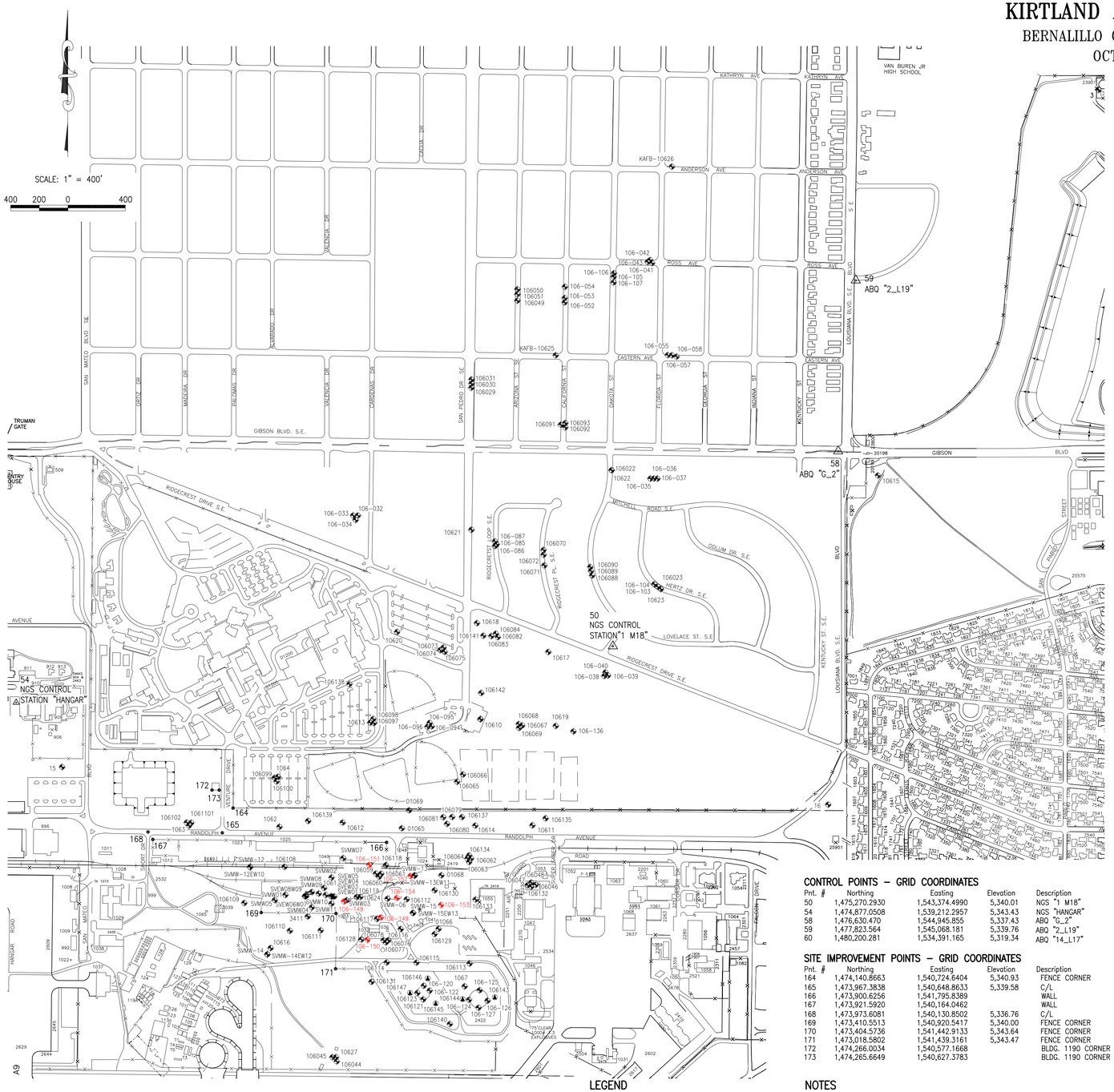
SURVEY OF

MONITORING WELLS & OTHER POINTS
BULK FUELS FACILITY
KIRTLAND AIR FORCE BASE

BERNALILLO COUNTY, NEW MEXICO

OCTOBER 2011



GRID COORDINATES

POINTS SURVEYED 10/27/2011

Pnt.#	Northing	Easting	Elevation	Description
1658	1,473,745.548	1,541,673.847	5,345.344	106-151-GROUND
1659	1,473,744.231	1,541,674.359	5,345.535	106-151-CONCRETE
1660	1,473,744.074	1,541,674.435	5,345.549	106-151-CASING
1661	1,473,743.390	1,541,674.669	5,345.110	106-151-200
1662	1,473,743.702	1,541,674.241	5,345.079	106-151-350
1663	1,473,743.193	1,541,674.202	5,345.010	106-151-484
1664	1,473,668.585	1,541,962.339	5,347.399	106-152-GROUND
1665	1,473,667.187	1,541,962.331	5,347.731	106-152-CONCRETE
1666	1,473,667.129	1,541,962.300	5,347.744	106-152-CASING
1667	1,473,666.232	1,541,962.458	5,347.448	106-152-PVC 1
1668	1,473,666.749	1,541,962.337	5,347.428	106-152-PVC 2
1669	1,473,666.419	1,541,961.965	5,347.384	106-152-PVC 3
1670	1,473,378.950	1,541,755.472	5,346.071	106-149-ASPHALT
1671	1,473,377.534	1,541,755.368	5,346.037	106-149-CONCRETE
1672	1,473,377.443	1,541,755.371	5,346.033	106-149-CASING
1673	1,473,376.762	1,541,755.697	5,345.374	106-149-149
1674	1,473,377.196	1,541,755.352	5,345.395	106-149-349
1675	1,473,376.670	1,541,755.125	5,345.421	106-149-484
1676	1,473,222.530	1,541,661.262	5,344.170	106-150-CONCRETE
1677	1,473,221.479	1,541,661.318	5,344.133	106-150-CONCRETE
1678	1,473,221.446	1,541,661.278	5,344.104	106-150-CASING
1679	1,473,220.808	1,541,660.959	5,343.629	106-150-200
1680	1,473,220.497	1,541,661.431	5,343.544	106-150-350
1681	1,473,221.050	1,541,661.458	5,343.489	106-150-484
1682	1,473,490.107	1,541,498.425	5,344.120	106-148-GROUND
1683	1,473,488.666	1,541,498.673	5,344.269	106-148-CONCRETE
1684	1,473,488.628	1,541,498.709	5,344.298	106-148-CASING
1685	1,473,487.788	1,541,499.087	5,343.320	106-148-149
1686	1,473,488.311	1,541,498.723	5,343.288	106-148-349
1687	1,473,487.737	1,541,498.466	5,343.342	106-148-484
1688	1,473,515.135	1,541,867.515	5,347.185	106-154-GROUND
1689	1,473,513.452	1,541,867.674	5,347.404	106-154-CONCRETE
1690	1,473,513.325	1,541,867.672	5,347.395	106-154-CASING
1691	1,473,512.477	1,541,867.620	5,346.705	106-154-197
1692	1,473,512.700	1,541,868.155	5,346.670	106-154-350
1693	1,473,512.985	1,541,867.660	5,346.701	106-154-484
1694	1,473,466.715	1,542,176.466	5,348.718	106-153-GROUND
1695	1,473,465.082	1,542,175.820	5,349.076	106-153-CONCRETE
1696	1,473,465.020	1,542,175.783	5,349.092	106-153-CASING
1697	1,473,464.338	1,542,175.973	5,348.405	106-153-200
1698	1,473,464.686	1,542,175.522	5,348.392	106-153-350
1699	1,473,464.167	1,542,175.469	5,348.376	106-153-484

CONTROL POINTS - GRID COORDINATES

Pnt. #	Northing	Easting	Elevation	Description
50	1,475,270.2930	1,543,374.4990	5,340.01	NGS "1 M18"
54	1,474,877.0508	1,539,212.2957	5,343.43	NGS "HANGAR"
58	1,476,630.470	1,544,945.855	5,337.43	ABQ "G_2"
59	1,477,823.564	1,545,068.181	5,339.76	ABQ "2_L19"
60	1,480,200.281	1,534,391.165	5,319.34	ABQ "14_L17"

SITE IMPROVEMENT POINTS - GRID COORDINATES

Pnt. #	Northing	Easting	Elevation	Description
164	1,474,140.8663	1,540,724.6404	5,340.93	FENCE CORNER
165	1,473,967.3838	1,540,648.8633	5,339.58	C/L
166	1,473,900.6256	1,541,795.8389		WALL
167	1,473,921.5920	1,540,164.0462		WALL
168	1,473,973.6081	1,540,130.8502	5,336.76	C/L
169	1,473,410.5513	1,540,920.5417	5,340.00	FENCE CORNER
170	1,473,404.5736	1,541,442.9133	5,343.64	FENCE CORNER
171	1,473,018.5802	1,541,439.3161	5,343.47	FENCE CORNER
172	1,474,266.0034	1,540,577.1668		BLDG. 1190 CORNER
173	1,474,265.6649	1,540,627.3783		BLDG. 1190 CORNER

LEGEND

- CONTROL POINT
- PREVIOUSLY SURVEYED MONITORING WELLS
- PREVIOUSLY SURVEYED SSB GROUND LOCATIONS
- SITE IMPROVEMENT POINTS
- NEWLY SURVEYED MONITORING WELLS (OCTOBER 27, 2011)

NOTES

1. GRID COORDINATES ARE NAD 83 DATUM VALUES BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE. BASIS OF COORDINATES ARE PUBLISHED VALUES OF NATIONAL GEODETIC SURVEY (NGS) CONTROL STATION "HANGAR" AND BEARING N84°36'13"E BETWEEN NGS CONTROL STATION "HANGAR" AND NGS CONTROL STATION "1 M18". PROJECT CONVERSION FACTORS ARE GRID-TO-GROUND=1.000343197744 AND GROUND-TO-GRID=0.99965692.
2. ELEVATIONS ARE NAVD 88 DATUM VALUES BASED ON NGS CONTROL STATION "HANGAR", ELEVATION = 5,343.43 FEET. GPS/RTK METHODS AND GEOID99 MODEL WERE USED TO DETERMINE ELEVATIONS OF ALL SURVEYED POINTS.
3. DRAWING COORDINATES ARE GRID.
4. POINTS SHOWN IN RED COLOR WERE ADDED TO THE DRAWING ON OCTOBER 27, 2011.

PROFESSIONAL SURVEYOR
STATE OF NEW MEXICO
NO. 4078
FRED SANCHEZ

FRED SANCHEZ, NMPS NO. 4078

OCTOBER 27, 2011
DATE

Plat & Survey By:
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