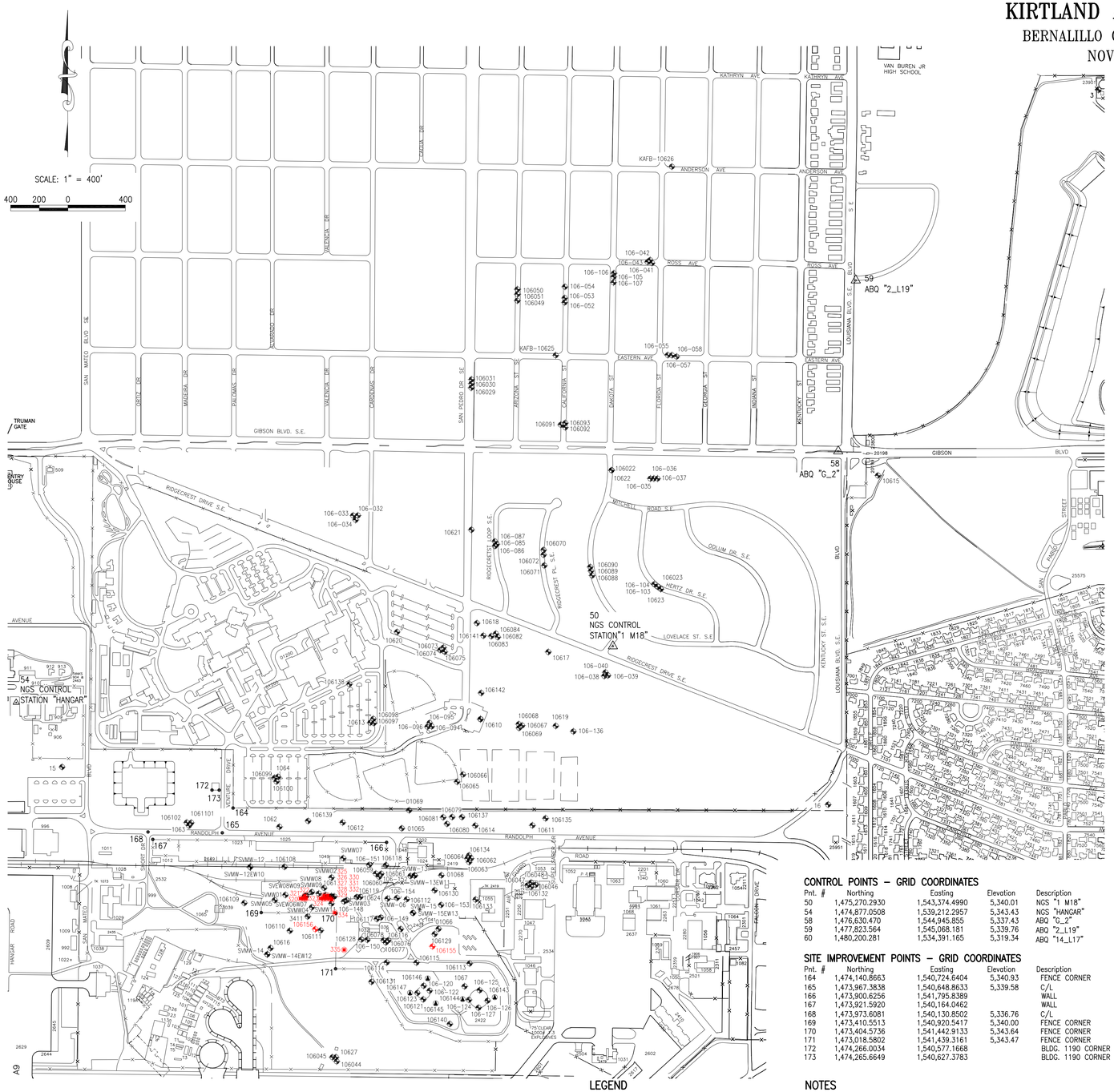
SURVEY OF

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

BERNALILLO COUNTY, NEW MEXICO

NOVEMBER 2011



GRID COORDINATES

POINTS SURVEYED 11/10/2011

Pnt.#	Northing	Easting	Elevation	Description
1700	1,473,151.057	1,541,500.044	5,342.861	335
1701	1,473,410.298	1,541,434.399	5,343.109	334
1702	1,473,500.195	1,541,413.458	5,343.494	333
1703	1,473,510.059	1,541,405.061	5,343.508	332
1704	1,473,510.071	1,541,395.058	5,343.148	331
1705	1,473,530.019	1,541,385.033	5,343.230	330
1706	1,473,509.924	1,541,375.030	5,343.645	329
1707	1,473,529.964	1,541,360.084	5,343.640	328
1708	1,473,509.955	1,541,360.118	5,343.576	327
1709	1,473,509.997	1,541,355.046	5,343.559	326
1710	1,473,509.899	1,541,335.116	5,343.276	325
1711	1,473,509.671	1,541,235.033	5,343.463	324
1712	1,473,509.754	1,541,225.092	5,343.291	323
1713	1,473,528.751	1,541,225.002	5,343.510	322
1714	1,473,509.691	1,541,215.036	5,343.348	321
1715	1,473,509.619	1,541,194.969	5,343.676	320
1716	1,473,177.270	1,542,116.079	5,346.940	106155GROUND
1717	1,473,175.684	1,542,116.089	5,347.215	106155CONCRETE
1718	1,473,175.643	1,542,116.102	5,347.234	106155CASING
1719	1,473,175.276	1,542,115.916	5,346.765	106155–200
1720	1,473,174.736	1,542,115.968	5,346.730	106155–350
1721	1,473,174.996	1,542,116.359	5,346.702	106155–484
1722	1,473,297.178	1,541,298.569	5,340.884	106156–GROUND
1723	1,473,295.600	1,541,298.622	5,341.259	106156–CONCRETE
1724	1,473,295.523	1,541,298.631	5,341.244	106156–CASING
1725	1,473,295.096	1,541,298.799	5,340.648	106156–178
1726	1,473,295.023	1,541,298.299	5,340.595	106156–341
1727	1,473,294.622	1,541,298.685	5,340.616	106156–484

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 DP GROUND LOCATIONS (NOVEMBER 10, 2011)
- NEWLY SURVEYED MONITORING WELLS (NOVEMBER 10, 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 NOVEMBER 10, 2011.

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO NO. 4078 FRED SANCHEZ

FRED SANCHEZ, NMPS NO. 4078

NOVEMBER 10, 2011
DATE

SHEET 1 OF 2

26033MW–2–11–11–2011

Plat & Survey By:
ALBUQUERQUE SURVEYING CO. INC., 2119 Menaul Blvd. N.E., Albuquerque, New Mexico 87107 Ph. (505) 884–2036