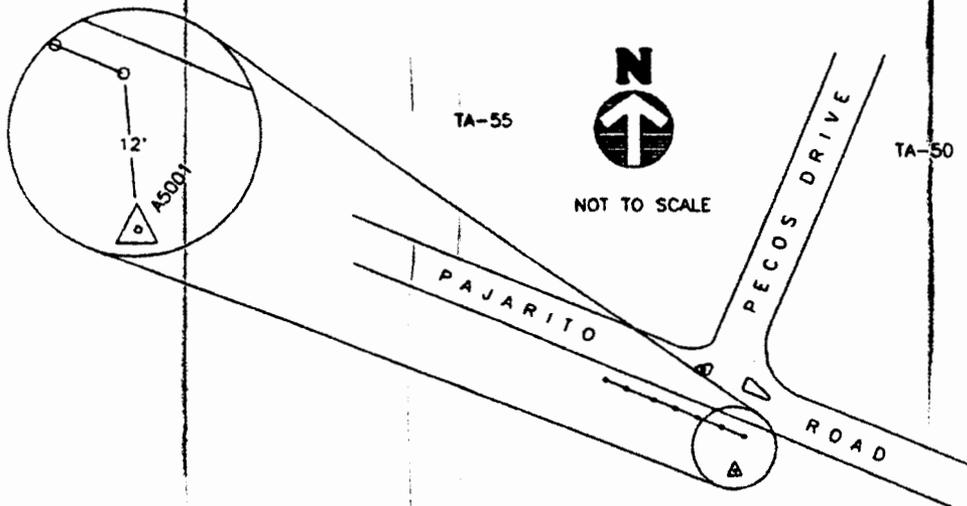
## PERMANENT MONUMENT RECORD

A5001  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A5001," dated 1992, and was set by NMPS 11457. The monument is situated 12' southerly of the easterly end of a guardrail situated southerly of the southerly edge of Pajarito Road, at the interception of Pecos Drive and Pajarito Road, all being within the TA-50 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/6/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>TA-50</u>
Nearest Building No. _____
Distance & Bearing to Bldg. _____
Coordinates:
Y= <u>1768420.430'</u>
X= <u>1625421.602'</u>
Z= <u>7274.6'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

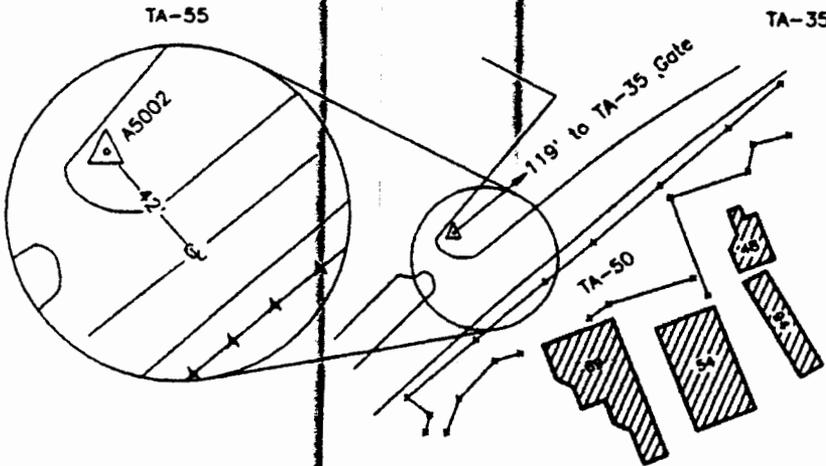
## PERMANENT MONUMENT RECORD

A5002  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A5002," dated 1992, and was set by NMPS 11457. The monument is situated 42' northwesterly of the centerline of Pecos Road, 119' southwesterly of the gate to TA-35, at the southeasterly side of a TA-55 parking lot, and within the TA-50 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/6/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-50</u>
Nearest Building No. _____
Distance & Bearing to Bldg. _____
Coordinates:
Y= <u>1769394.992'</u>
X= <u>1625863.632'</u>
Z= <u>7266.1'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

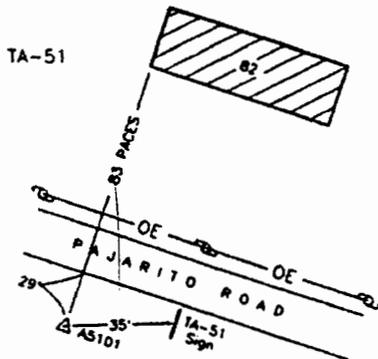
## PERMANENT MONUMENT RECORD

A5101  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A5101," dated 1992, and was set by NMPS 11457. The monument is situated 35' westerly of a TA-51 directional sign, 83 paces southwesterly of bldg 51-82. 29' southerly of the southerly edge of Pajarito Road, all being within the TA-51 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/7/92

#### 4. CERTIFICATION

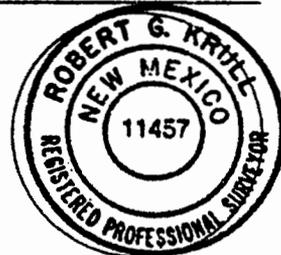
This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>TA-51</u>
Nearest Building No. <u>51-82</u>
Distance & Bearing to Bldg. <u>83 Paces N'easterly</u>
Coordinates:
Y= <u>1764445.197'</u>
X= <u>1633166.615'</u>
Z= <u>7040.3'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

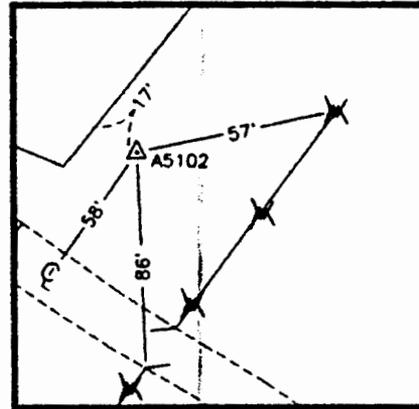
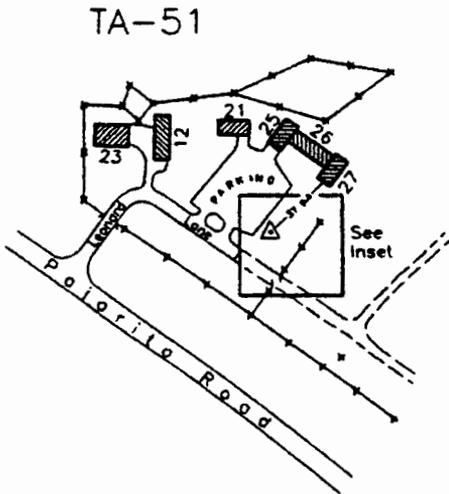
## PERMANENT MONUMENT RECORD

A5102  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A5102," dated 1992, and was set by NMPS 11457. The monument is situated 58' northeasterly of the CL of a dirt extension of Leonard Lane, 57' southwesterly of a fence ending, 86' northerly of a gatepost, 17' southeasterly of the southwesterly edge of a parking area, 37 paces southwesterly of building 27, all being within the TA 51 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/7/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-51</u>
Nearest Building No. <u>27</u>
Distance & Bearing to Bldg. <u>37 paces northeasterly</u>
Coordinates:
Y= <u>1764402.874'</u>
X= <u>1633816.050'</u>
Z= <u>7033.1'</u>



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

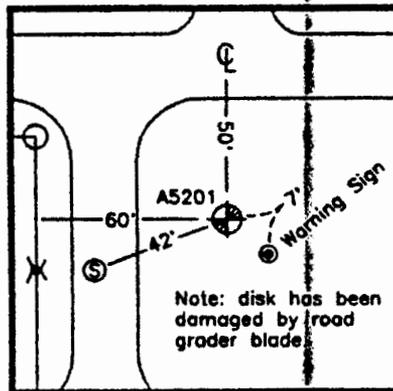
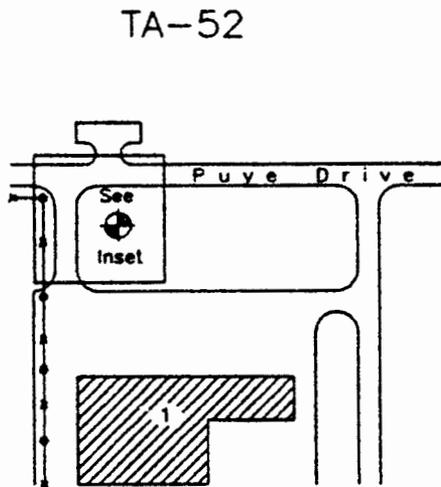
A5201

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
2.5" bronze disk embedded in concrete flush with ground. The disk is inscribed "LASL SURVEY MARKER, B.C. NO. 985, N 24+30.3, E 121+77.9, ELEV. 7177.0, DATE 4-". The monument is situated 42' northeasterly of a manhole, 60' easterly of chainlink/barbed wire fence, 7' northwesterly of a high voltage warning sign, 0.34 miles northeasterly of the interception of Pajarito Road and Puye Drive, all being within the TA-52 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/9/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 11/8/92

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

Location Data

Tech. Area TA-52

Nearest Building No: 1

Distance & Bearing to Bldg. SOUTH; DIST UNKNOWN

Coordinates:

Y= 1768233.093'

X= 1628768.802'

Z= 7177.8'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A5301  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

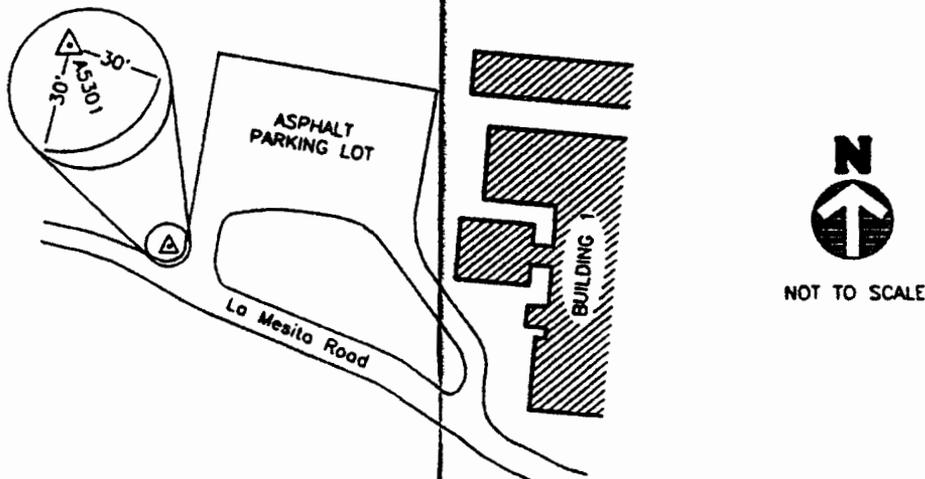
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete embedded in Tuff flush with the surface and inscribed "LANL SURVEY CONTROL MONUMENT NO. A5301," dated 1992, and was set by NMPS 11457. The monument is located 30' from the westerly curb returns at the south-west corner of an asphalt parking lot adjacent to the west side of building TA-53-01 (Administration.) Additionally, the monument is situated off the north side of La Mesita Road.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/4/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 11/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-53</u></p> <p>Nearest Building No. <u>TA-53-01</u></p> <p>Distance &amp; Bearing to Bldg. <u>Easterly</u></p> <p>Coordinates:</p> <p>Y= <u>1771563.297'</u></p> <p>X= <u>1634241.777'</u></p> <p>Z= <u>7064.7'</u></p>	 <p>SURVEYORS SEAL</p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

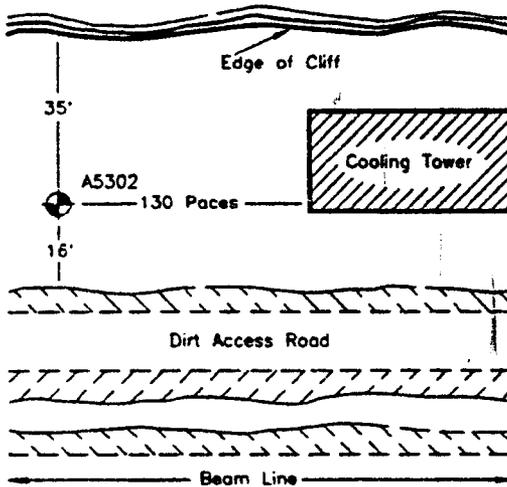
A5302

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
5" bronze disk embedded in concrete. The disk is inscribed "KOOGLE & POULS ENGINEERING MON 6, ELEV. 7035.98, LASL+1955, X=496,020.44, Y=1771672.15, 1966." The monument is situated southerly of the southerly edge of L.A. Canyon, northerly of a dirt access road, northerly of the Beam Line, 130 paces westerly of the westerly-most cooling tower, all being within the TA-53 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/6/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

Location Data  
Tech. Area TA-53  
Nearest Building No. Cooling Tower  
Distance & Bearing to Bldg.  
130 paces easterly  
Coordinates:  
Y= 1771733.658'  
X= 1636264.387'  
Z= 7035.9'



# LOS ALAMOS NATIONAL LABORATORY

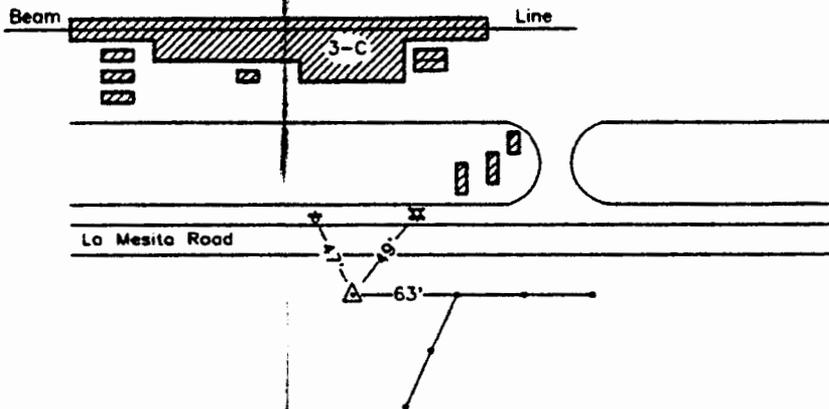
## PERMANENT MONUMENT RECORD

A5303  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A5303," dated 1992, and was set by NMPS 11457. The monument is located on the south side of La Mesita Road across the street southerly of Building 3-C, 47' southeasterly of a water valve, 49' southwesterly of a fire hydrant, and 63' westerly of a fence corner, and within the TA-53 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/6/92

4. CERTIFICATION  
This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing  
Central Point  
By \_\_\_\_\_  
Date \_\_\_\_\_  
Reference \_\_\_\_\_

Location Data  
Tech. Area TA-53  
Nearest Building No. TA-53-3C  
Distance & Bearing to Bldg.  
Northerly  
Coordinates:  
Y= 1771408.435'  
X= 1636124.966'  
Z= 6997.2'



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

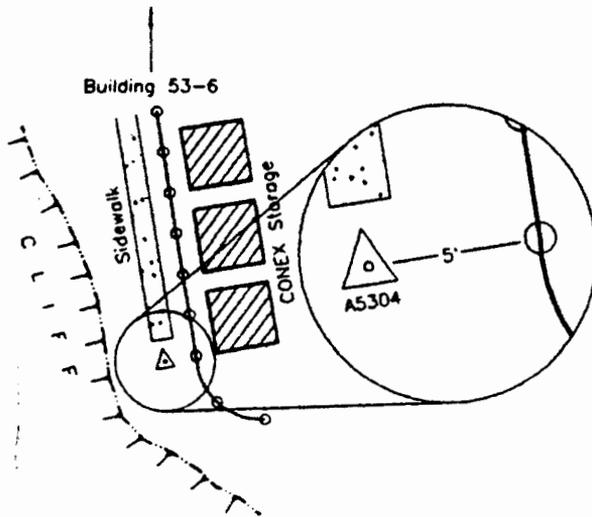
A5304

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A5304," dated 1992, and was set by NMPS 11457. The monument is situated 167 paces southerly of bldg 53-6, 5' westerly of a guardrail, 10'+ westerly of a cluster of CONEX type storage containers, easterly of the westerly edge of a cliff, all being within the TA-53 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/6/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area TA-53

Nearest Building No. 53-6

Distance & Bearing to Bldg. \_\_\_\_\_

167 paces N'erly

Coordinates:

Y= 1770353.264'

X= 1637591.252'

Z= 6947.4'



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A5305  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

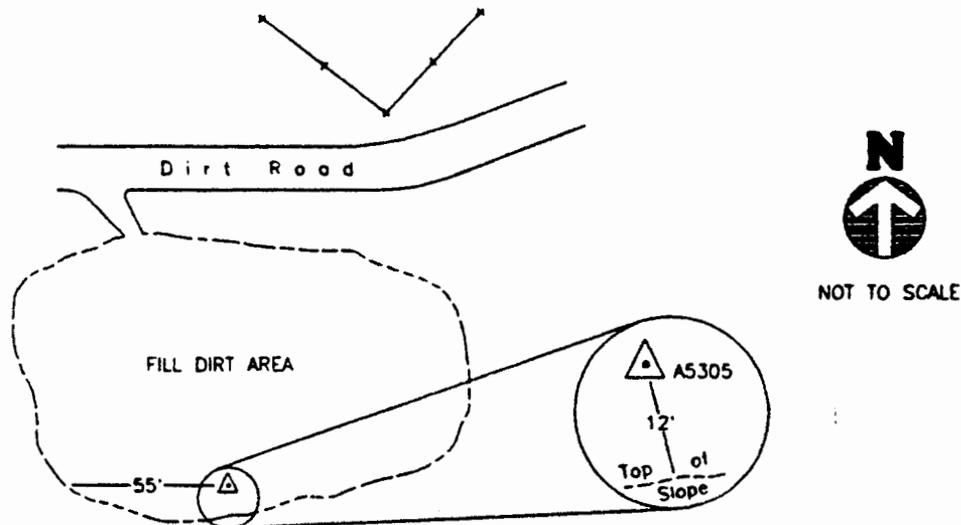
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A5305," dated 1992, and was set by NMPS 11457. The monument is situated atop a fill dirt area southerly of a dirt road, approximately 900' northerly of East Jemez Road, and approximately 900' southerly of Building 3-R, and being within the TA-53 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/6/92

4. CERTIFICATION

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Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

Location Data  
Tech. Area TA-53  
Nearest Building No. \_\_\_\_\_  
Distance & Bearing to Bldg. \_\_\_\_\_  
Coordinates:  
Y= 1770286.933'  
X= 1638521.611'  
Z= 6944.7'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

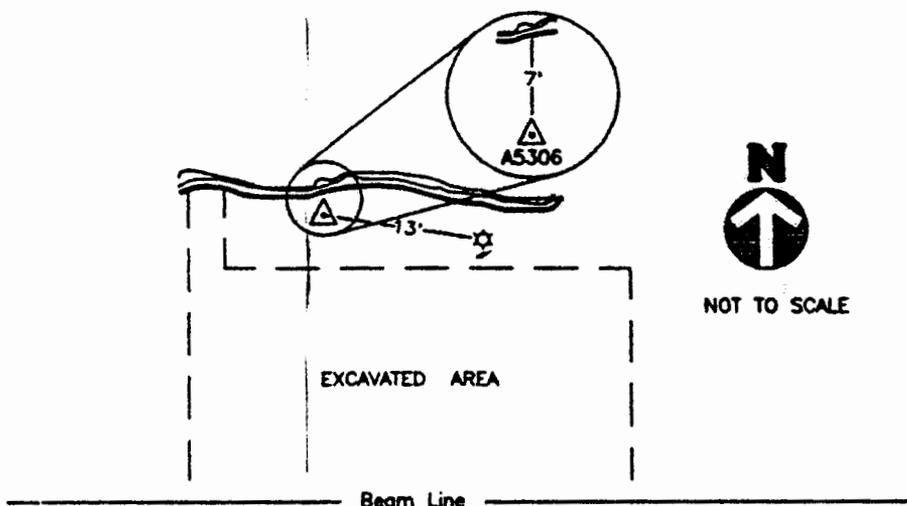
## PERMANENT MONUMENT RECORD

A5306  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A5306," dated 1992, and was set by NMPS 11457.  
The monument is situated between the lip of a cliff and an excavation area northerly of Area B, 53-3N, and within the TA-53 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/6/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data  
Tech. Area TA-53  
Nearest Building No. Beam Line  
Distance & Bearing to Bldg. Southerly  
Coordinates:  
Y= 1772073.059'  
X= 1638249.058'  
Z= 7010.5'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A5307  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

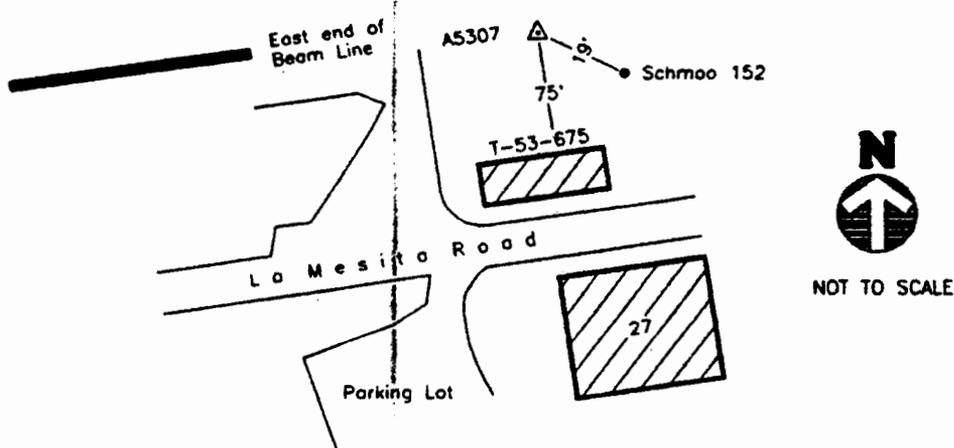
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A5307," dated 1992, and was set by NMPS 11457. The monument is situated atop a very steep rise northeasterly of an intersection of La Mesita Road, 75' northerly of Temporary Bldg No 50-675, 19' northwesterly of Schmoos 152, all being within the TA-53 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/6/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert A. Bull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>
---

<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-53</u></p> <p>Nearest Building No. <u>T-53-675</u></p> <p>Distance &amp; Bearing to Bldg. <u>75' Southerly</u></p> <p>Coordinates:</p> <p>Y= <u>1771456.566'</u></p> <p>X= <u>1639017.392'</u></p> <p>Z= <u>6961.4'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

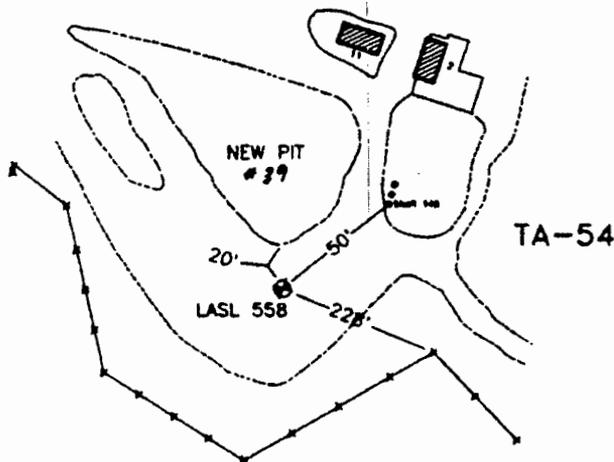
A5401

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
2.5" bronze disk embedded in concrete set flush with ground. The disk is inscribed "LASL SURVEY MARKER NO. 588 S74+24.63 E269+73.02 EL 6720.29." The monument is situated circa 20' southerly of a borrow pit, 228' northwesterly of a fence corner, 50' southwesterly of a 30" capped concrete shaft, circa 360' southwesterly of Building 2, and within the TA-54 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/2/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krjel  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

#### Location Data

Tech. Area TA-54  
Nearest Building No. 11  
Distance & Bearing to Bldg.  
N'Easterly  
Coordinates:  
Y= 1757756.408'  
X= 1643121.428'  
Z= 6720.4'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A5402  
Monument #

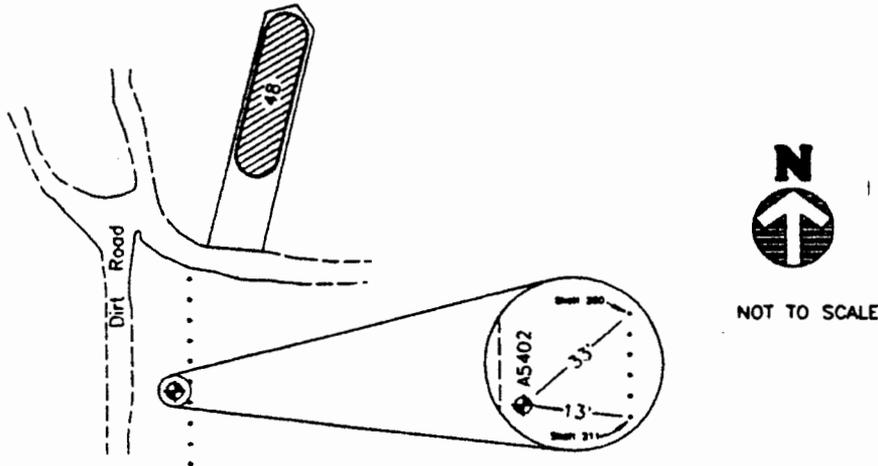
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

2.5" partially obliterated bronze disk embedded in concrete set 2" below surface of ground. The disk is inscribed "LASL SURVEY MARKER S7.....E2B....." The monument is situated westerly of a northerly bound row of 30" capped concrete shafts, easterly of a dirt road, c.o. 150' southwesterly of Building 48, and within the TA-54 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/9/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>
---

Location Data

Tech. Area TA-54

Nearest Building No. Building 48

Distance & Bearing to Bldg.  
NE'erly 150'

Coordinates:  
Y= 1757579.673'  
X= 1644520.756'  
Z= 6673.5'



# LOS ALAMOS NATIONAL LABORATORY

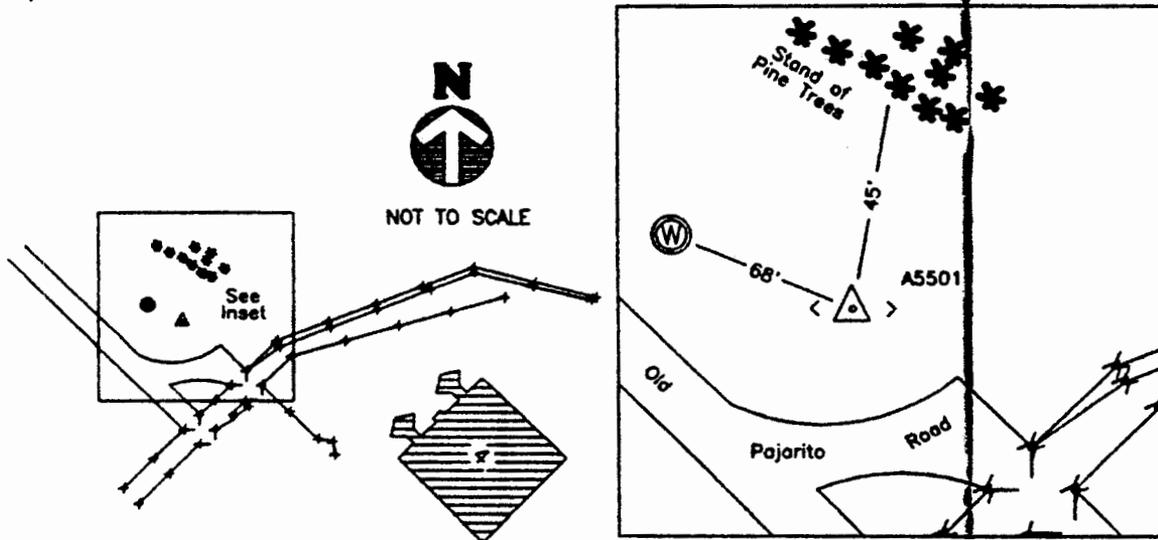
## PERMANENT MONUMENT RECORD

A5501  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO A5501," dated 1992, and was set by NMPS 11457. The monument is situated approximately 45' southerly of a stand of pine trees, 68' southeasterly of a test well, between two iron fence posts, adjacent to and northerly of a "Y" in a remnant of Pajarito Road, 190 paces northwesterly of Building 4, all being within the TA-55 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/6/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area TA-55

Nearest Building No. 4

Distance & Bearing to Bldg.

190 paces S'Easterly

Coordinates:

Y= 1769815.635'

X= 1624111.940'

Z= 7314.1'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

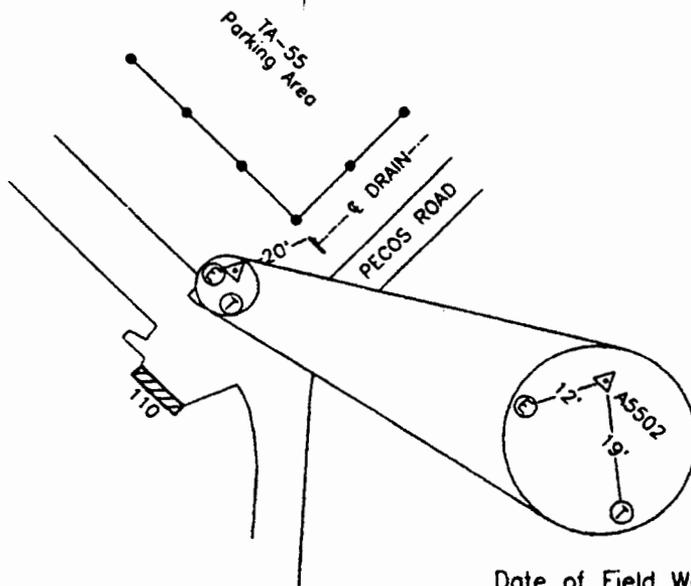
A5502

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. A5502," dated 1992, and was set by NMPS 11457.  
The monument is situated 20' southwesterly of a headwall, 19' northerly of a telephone manhole, 12' northeasterly of a utility manhole, northwesterly of Pecos Drive, southerly of a TA-55 parking area, and within the TA-55 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/6/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krill  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area TA-55

Nearest Building No. TA-55-110

Distance & Bearing to Bldg.

Southerly

Coordinates:

Y= 1768932.685'

X= 1625300.054'

Z= 7284.6'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

APM01  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

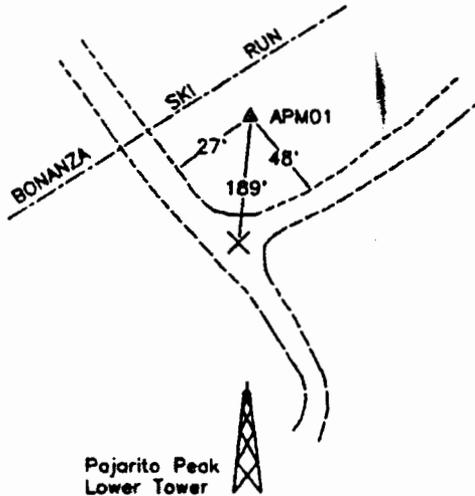
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete set flush with ground. The disk is inscribed "LANL SURVEY CONTROL POINT NO. APM01," dated 1992, and was set by NMPS 11457. The monument is situated c.a. 189' northerly of an intersection of two dirt roads, northerly of a radio transmission tower, at the approximate center-line of the "Bonanza" ski-run, and within the Pajarito ski complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/5/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>
---

<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>Pajarito Ski Area</u></p> <p>Nearest Building No. <u>Lower Tower</u></p> <p>Distance &amp; Bearing to Bldg. <u>320' S'Westerly</u></p> <p>Coordinates:</p> <p>Y= <u>1777943.012'</u></p> <p>X= <u>1599575.394'</u></p> <p>Z= <u>9975.9'</u></p>
--



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

APM02  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

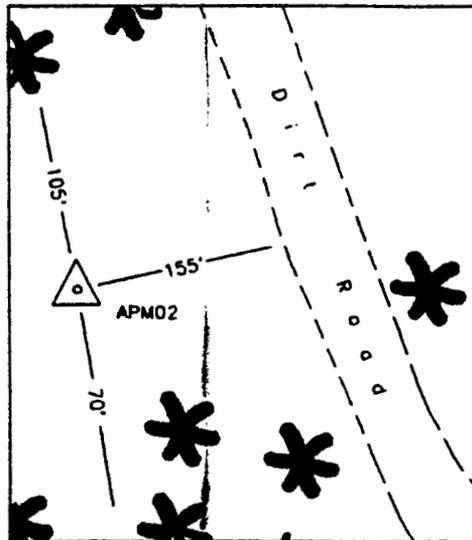
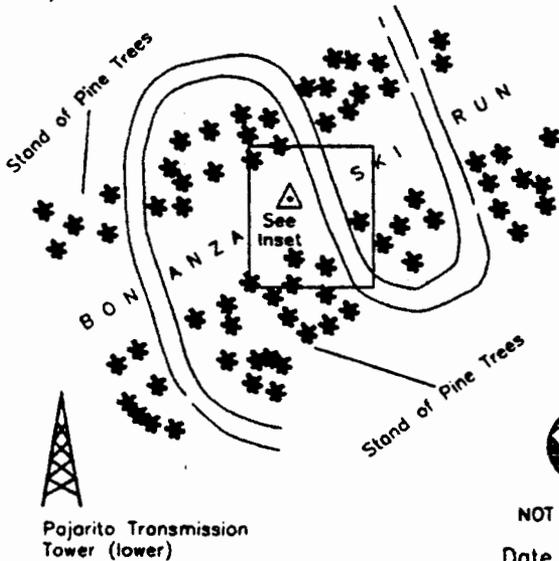
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO APM02," dated 1992, and was set by NMPS 11457. The monument is situated approximately 155' westerly of a dirt road, 430' easterly of Monument APM01, and near the centerline of the "Bonanza" ski run, all being within the Pajarito Mountain ski resort complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE  
Date of Field Work 9/5/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>Ski Area</u>
Nearest Building No. <u>Lower Tower</u>
Distance & Bearing to Bldg. <u>645' S'Westerly</u>
Coordinates:
Y= <u>1778082.570'</u>
X= <u>1599980.697'</u>
Z= <u>9885.5'</u>



SURVEYOR'S  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

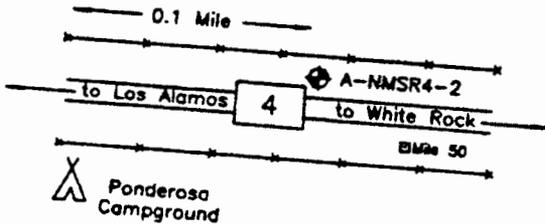
## PERMANENT MONUMENT RECORD

A-NMSR4-2  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.0" bronze disk embedded in concrete. The disk is inscribed "KOOGLE & POULS ENGINEERING NMSR4-2, ELEV., 1966." The monument is situated 0.1 mile easterly of the Ponderosa Campground, northwesterly of NMSR 4 milepost 50, northerly of the centerline of NMSR 4, southerly of the northerly RW fence of NMSR 4, all being within T19N, R6E, NMPM, and within Los Alamos County.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/3/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert J. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/9/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area TA-28

Nearest Building No. Campground

Distance & Bearing to Bldg.

0.1 mile Westerly

Coordinates:

Y= 1758748.194'

X= 1609644.078'

Z= 7600.7'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

A-NMSR4-7  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

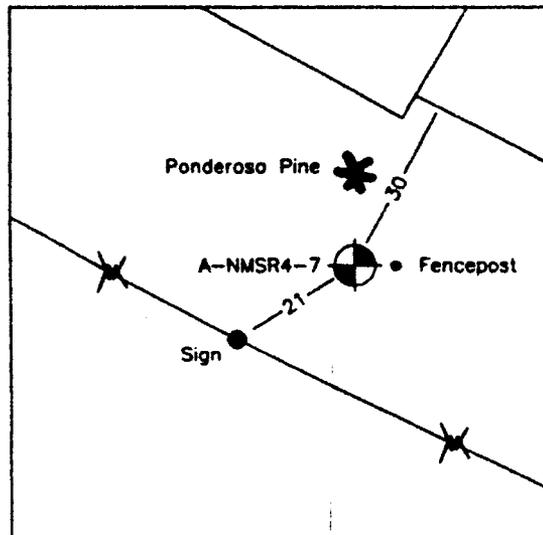
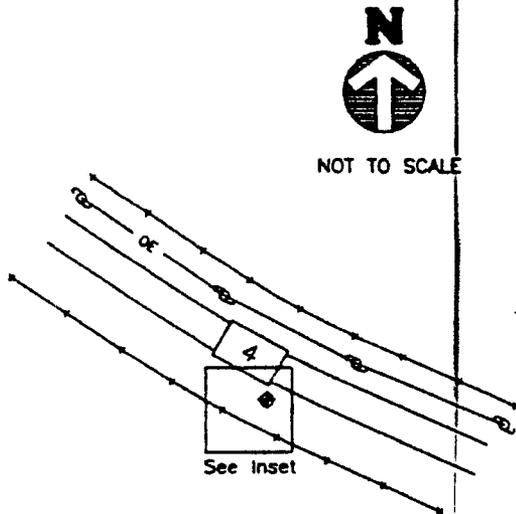
All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.0" bronze disk embedded in concrete flush with ground. The disk is inscribed "KOOGLE & POULS ENGINEERING NMSR4-7, ELEV., 1966." The monument is situated at approximately SR4 mile 51.1, 30' southwesterly of the southwesterly edge of pavement of SR4, southerly of a 10' tall Ponderosa pine tree, 21' northeasterly of a "Closed For Hunting" sign, 1' west-erly of a steel fencepost, all being within T19N, R6E NMPM, and within Los Alamos County.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/3/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area SOUTH OF TA-28

Nearest Building No. \_\_\_\_\_

Distance & Bearing to Bldg. \_\_\_\_\_

Coordinates:

Y= 1757529.968'

X= 1614996.941'

Z= 7408.2'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

APR05  
Monument #

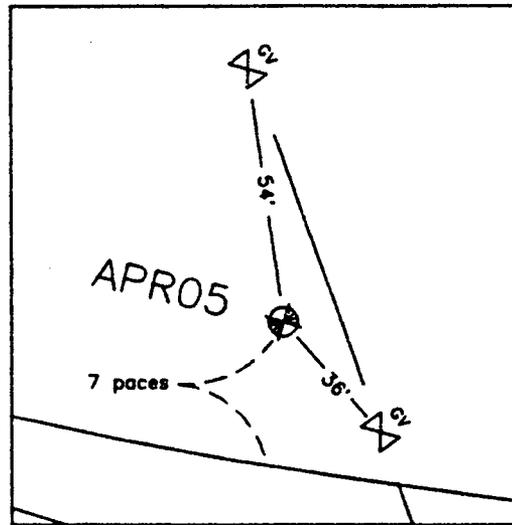
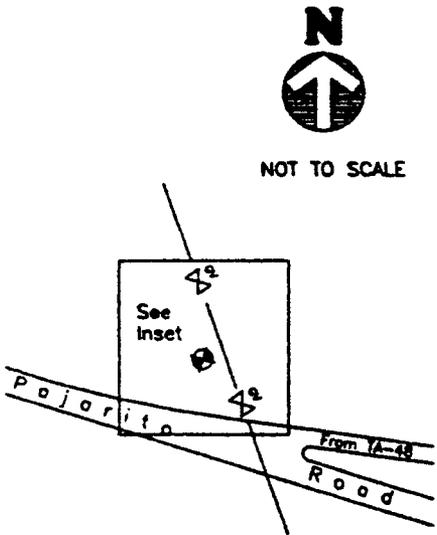
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3' bronze disk embedded in concrete flush with ground. The disk is inscribed "KOOGLER & POULS ENGINEERING PAJ.5.ELEV.,1966." The monument is situated at the top of a ridge, 36' southwesterly of a gas control valve, 54' southeasterly of a gas control valve, 7 paces northerly of the northerly edge of lane of the TA-48 exit lane, all being in the TA-48 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/13/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krueh  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u> Central Point By _____ Date _____ Reference _____
--

<u>Location Data</u>
Tech. Area <u>TA-48</u>
Nearest Building No. _____
Distance & Bearing to Bldg. _____
Coordinates:
Y= <u>1770638.457'</u>
X= <u>1622030.498'</u>
Z= <u>7354.3'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

APR10  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

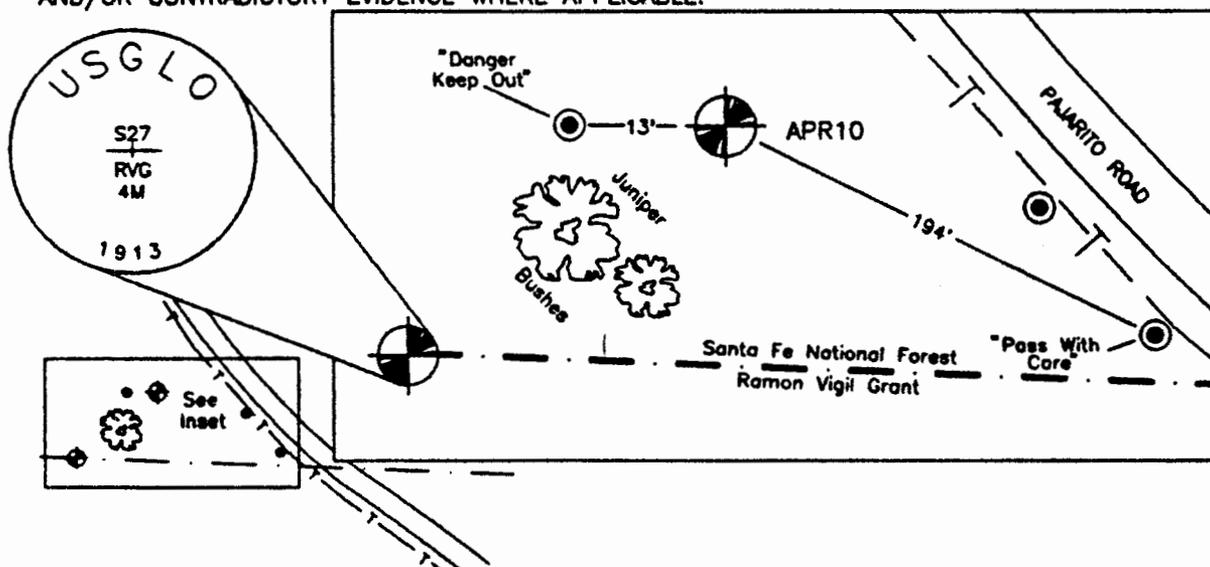
1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.0" bronze disk embedded in concrete flush with ground. The disk is inscribed "KOOGLE & POULS ENGINEERING PAJ10, ELEV., 1966." The monument is situated approximately 36' southerly of the southerly edge of pavement of Pajarito Road, 194' northwesterly of a "Pass With Care" sign, 13' easterly of a "Danger Keep Out" sign, 57' northwesterly of an underground cable marker, 69' northeasterly of a USGLO monument, all being within the TA-66 complex, all being adjacent to the Santa Fe National Forest/Ramon Vigil Grant line.



3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.

NOT TO SCALE



Date of Field Work 9/6/92

4. CERTIFICATION

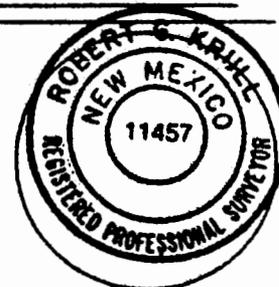
This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Bull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>TA-66</u>
Nearest Building No. _____
Distance & Bearing to Bldg. _____
Coordinates:
Y= <u>1766789.739'</u>
X= <u>1627763.847'</u>
Z= <u>7181.1'</u>



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

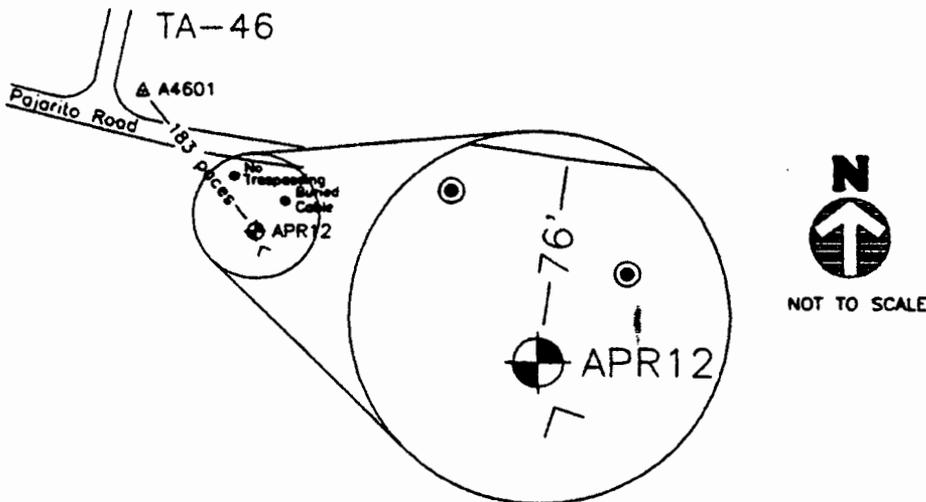
## PERMANENT MONUMENT RECORD

APR12  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 3.0" bronze disk embedded in concrete flush with ground. The disk is inscribed "KOOGLE & POULS ENGINEERING PAJ12, ELEV., 1966." The monument is situated approximately 76' southwesterly of the southwesterly edge of pavement of Pajarito Road, 39' southerly of a USDE "No Trespassing" sign, 29' southwesterly of a buried cable sign, adjacent to a steel fence post, all being within the TA-46 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/6/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<p><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-46</u></p> <p>Nearest Building No. <u>Mon. A4601</u></p> <p>Distance &amp; Bearing to Bldg. <u>590' northwesterly</u></p> <p>Coordinates:</p> <p>Y= <u>1765258.227'</u></p> <p>X= <u>1631045.909'</u></p> <p>Z= <u>7089.4'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

APR16

Monument # \_\_\_\_\_

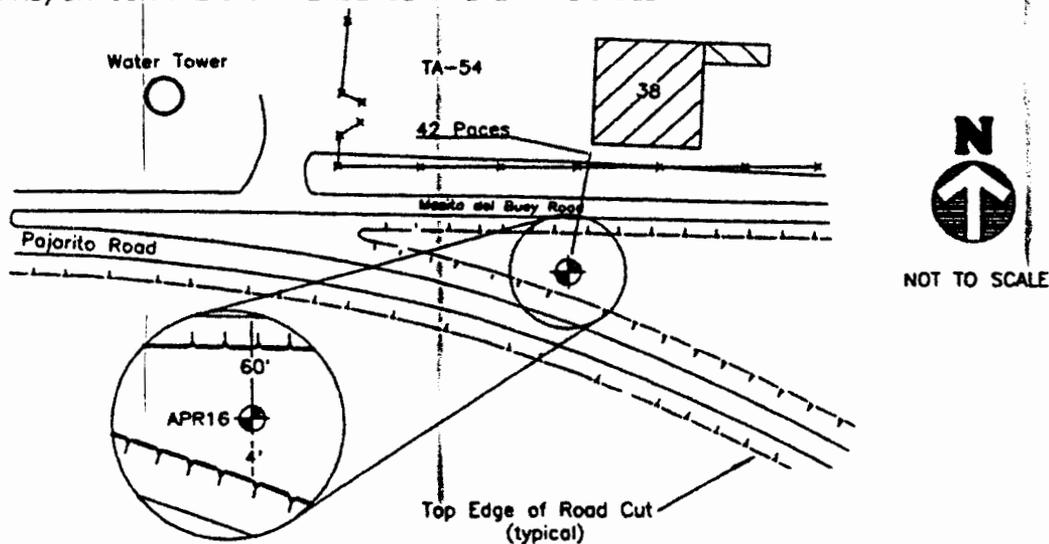
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 3" bronze disk embedded in concrete set flush with ground. The disk is inscribed "KOOGLER & POULS ENGINEERING PAJ16, ELEV., 1966." The monument is situated 42 paces southwest-erly of bldg 54-38, 60' southerly of the southerly edge of Mesita del Buey Road, 4' northerly of the top edge of the northerly cut adjacent to the northerly edge of Pajarito Road, all being within the TA-54 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/7/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert J. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

<u>Accepted For Filing</u> Central Point By _____ Date _____ Reference _____
--

<u>Location Data</u> Tech. Area <u>TA-54</u> Nearest Building No. <u>54-38</u> Distance & Bearing to Bldg. <u>42 Paces N'Easterly</u> Coordinates: Y= <u>1762753.050'</u> X= <u>1635712.323'</u> Z= <u>6904.1'</u>
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SURVEYORS  
SEAL



# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

APR18  
Monument #

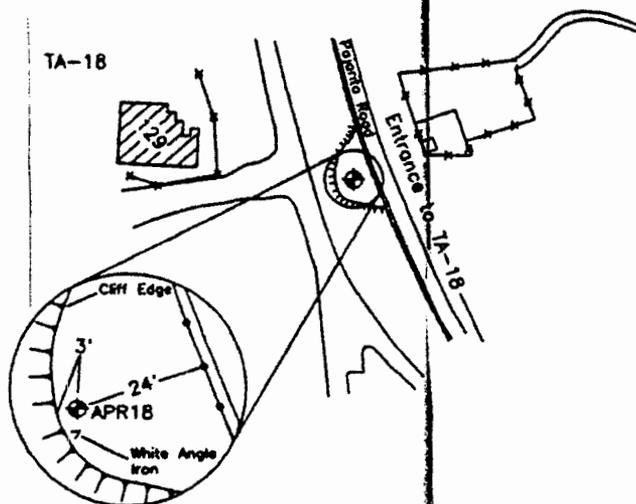
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3" bronze disk embedded in concrete set flush with ground. The disk is inscribed "KOOGLER & POULS ENGINEERING PAJ18, ELEV., 1966." The monument is situated northerly of the southerly edge of a cliff, 24' southerly of a guard rail bounding the southerly edge of Pajarito Road, c.a. 600' northwesterly of an entrance to TA-18, all being adjacent to the TA-18 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work 9/7/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert G. Krull  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data
Tech. Area <u>TA-18</u>
Nearest Building No. <u>129</u>
Distance & Bearing to Bldg. <u>200' Westerly</u>
Coordinates:
Y= <u>1761045.246'</u>
X= <u>1636332.264'</u>
Z= <u>6773.5'</u>



SURVEYORS  
SEAL

10014 - 10014 - 10014

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

B0001  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

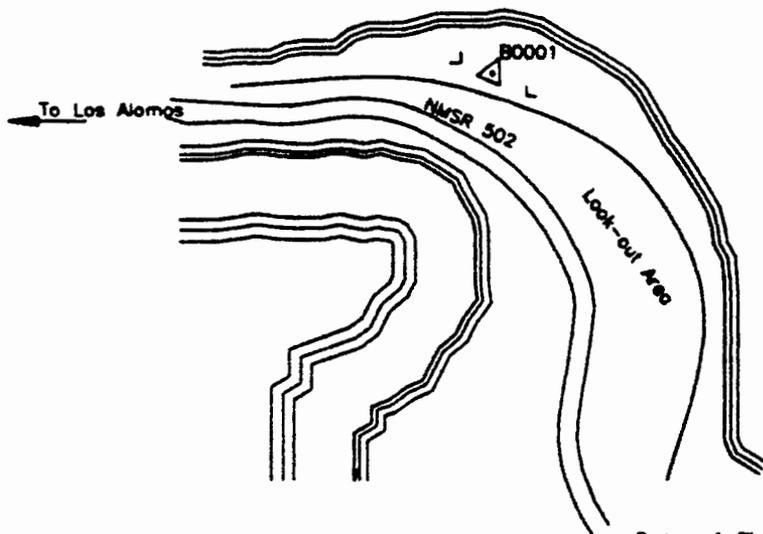
All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other GPS BRONZE CAP MONUMENT

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

Starting at, and proceeding from the intersection of NMSR.s 4 and 502, a distance of approximately 1.5 miles westerly on NMSR 502, find at the centerpoint and to the right of a sharp curve to the left, a look-out point. Within 100' northwesterly of said look-out point, and northerly of a guard rail, find a concrete encased aluminum cap monument situated between two angle iron witness posts, and labeled B0001.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



N  
↑  
NOT TO SCALE

Date of Field Work August, 1993

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>NMSR 502</u></p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1773039.676</u></p> <p>X= <u>1645399.117</u></p> <p>Z= <u>6731.675'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

B0002  
Monument #

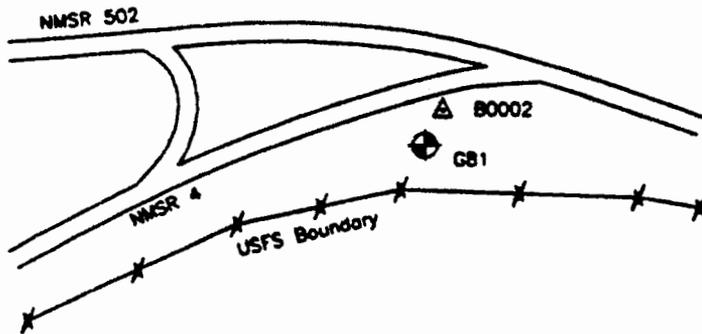
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other GPS ALUMINUM CAP MONUMENT
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

Within 500' westerly, within 50' southerly, of the interception of NMSR.s 4 and 502, within 100' northeasterly of a USCGS BC survey monument, find situated between two angle-iron witness posts, a aluminum cap monument encased in concrete and labeled B0002.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work August, 1993

4. CERTIFICATION

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Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area _____</p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1771610.397</u></p> <p>X= <u>1651994.035</u></p> <p>Z= <u>6309.909'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

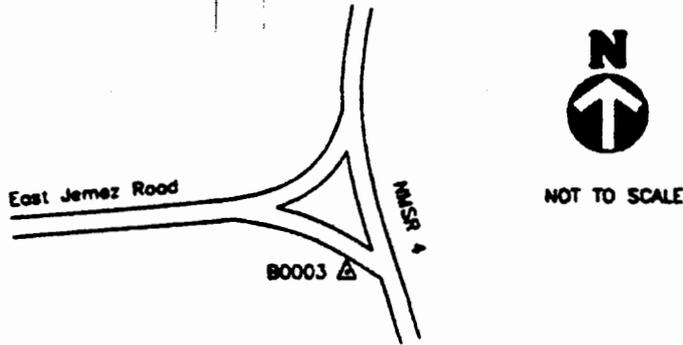
## PERMANENT MONUMENT RECORD

B0003  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other GPS ALUMINUM CAP MONUMENT
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
At the interception of East Jemez Road and NMSR 4, situated between two angle iron witness posts, encased in concrete, find a aluminum cap monument labeled B0003.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work August, 1993

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: \_\_\_\_\_

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>NMSR 4</u></p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1767819.348</u></p> <p>X= <u>1648054.621</u></p> <p>Z= <u>6503.159'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

B0004  
Monument #

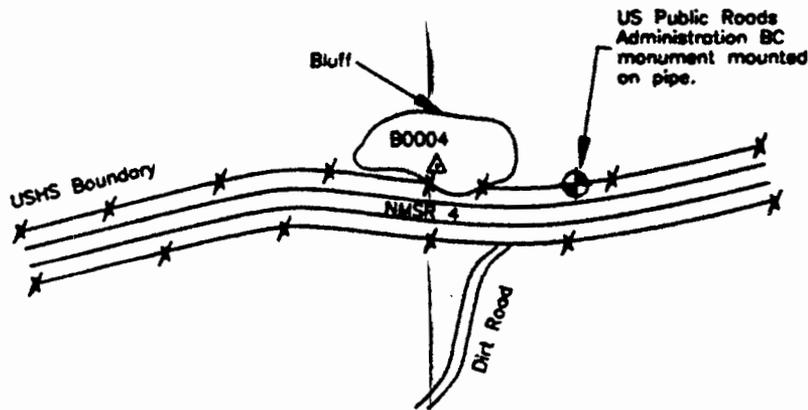
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other GPS ALUMINUM CAP MONUMENT
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

Beginning at the interception of East Jemez Road and NMSR 4, proceeding in a south-southeasterly direction along NMSR 4 a distance of approximately .3 miles, and situated at the top of a small bluff on the easterly side of NMSR 4, between two angle iron witness posts, find a aluminum cap monument enclosed in concrete and labeled B0004.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



N  
←  
NOT TO SCALE

Date of Field Work \_\_\_\_\_

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: August, 1993

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>NMSR 4</u></p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1765209.321</u></p> <p>X= <u>1649420.566</u></p> <p>Z= <u>6538.230'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

B0005  
Monument #

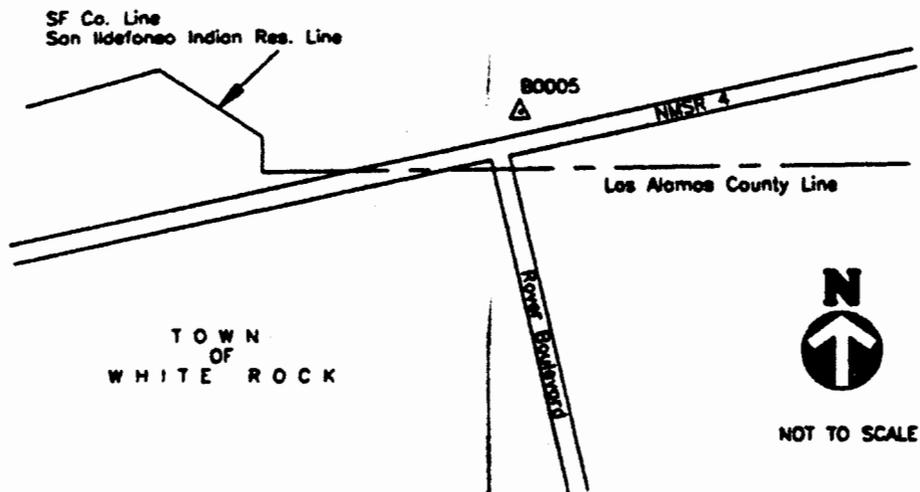
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other GPS ALUMINUM CAP MONUMENT

2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 Within 50' and northeasterly of the interception of Rover Boulevard and NMSR 4, within Santa Fe County, within the San Ildefonso Indian Reservation, and within the city limits of White Rock, NM, find situated between two angle iron witness posts a aluminum cap monument enclosed in concrete and labeled B0005.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



Date of Field Work \_\_\_\_\_

4. CERTIFICATION  
 This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: August, 1993

Accepted For Filing  
 Central Point  
 By \_\_\_\_\_  
 Date \_\_\_\_\_  
 Reference \_\_\_\_\_

Location Data  
 Tech. Area White Rock Townsite  
 Nearest Building No. \_\_\_\_\_  
 Distance & Bearing to Bldg. \_\_\_\_\_  
 Coordinates:  
 Y= 1757070.210  
 X= 1653307.425  
 Z= 6389.705'

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

B0006

Monument #

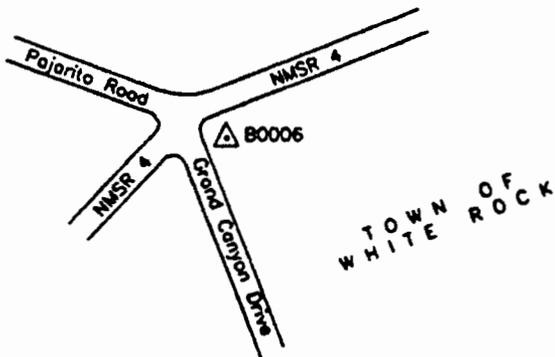
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other GPS ALUMINUM CAP MONUMENT
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete set flush with ground atop a knoll, within 100' of the intersections of Pejarito Road, NMSR 4, and Grand Canyon Drive, situated between two angle iron witness posts, and labeled "LANL SURVEY CONTROL MONUMENT B0006."

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work August, 1993

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

<u>Accepted For Filing</u>	<u>Location Data</u>
Central Point	Tech. Area <u>Whiterock Townsite</u>
By _____	Nearest Building No. _____
Date _____	Distance & Bearing to Bldg. _____
Reference _____	Coordinates:
	Y= <u>1754880.476'</u>
	X= <u>1648970.386'</u>
	Z= <u>6522.994'</u>

# LOS ALAMOS NATIONAL LABORATORY

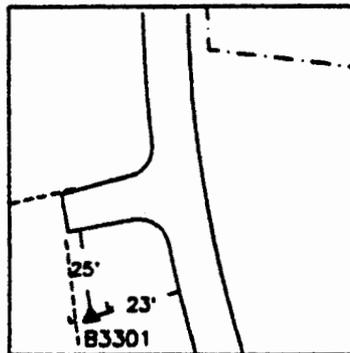
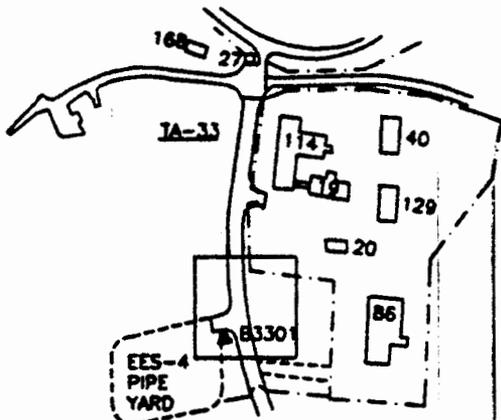
## PERMANENT MONUMENT RECORD

B3301  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" bronze disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. B3301, dated 9-24-93 N.M.P.S. 5810." The monument is situated 23' westerly of the westerly edge of paved road to southeasterly site. 25' southerly of the southerly edge of paved turn of to pipe yard. Witnessed by two angle-iron posts, oil being within the TA-33 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



N  
↑  
NOT TO SCALE

Date of Field Work \_\_\_\_\_

#### 4. CERTIFICATION

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Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

#### Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

#### Location Data

Tech. Area 33

Nearest Building No. 33-86

Distance & Bearing to Bldg.

EASTERLY

Coordinates:

Y= 1739959.735'

X= 1638417.648'

Z= 6544.7'

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

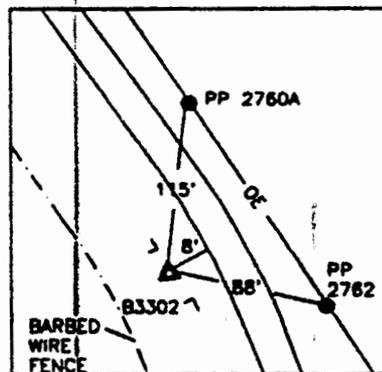
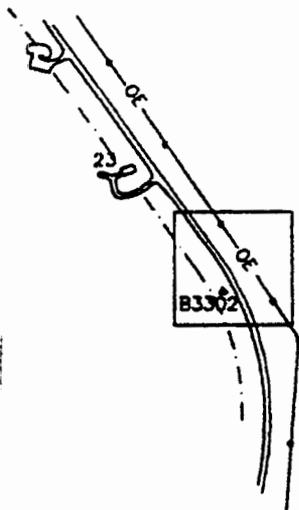
B3302

Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" bronze disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. B-3302, dated 9-24-93 N.M.P.S. 5810." The monument is situated 0.4 miles SE from control gate, 8' southwesterly of the westerly edge of paved road to southeasterly site. Witnessed by two angle-iron posts, all being within the TA-33 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work \_\_\_\_\_

#### 4. CERTIFICATION

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Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>33</u>
Nearest Building No. <u>33-23</u>
Distance & Bearing to Bldg. <u>NORTHWESTERLY</u>
Coordinates:
Y= <u>1738420.043'</u>
X= <u>1639447.574'</u>
Z= <u>6495.7'</u>

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

B3303  
Monument #

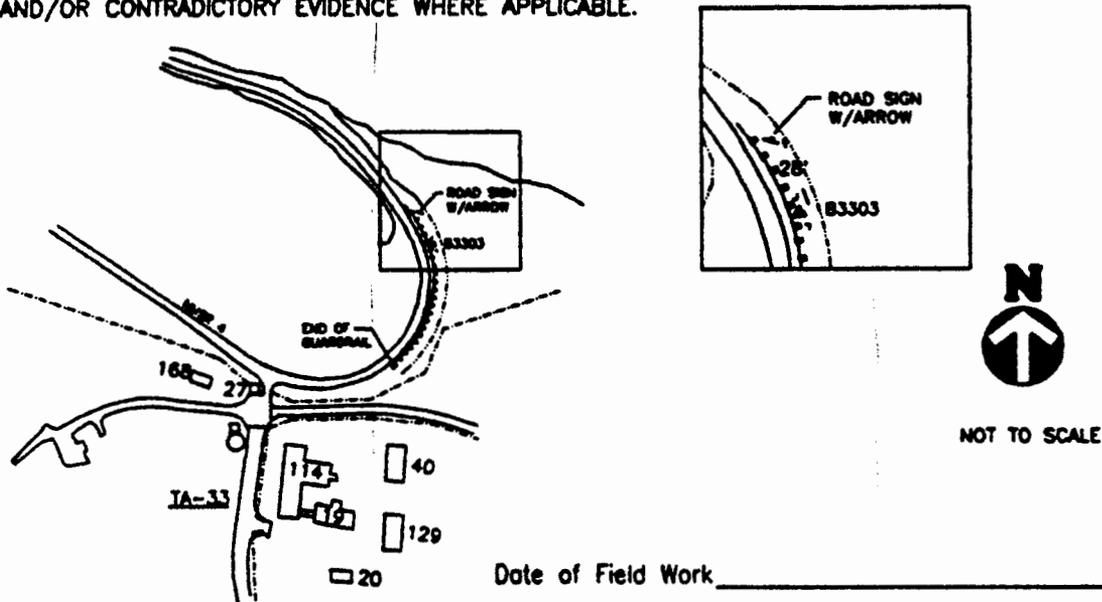
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" bronze disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO B3303," dated 9-24-93 and set by NMPS 5810. The MONUMENT is situated at the north-easterly side of curve of NMSR 4, approximate 122 paces from end of guardrail, and northeasterly from driveway to TA-33. Witnessed by two angle-iron posts, all being within the TA-33 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



4. CERTIFICATION

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Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

<u>Accepted For Filing</u>
Central Point
By _____
Date _____
Reference _____

<u>Location Data</u>
Tech. Area <u>33</u>
Nearest Building No. <u>33-27</u>
Distance & Bearing to Bldg. <u>SOUTHWESTERLY</u>
Coordinates:
Y= <u>1741035.484'</u>
X= <u>1638905.781'</u>
Z= <u>6530.0'</u>

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

83902  
Monument #

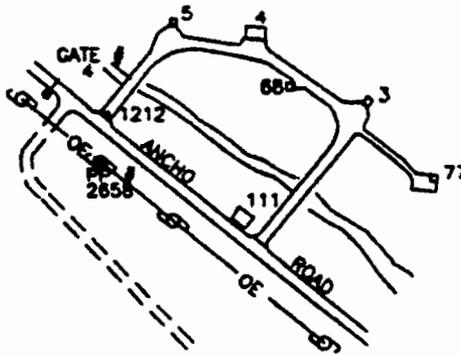
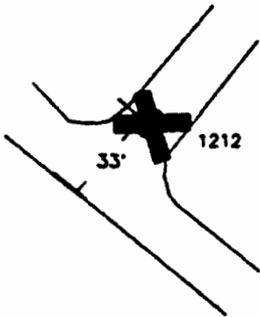
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

1.25" aluminum disk embedded in asphalt pavement flush with road. The disk is inscribed "1212". The disk is situated at the center of driveway to structure AC-5, its approximate 13 paces from the southwesterly edge of Ancho Road. Witnessed by a big white paint "X" mark on asphalt pavement, all being within the TA-39 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work \_\_\_\_\_

4. CERTIFICATION

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Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

Accepted For Filing	Location Data
Central Point	Tech. Area <u>39</u>
By _____	Nearest Building No. <u>39-111</u>
Date _____	Distance & Bearing to Bldg. <u>SOUTHEASTERLY</u>
Reference _____	Coordinates:
	Y= <u>1744732.259'</u>
	X= <u>1638716.260'</u>
	Z= <u>6328.4'</u>

# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

B5201  
Monument #

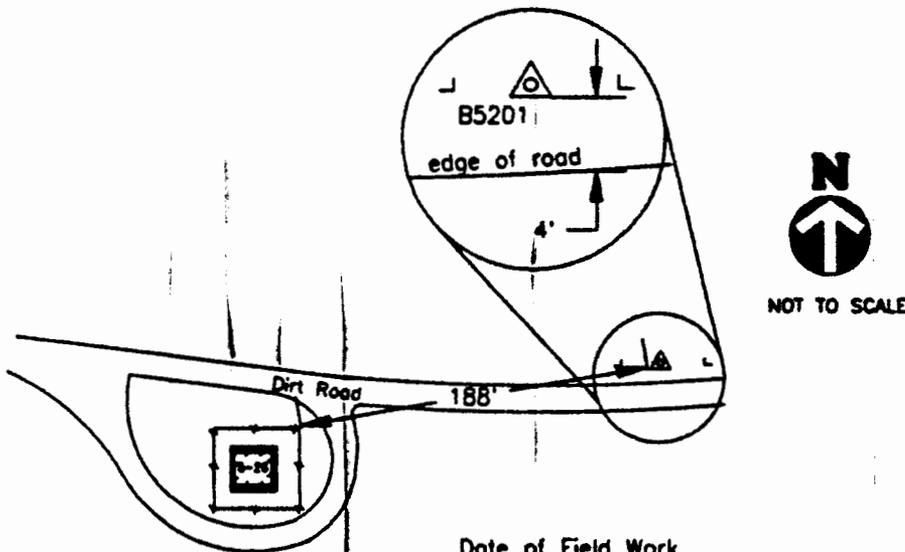
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT B5201," dated 1993, and was set by NMPS 5810. The monument is situated approximately 75 paces northeasterly of the northeast fence corner, to well house No. 5. corner, approximately 86 paces northerly of Bldg 142, all being within the TA-03 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work \_\_\_\_\_

4. CERTIFICATION

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Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505)662-2194

Date: DATE

<p><u>Accepted / For Filing</u></p> <p>Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p><u>Location Data</u></p> <p>Tech. Area <u>TA-5</u></p> <p>Nearest Building No. <u>5-26</u></p> <p>Distance &amp; Bearing to Bldg. <u>SOUTHWESTERLY</u></p> <p>Coordinates:</p> <p>Y= <u>1767831.976'</u></p> <p>X= <u>1632361.834'</u></p> <p>Z= <u>7092.0'</u></p>
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KS 110K000: x10

# LOS ALAMOS NATIONAL LABORATORY

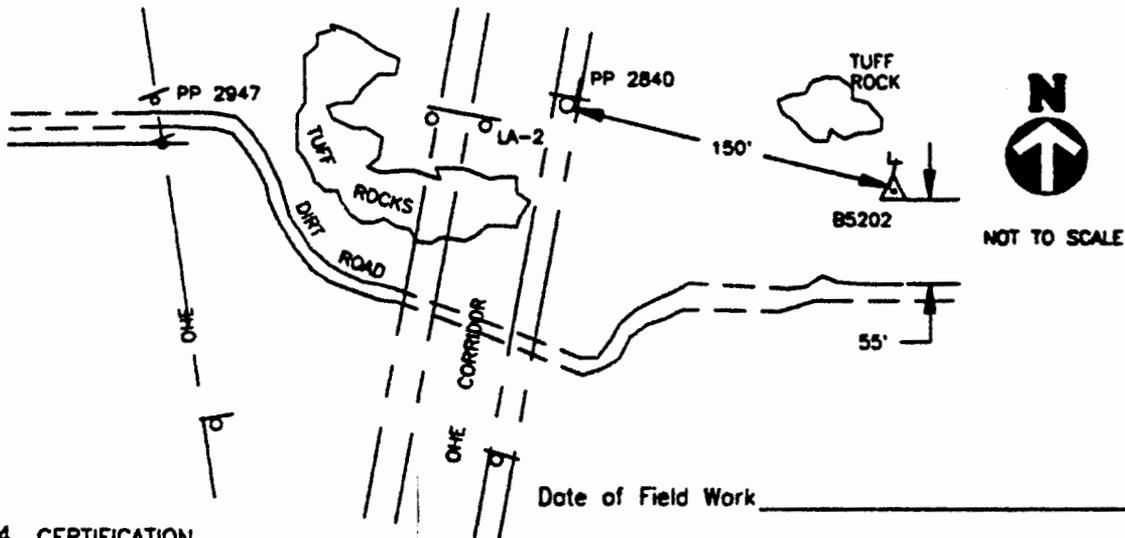
## PERMANENT MONUMENT RECORD

B5202  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other NEW MONUMENT
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT, NO B5202," dated 1993, and was set by NMPS 5810. The monument is situated on the north canyon ridge easterly of TA-35, along a dirt road. Approximately 61 paces from power pole 2840 southeasterly, by an exposed tuff rock formation, and 22 paces northerly of dirt road, witness by a steel-angle post. All being within the TA-05 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_

Firm Name: \_\_\_\_\_

Firm Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Date: DATE \_\_\_\_\_

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area _____</p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1769161.389'</u></p> <p>X= <u>1632124.715'</u></p> <p>Z= <u>7050.9'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

B6001

Monument #

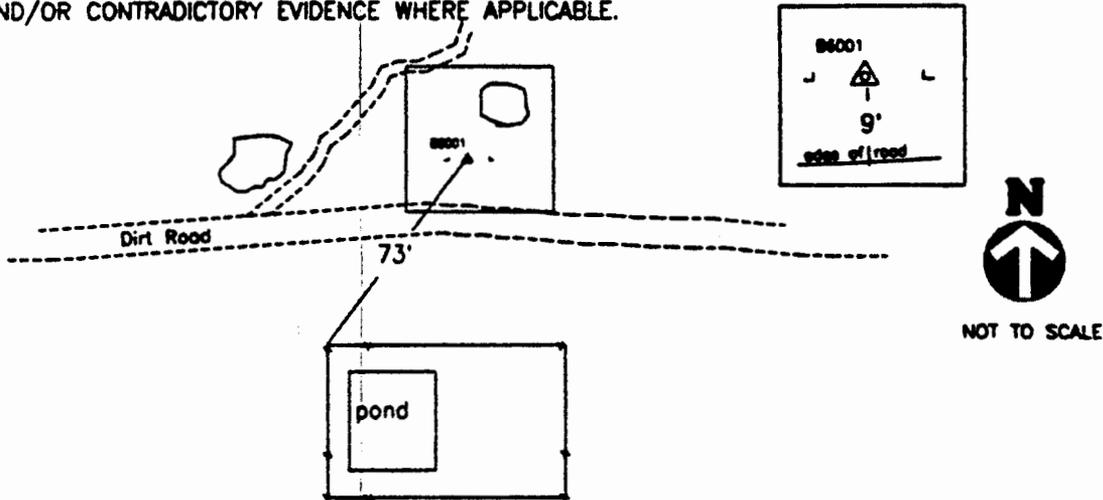
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. B6001," dated 1993, and was set by NMPS 5810. The monument is situated along the recycle site access road approximately 0.9 miles on north side from the control gates, across from a fenced in containment pond structure, all being within the TA-60 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work \_\_\_\_\_

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505)662-2194

Date: \_\_\_\_\_

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>TA-60</u></p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1770984.063'</u></p> <p>X= <u>1627734.451'</u></p> <p>Z= <u>7240.4'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

B6002

Monument #

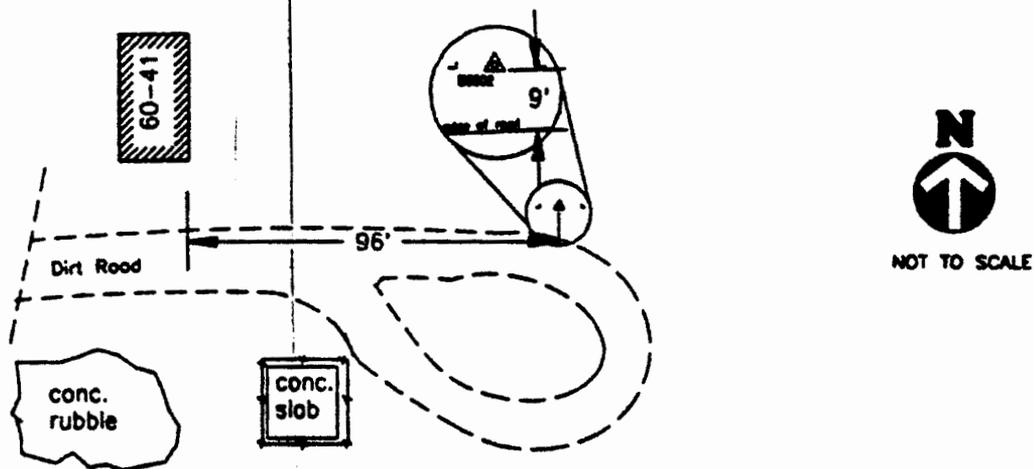
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other New Monument
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" aluminum disk embedded in concrete flush with ground. The disk is inscribed "LANL SURVEY CONTROL MONUMENT NO. B6002," dated 1993, and was set by NMPS 5810. The monument is situated approximately 96' southeasterly of the southeast corner of building 60-41, and 9' north from edge of loop at the recycle site, all being within the TA-60 complex.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



Date of Field Work \_\_\_\_\_

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505)662-2194

Date: DATE

<p><u>Accepted For Filing</u></p> <p>Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p><u>Location Data</u></p> <p>Tech. Area <u>TA-60</u></p> <p>Nearest Building No. <u>60-41</u></p> <p>Distance &amp; Bearing to Bldg. <u>NORTHWESTERLY</u></p> <p>Coordinates:</p> <p>Y= <u>1770681.104'</u></p> <p>X= <u>1628931.831'</u></p> <p>Z= <u>7208.0'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

BSR25

Monument #

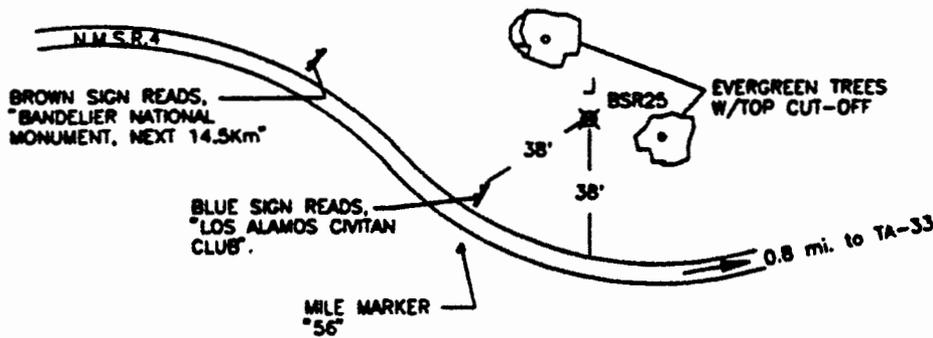
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" bronze disk embedded in concrete flush with ground. The disk is inscribed "KOOGL & POULS ENGINEERING N.M.S.R.4 NO.25", dated 1966. The monument is situated 0.8 miles NW from the entrance to TA-33, and 38' NE of blue road sign on north side of NMSR 4, across mile marker "56". Approximate 38' N. of pavement. Witnessed by an angle-iron posts, and two evergreen trees with their top cut-off.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



NOT TO SCALE

Date of Field Work \_\_\_\_\_

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_

Firm Name: MERRICK & COMPANY

Firm Address: 600 6TH Street, Suite 103

Phone: (505) 662-2194

Date: \_\_\_\_\_

<p><u>Accepted For Filing</u></p> <p>Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p><u>Location Data</u></p> <p>Tech. Area _____</p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1743274.509'</u></p> <p>X= <u>1635207.038'</u></p> <p>Z= <u>6609.5'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

BSR26  
Monument #

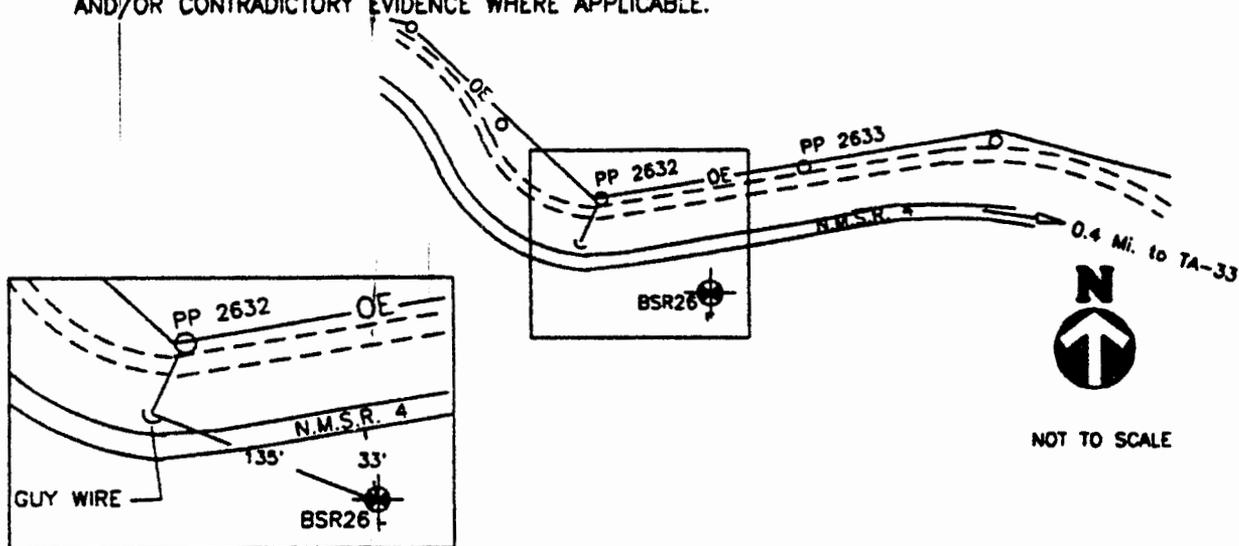
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent block lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

3.25" bronze disk embedded in concrete flush with ground. The disk is inscribed "KOOGL & POULS ENGINEERING N.M.S.R. 4 NO. 26, dated 1966". The monument is situated approximate 0.4 miles NW from the entrance of TA-33 and 33' south of the southerly edge of NMSR 4 and approximate 135' SE of the guy wire anchor point of power pole 2632. Witnessed by a angle-iron posts in a small clearance.

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work \_\_\_\_\_

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: \_\_\_\_\_

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area _____</p> <p>Nearest Building No. _____</p> <p>Distance &amp; Bearing to Bldg. _____</p> <p>Coordinates:</p> <p>Y= <u>1778082.570'</u></p> <p>X= <u>1599980.697'</u></p> <p>Z= <u>6588.5'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

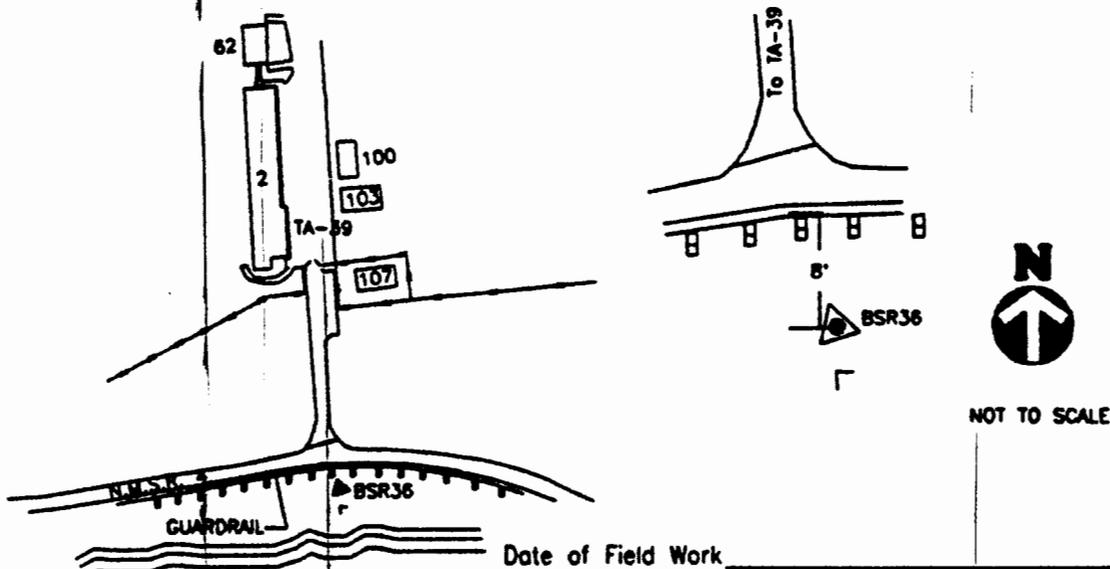
## PERMANENT MONUMENT RECORD

BSR36  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
 3.25" bronze disk embedded in concrete flush with ground. The disk is inscribed "KOOGLE & POULS ENGINEERING N.M.S.R. 4, dated 1966". The monument is situated southerly approximate 8' from guardrail along south side of N.M.S.R. 4 and southwesterly from driveway to TA-39. Witnessed by a angle -iron posts, all being within the TA-39 complex.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTIONARY EVIDENCE WHERE APPLICABLE.



Date of Field Work \_\_\_\_\_

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Surveyor: \_\_\_\_\_  
 Firm Name: MERRICK & COMPANY  
 Firm Address: 600 6TH Street, Suite 103  
 Phone: (505) 662-2194

Date: \_\_\_\_\_

<p style="text-align: center;"><u>Accepted For Filing</u></p> <p style="text-align: center;">Central Point</p> <p>By _____</p> <p>Date _____</p> <p>Reference _____</p>	<p style="text-align: center;"><u>Location Data</u></p> <p>Tech. Area <u>39</u></p> <p>Nearest Building No. <u>39-107</u></p> <p>Distance &amp; Bearing to Bldg. <u>NORTHERLY</u></p> <p>Coordinates:</p> <p>Y= <u>1741861.707'</u></p> <p>X= <u>1640007.245'</u></p> <p>Z= <u>6266.4'</u></p>
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# LOS ALAMOS NATIONAL LABORATORY

## PERMANENT MONUMENT RECORD

Pankey-Peak  
Monument #

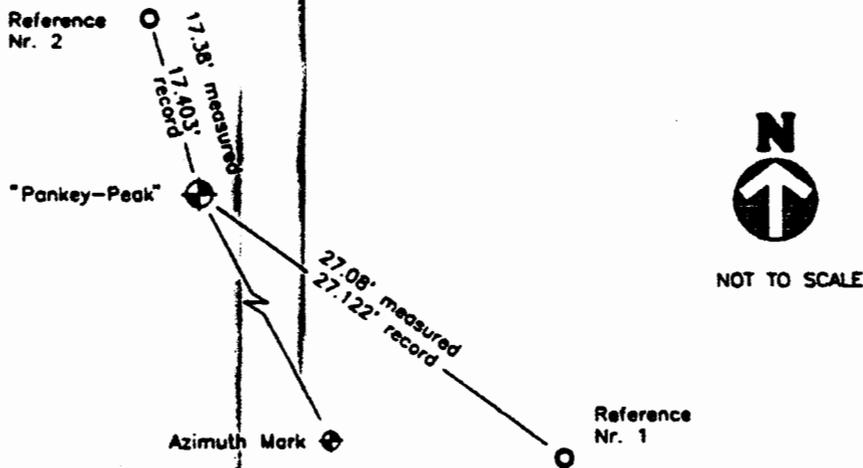
REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:  Bench Mark  Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.

The original monument has been destroyed, but two reference monument disks were found and the station "Pankey-Peak" was reestablished by ties from these monuments and by locating the original drillhole in the existing boulder. See reverse for directions to station "Pankey-Peak."

3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/8/92

#### 4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert E. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing

Central Point

By \_\_\_\_\_

Date \_\_\_\_\_

Reference \_\_\_\_\_

Location Data

Tech. Area SEE REVERSE SIDE

Nearest Building No. \_\_\_\_\_

Distance & Bearing to Bldg. \_\_\_\_\_

Coordinates:

Y= 1727821.562'

X= 1670413.585'

Z= 7219.1'



SURVEYORS  
SEAL

# LOS ALAMOS NATIONAL LABORATORY

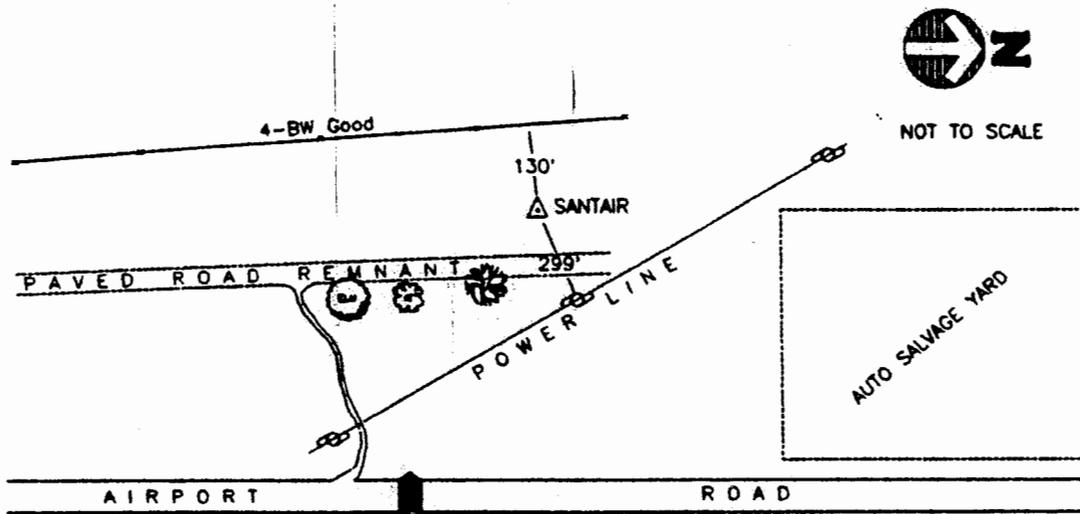
## PERMANENT MONUMENT RECORD

SANTAIR  
Monument #

REPORT ONE MONUMENT ONLY ON THIS FORM  
REPRODUCTION OF THIS FORM IS AUTHORIZED

All items to be filled in by the Land Surveyor using permanent black lettering and lines which can be reproduced.

1. TYPE OF MONUMENT:       Bench Mark       Other \_\_\_\_\_
2. NUMBER AND DESCRIPTION OF MONUMENT FOUND OR SET.  
Uninscribed stainless steel rod driven to a depth of 34", inclosed in a 5" grease filled pipe, the cap of which is hinged with the rim inscribed "SANTAIR 1987." The monument is situated c.a. 30' westerly of a paved road remnant, 500' northerly of a prominent elm tree, 299' westerly of a power pole, 130' northeasterly of a barbed wire fence, 630' westerly of Airport Road, in a northerly direction of the Santa Fe municipal airport, and within the town-site of Agua Fria, a suburb abutting the southwesterly limits of Santa Fe, New Mexico.
3. SKETCH AND NOTES INDICATING RELATIVE LOCATION OF MONUMENT ACCESSORIES AND REFERENCE POINTS STATING WHETHER FOUND OR SET. SHOW SUPPORTING AND/OR CONTRADICTORY EVIDENCE WHERE APPLICABLE.



Date of Field Work 9/8/92

4. CERTIFICATION

This is to certify that I was in responsible charge of the surveying work described in this record and that to the best of my knowledge the information presented herein is true and correct.

Signature: Robert J. Krull  
Firm Name: MERRICK & COMPANY  
Firm Address: 600 6TH Street, Suite 103  
Phone: (505) 662-2194

Date: 1/8/93

Accepted For Filing
Central Point
By _____
Date _____
Reference _____

Location Data

Tech. Area South Agua Fria Townsite

Nearest Building No. \_\_\_\_\_

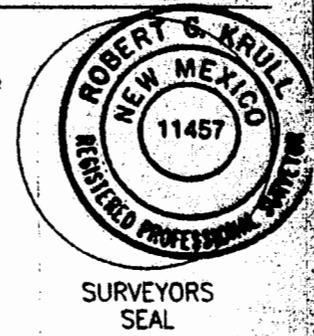
Distance & Bearing to Bldg. \_\_\_\_\_

Coordinates:

Y= 1683224.171'

X= 1691695.602'

Z= 6353.4'



**Part 2 - Previous Control Monuments**

**FOR INFORMATION ONLY**

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
305	Second Order	1,769,463.88	487,405.45		
313	Third Order	1,768,404.95	485,333.48		
317	Second Order	1,770,360.97	483,033.34		
<del>318</del>	<del>Second Order</del>	<del>1,770,553.66</del>	<del>481,503.99</del>		
<del>323</del>	<del>Third Order</del>	<del>1,763,915.82</del>	<del>471,939.65</del>	<del>7586.40</del>	
324	Third Order	1,763,022.43	472,071.82	7585.25	
325	Third Order	1,762,791.85	473,696.71	7546.03	
352	Third Order	1,759,178.74	476,577.61	7324.53	
353	Third Order	1,759,123.35	478,986.93		
354					
357	Third Order	1,769,390.80	476,611.37		
358	Second Order	1,768,549.87	479,449.63	7421.04	
363	Second Order	1,774,997.49	479,443.43		
503	Third Order	1,774,167.63	492,822.70		
504	Third Order	1,774,093.64	492,962.78	7137.63	
505	Third Order	1,774,026.64	493,286.02		
510					
526	Second Order	1,768,843.60	485,732.02	7251.39	
527	Third Order	1,768,939.23	485,116.50		
528	Third Order	1,768,825.12	485,023.42		

INFORMATION ONLY

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
529	Third Order	1,768,613.46	485,295.01		
530	Third Order	1,768,342.66	485,658.80		
531	Second Order	1,768,280.76	486,373.51		
540	Unchecked	1,736,553.65	505,683.80	6409.60	
541	Unchecked	1,736,585.37	505,711.71		
542	Unchecked	1,736,607.57	505,666.85		
543	Unchecked	1,736,577.53	505,641.37	6411.37	
551	Unchecked	1,735,959.20	499,679.56	6412.50	
552	Unchecked	1,735,959.20	499,669.96	6408.63	
553	Unchecked	1,735,789.07	499,882.50	6409.55	
554	Unchecked	1,735,939.56	499,891.91		
555	Unchecked	1,736,162.39	499,900.94		
560	Third Order	1,769,489.02	477,616.30	7467.68	
561	Third Order	1,769,526.65	477,411.49		
562	Third Order	1,769,467.65	477,414.08	7472.82	
563	Third Order	1,769,439.85	477,544.96	7470.51	
564	Third Order	1,769,399.83	477,359.01		
565	Third Order	1,769,420.52	477,294.48	7476.38	
566	Third Order	1,769,363.41	477,274.56	7476.15	
567	Third Order	1,769,349.24	477,349.77	7474.50	

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
*575	Third Order	1,757,518.26	504,276.73		(A5402) 575 Updated: See NAD 83 Listing
576	Third Order	1,756,803.88	504,278.99	6649.62	
577	Third Order	1,756,800.86	504,601.25		
578	Third Order	1,757,535.95	504,612.00		
579	Third Order	1,757,440.52	504,610.45		
580	Third Order	1,757,418.22	504,811.23		
581	Third Order	1,757,611.56	504,974.44		
582	Third Order	1,757,723.00	504,142.56		
583	Second Order	1,757,909.30	504,170.45		
625	Third Order	1,762,412.14	495,793.31		
626	Third Order	1,762,346.54	495,749.35		
627	Third Order	1,762,219.80	495,976.98	-	
628	Third Order	1,762,289.07	496,014.57		
633	Third Order	1,762,294.13	496,235.85		
634	Third Order	1,762,508.52	495,851.49		
635	Third Order	1,762,645.29	495,928.46		
650	Third Order	1,759,980.72	477,575.49		
651	Third Order	1,760,066.90	477,632.09		
720	Second Order	1,776,041.99	479,147.73		
725		1,777,154.42	483,581.62		

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
726		1,777,342.70	483,678.07		
740	Third Order	1,774,637.14	491,411.66		
741	Third Order	1,774,230.24	491,721.89		
742	Third Order	1,774,029.61	492,355.06		
743	Third Order	1,773,980.02	492,943.67		
747	Third Order	1,774,248.83	492,456.22		
748	Third Order	1,774,589.73	491,609.16		
749	Third Order	1,774,415.45	491,607.31		
750	Third Order	1,774,720.74	491,382.59		
751	Unchecked	1,774,243.01	491,812.92		
752	Unchecked	1,774,077.70	492,330.83		
753	Unchecked	1,774,313.68	492,417.87		
<del>754</del>	<del>Unchecked</del>	<del>1,774,487.53</del>	<del>491,895.60</del>		
755	Unchecked	1,774,602.62	491,706.61		
820	Second Order	1,774,267.27	485,919.85		
821					
822	Second Order	1,774,159.24	487,014.61		
828	Second Order	1,774,110.78	487,762.96		
833	Second Order	1,774,567.93	478,731.37		
834	Third Order	1,774,443.11	478,018.30		

INFORMATION ONLY

NOT A SURVEY INSTRUMENT

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
835	Third Order	1,774,302.62	477,517.38		
836	Third Order	1,773,669.18	477,648.86	7430.55	
837	Third Order	1,772,957.15	477,784.32		
838	Unchecked	1,321,034.11	356,111.55		
840	Third Order	1,771,657.42	478,628.33	7414.76	
842	Third Order	1,772,486.98	479,187.21		
843	Third Order	-1,773,214.32	479,056.00		
844	Third Order	1,773,859.72	478,941.32		
845	Third Order	1,771,096.06	478,096.24		
846	Third Order	1,774,113.52	476,810.19		
* 847	Third Order	1,773,522.93	476,960.08		(A0302) 847 Updated: See NAD 83 Listing
848	Third Order	1,772,880.31	477,081.22		
849	Unchecked	667,199.22	179,327.36		
850	Third Order	1,773,043.34	478,262.85	7407.39	
851	Third Order	1,771,982.84	478,458.23		
852	Third Order	1,772,581.02	479,648.80		
854	Third Order	1,772,609.22	479,865.61		
855	Third Order	1,772,245.05	479,954.74		
856	Third Order	1,772,308.60	480,296.50	7379.51	
857	Third Order	1,772,871.69	480,190.45		

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
858	Third Order	1,772,371.52	479,210.05		
859	Third Order	1,772,381.99	479,588.87		
860	Third Order	1,772,507.53	477,813.73		
861	Third Order	1,771,857.63	478,036.73	7421.04	
862	Third Order	1,771,581.97	479,262.52		
864	Third Order	1,771,270.26	478,239.43	7408.82	
865	Third Order	1,771,383.36	477,850.18		
866	Third Order	1,771,171.71	478,459.69		
867	Third Order	1,772,089.78	479,154.09		
868	Third Order	1,772,946.95	480,566.65		
869	Third Order	1,772,519.34	480,934.50		
926					
927					
971	Second Order	1,769,471.94	488,186.71		
972	Third Order	1,769,307.75	487,671.36		
973	Third Order	1,769,182.07	487,984.26		
984	Third Order	1,768,292.09	487,663.79	7195.76	
*985	Third Order	1,768,171.91	488,524.94	7177.90	(A5401) 985 Updated: See NAD 83 Listing
986	Third Order	1,768,238.97	488,935.65		
987	Third Order	1,768,145.91	489,918.98	7155.95	

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
988	Third Order	1,768,237.30	490,554.85		
999	Third Order	1,767,796.70	492,682.96	7090.09	
1000	Third Order	1,767,737.45	493,370.18	7075.02	
1001	Third Order	1,767,567.60	494,021.19	7063.45	
1015					
1016					
1017					
1018					
1019					
1023					
1025	Third Order	1,765,929.89	490,912.40		
1026	Third Order	1,765,928.48	491,237.37		
1027					
1028	Third Order	1,765,916.67	490,596.17		
1031					
1032	Third Order	1,764,623.20	492,702.95		
1033	Third Order	1,764,038.32	493,659.30		
1034	Third Order	1,763,487.14	494,122.53		
1035	Third Order	1,763,069.22	494,984.16		
1036	Third Order	1,762,510.28	495,618.99		

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1037					
1038					
1039					
1045	Second Order	1,761,015.67	495,789.90		
1046	Third Order	1,761,253.02	495,527.82		
1048	Unchecked	1,761,600.59	494,912.82		
1049	Unchecked	1,761,795.35	495,275.13		
1050	Third Order	1,760,799.99	495,275.13		
1051	Third Order	1,760,587.95	495,440.15		
1052	Third Order	1,760,379.39	495,823.62		
1053					
1054					
1083	Third Order	1,758,232.56	499,673.90		
1084	Third Order	1,757,459.54	500,618.45		
1085	Third Order	1,756,927.05	502,674.23	6602.53	
1086	Third Order	1,756,510.84	504,068.30	6585.78	
<del>1110</del>	<del>Second Order</del>	<del>1,760,464.62</del>	<del>492,709.31</del>		
1111	Unchecked	1,758,357.75	491,281.23	6890.81	
1112	Unchecked	1,758,473.82	490,938.48	6899.98	
1113	Third Order	1,757,683.89	491,847.75	6898.35	

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1114	Unchecked	1,757,345.81	491,756.07	6886.67	
1115	Unchecked	1,756,664.16	491,746.48		
*1116	Second Order	1,756,333.04	491,593.66	6897.53	(A3601) 1116 Updated: See NAD 83 Listing
*1117	Third Order	1,756,922.57	494,468.25	6864.52	(A3602) 1117 Updated: See NAD 83 Listing
1118	Unchecked	1,756,401.65	494,401.13	6837.3	
*1119	Unchecked	1,756,226.65	498,894.91	6822.37	(A3603) 1119 Updated: See NAD 83 Listing
1120	Unchecked	1,756,441.12	491,357.75	6649.23	
1190	Third Order	1,745,559.42	474,423.65	7529.92	
1191					
1192					
1193					
1194					
1195					
1196					
*1209	Third Order	1,769,609.99	475,407.26	7526.54	(A0602) 1209 Updated: See NAD 83 Listing
1210	Third Order	1,769,431.42	476,561.10		
1211	Third Order	1,769,122.93	478,467.65		
1228					
1229	Second Order	1,767,448.53	478,842.06	7412.42	
1230	Third Order	1,767,308.07	479,299.07	7374.40	

**SURVEY PROCEDURES MANUAL**

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1231	Third Order	1,767,210.83	479,781.75		
1232	Third Order	1,767,174.84	480,174.88	7342.18	
1233	Third Order	1,767,076.97	480,533.84		
1234	Third Order	1,767,240.91	478,798.43		
1235	Third Order	1,767,351.46	478,455.29		
1236	Unchecked	1,767,723.34	479,581.58		
1237	Unchecked	1,767,627.97	479,627.97	7339.67	
1254	Third Order	1,768,206.33	471,243.29		
1255	Third Order	1,768,161.88	470,568.94		
1256	Third Order	1,768,240.37	469,981.01	7658.40	
1257	Third Order	1,767,570.39	470,161.38	7641.15	
1258	Third Order	1,767,164.09	470,809.77		
1259	Third Order	1,768,592.75	470,104.91	7661.45	
1260	Third Order	1,769,152.59	470,631.52		
1268	Third Order	1,768,078.84	471,550.29	7576.35	
*1269	Second Order	1,767,499.95	471,393.17	7583.85	(A0802) 1269 Updated: See NAD 83 Listing
*1270	Third Order	1,766,901.70	471,343.87	7580.27	(1270) 1270 Updated: See NAD 83 Listing
1274	Third Order	1,766,833.60	471,668.83		
1275	Third Order	1,766,709.01	472,205.24	7558.12	
1276	Third Order	1,766,655.17	472,628.31	7551.02	

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1277	Third Order	1,766,575.71	473,226.82	7542.61	
1278	Second Order	1,766,506.76	473,698.32	7534.26	
1279	Second Order	1,766,465.95	474,018.56	7523.38	
1282	Third Order	1,767,036.53	472,677.59		
1283	Third Order	1,766,463.86	472,021.90	7565.55	
1285	Second Order	1,765,846.81	473,164.03		
1286	Second Order	1,765,884.07	473,164.03		
1322	Unchecked	1,761,779.57	479,539.57		
1323	Unchecked	1,763,992.59	480,073.03		
1325	Unchecked	1,763,673.59	480,068.53	7371.72	
1326	Unchecked	1,763,953.26	480,519.19	7357.74	
1333	Third Order	1,762,996.19	483,027.50		
1334	Third Order	1,762,807.97	484,039.01	7267.68	
1335	Third Order	1,762,309.55	484,843.77		
1336	Third Order	1,761,970.66	485,421.41		
1337	Third Order	1,761,173.86	486,128.37	7187.40	
1338	Second Order	1,761,499.20	486,688.22	7162.73	
1339	Third Order	1,761,974.23	486,789.18	7161.12	
1340	Third Order	1,762,248.38	486,910.64	7147.81	
1341	Third Order	1,762,532.78	486,642.70		

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1342	Third Order	1,762,594.14	486,001.99		
1343	Third Order	1,762,797.71	485,672.57	7174.55	
1344	Unchecked	1,760,889.13	485,852.06	7177.44	
1345	Unchecked	1,762,279.90	487,630.15	7122.13	
1349	Third Order	1,762,513.34	482,871.22	7267.17	
1350	Third Order	1,762,056.49	482,731.58		
1351	Third Order	1,761,239.49	482,610.62		
1352	Third Order	1,761,239.49	482,610.62		
1353	Third Order	1,760,035.55	483,488.38		
1354	Third Order	1,759,456.98	483,938.25		
1355	Third Order	1,759,359.74	484,991.43		
1356	Third Order	1,759,001.92	485,721.79		
1358	Unchecked	1,762,113.07	482,545.34		
1359	Unchecked	1,762,400.52	482,418.90		
1360					
1361					
1362					
1363	Third Order	1,761,487.70	482,524.21		
1364	Third Order	1,761,200.24	482,510.75	7263.90	
1365	Third Order	1,759,997.94	483,507.93	7225.19	

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1366	Third Order	1,759,575.52	484,381.44	7200.69	
1367	Third Order	1,758,764.87	486,166.09	7159.64	
1368	Third Order	1,758,394.68	486,169.37	7148.12	
1369	Second Order	1,758,065.14	486,910.01		
1370	Third Order	1,763,012.16	482,958.61		
1391	Third Order	1,764,167.01	471,681.01		
1392	Third Order	1,764,567.88	471,681.01		
1393					
*1394	Third Order	1,769,267.10	469,912.71	7644.33	(A1602) 1394 Updated: See NAD 83 Listing
1395	Third Order	1,762,616.87	469,559.78	7629.96	
1396	Third Order	1,762,206.98	469,177.71	7627.99	
1397	Third Order	1,761,819.71	469,546.83		
1398	Third Order	1,761,295.16	469,647.26	7609.02	
1399	Third Order	1,761,293.15	470,091.80	7596.11	
1400	Second Order	1,761,035.63	471,358.01		
1401	Second Order	1,761,137.22	472,173.02	7567.26	
1402	Second Order	1,761,124.43	473,225.56	7544.32	
1403	Second Order	1,761,394.08	473,754.64	7527.67	
1404	Second Order	1,762,543.56	473,247.85	7562.08	
1405	Second Order	1,762,896.09	473,316.13	7554.13	

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1406	Third Order	1,762,964.10	472,623.12		
1407					
1408	Third Order	1,761,576.67	473,120.02		
1409	Third Order	1,762,414.31	472,633.77	7569.20	
1410	Unchecked	1,764,091.96	472,483.51	7565.27	
1411	Unchecked	1,763,530.43	472,840.01		
1412	Unchecked	1,763,939.26	472,944.44		
1413	Unchecked	1,764,033.83	472,780.84	7551.75	
1414	Unchecked	1,764,705.81	472,310.45	7555.98	
1415	Third Order	1,762,785.97	473,867.41	7541.27	
1416	Third Order	1,762,341.17	474,666.21	7515.60	
1417	Third Order	1,762,790.06	474,911.34	7504.73	
1418	Third Order	1,763,280.76	474,254.20	7513.13	
1419	Second Order	1,763,488.04	474,032.78	7523.13	
1420	Second Order	1,763,767.23	474,821.24	7517.50	
1421	Second Order	1,763,978.83	475,747.02	7453.17	
1422	Unchecked	1,764,114.85	476,161.74	7450.49	
1423	Unchecked	1,760,510.11	473,732.98	7526.88	
1424	Unchecked	1,759,955.87	474,098.33	7458.31	
1425	Unchecked	1,759,936.24	474,437.50		

**INFORMATION ONLY**

1406 - 1407 - 1408 - 1409 - 1410 - 1411 - 1412 - 1413 - 1414 - 1415 - 1416 - 1417 - 1418 - 1419 - 1420 - 1421 - 1422 - 1423 - 1424 - 1425

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1426	Unchecked	1,759,680.94	475,206.91	7396.01	
1427	Unchecked	1,759,622.80	475,478.41	7381.05	
1428	Unchecked	1,764,989.93	471,284.08		
1429	Unchecked	1,765,350.09	471,054.81		
1430	Unchecked	1,765,008.99	471,475.80		
1431	Unchecked	1,765,012.05	471,765.01	7565.33	
1432	Third Order	1,761,947.44	470,732.78		
1433	Third Order	1,762,441.49	470,935.13	7602.02	
1434	Third Order	1,762,929.29	471,605.39		
1435	Unchecked	1,763,164.28	471,498.89	7600.93	
1436	Unchecked	1,763,796.02	470,991.33	7598.24	
1437	Unchecked	1,762,365.47	472,009.10	7582.21	
1438	Third Order	1,762,512.75	469,002.52		
1439	Third Order	1,762,967.59	468,598.99		
1440	Third Order	1,763,624.63	468,959.03	7681.95	
1441	Third Order	1,764,465.64	469,769.70	7650.88	
1442	Third Order	1,765,020.41	470,222.24	7634.60	
1443	Third Order	1,765,091.16	470,557.99	7619.64	
1444	Unchecked	1,760,765.36	469,328.29		
1446	Unchecked	1,760,490.39	472,430.16		

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1494	Third Order	1,760,432.62	477,635.51		
1495	Third Order	1,760,231.34	477,553.75		
1496	Third Order	1,760,076.92	477,383.48	7359.34	
1497	Second Order	1,760,297.38	477,977.75		
1501	Third Order	1,759,405.43	477,146.01	7324.94	
1502	Third Order	1,739,363.57	494.78	7324.12	
1508					
1509					
1510					
1511					
1512					
1513					
1514					
1515					
1705	Third Order	1,740,606.03	498,152.41		
*1706	Second Order	1,740,265.19	499,347.55	6521.37	(A3301) 1706 Updated: See NAD 83 Listing
1707	Third Order	1,739,156.88	500,931.90	6467.72	
1708	Third Order	1,738,711.15	500,993.26	6462.64	
*1709	Third Order	1,738,378.72	501,612.37	6466.96	(A3302) 1709 Updated: See NAD 83 Listing
1710	Third Order	1,737,805.36	501,710.21	6454.85	

**INFORMATION ONLY**

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1711	Third Order	1,736,929.09	502,316.50	6428.85	
1712	Third Order	1,736,397.04	503,840.49	6414.77	
*1713	Third Order	1,736,769.55	504,737.62	6432.08	(A3303) 1713 Updated: See NAD 83 Listing
1714	Unchecked	1,736,449.84	505,608.94		
1715	Third Order	1,740,001.27	498,140.71	6494.97	
1716	Third Order	1,738,823.90	498,907.42	6492.98	
1717	Third Order	1,739,200.88	499,329.23	6497.44	
1718	Second Order	1,737,038.35	499,309.78	6486.24	
1719	Unchecked	1,736,323.87	499,196.08	6432.67	
1750	Second Order	1,742,094.86	499,763.76		
1752	Second Order	1,743,974.49	499,207.92	6308.39	
1753	Third Order	1,744,418.27	498,777.67	6320.75	
1754	Third Order	1,745,810.59	497,010.37	6369.52	
1755	Third Order	1,747,126.02	496,724.53		
1756	Third Order	1,748,119.16	496,586.45	6408.49	
1757	Third Order	1,749,062.09	495,575.92		
1758	Third Order	1,749,622.04	495,029.29	6451.25	
1759	Third Order	1,749,669.32	494,379.23	6466.11	
1760	Unchecked	1,746,211.19	496,608.97		
1761	Unchecked	1,746,327.59	495,892.62	6412.77	

SURVEY PROCEDURES MANUAL

SECTION 400, PART 2

Previous Control Monuments

**SUPERCEDED:  
FOR REFERENCE ONLY**

MONUMENT	ACCURACY	NORTH	EAST	ELEVATION	COMMENTS
1908	Third Order	1,755,203.02	483,567.51		
1909	Third Order	1,754,620.64	483,851.52		
1910	Third Order	1,754,347.88	484,170.50		
1911	Third Order	1,754,139.81	485,313.76		
1912	Third Order	1,754,181.33	485,583.53		
1913	Third Order	1,755,007.57	485,178.97		
1914	Third Order	1,755,302.02	485,635.14		
1915	Third Order	1,755,536.97	485,302.40		
1916	Third Order	1,755,402.48	484,596.84		
*1917	Third Order	1,755,312.91	484,175.71		(A4901) 1917 Updated: See NAD 83 Listing
*1918	Unchecked	1,754,837.92	484,711.41		(A4902) 1918 Updated: See NAD 83 Listing
*1919	Unchecked	1,755,602.18	485,928.37		(A4903) 1919 Updated: See NAD 83 Listing
1920	Unchecked	1,755,722.96	486,522.24		
1933	Unchecked	1,763,474.25	495,086.99		
1934	Unchecked	1,763,623.74	494,865.60		
1938	Third Order	1,768,855.60	486,065.42		
1939	Third Order	1,769,329.14	486,081.31	7252.04	
1940	Second Order	1,769,259.59	485,739.47		

**INFORMATION ONLY**