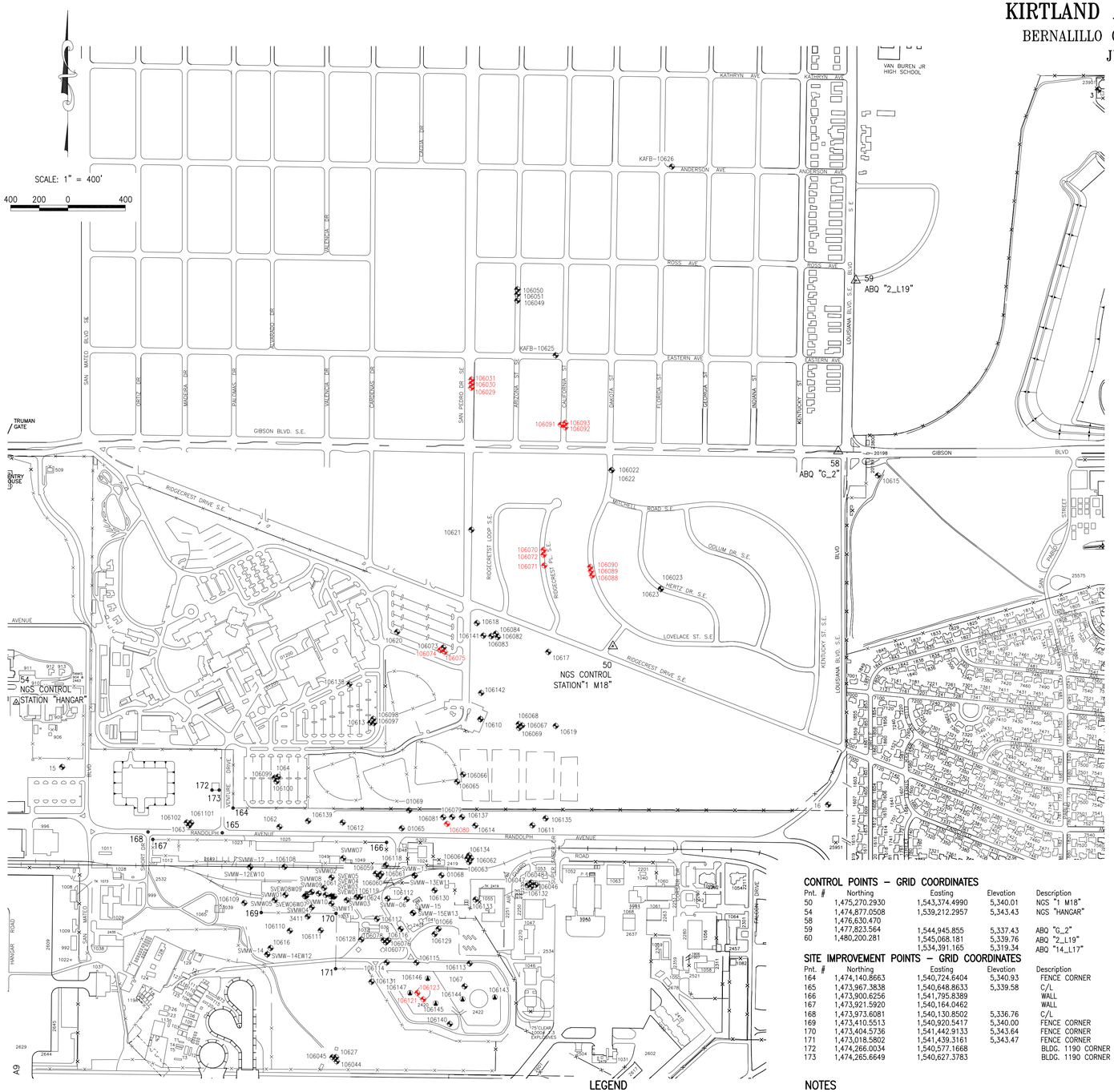
SURVEY OF

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

BERNALILLO COUNTY, NEW MEXICO

JUNE 2011



GRID COORDINATES

POINTS SURVEYED 6/14/2011

Pnt.#	Northing	Easting	Elevation	Description
1243	1,472,807.3908	1,542,051.3504	5,343.67	106121-GROUND
1244	1,472,806.1828	1,542,051.3785	5,343.89	106121-CONCRETE
1245	1,472,806.0586	1,542,051.4467	5,343.84	106121-CASING
1246	1,472,805.6693	1,542,051.4781	5,343.50	106121-PVC
1247	1,472,805.8456	1,542,051.5269	5,343.48	106121-PVC-25
1248	1,472,805.6689	1,542,051.7785	5,343.48	106121-PVC-50
1249	1,472,805.6235	1,542,051.2522	5,343.50	106121-PVC-145
1250	1,472,805.3633	1,542,051.3727	5,343.47	106121-PVC-250
1251	1,472,805.3819	1,542,051.7494	5,343.45	106121-PVC-350
1252	1,472,852.6963	1,542,010.2231	5,343.98	106123-GROUND
1253	1,472,851.0521	1,542,010.4494	5,344.21	106123-CONCRETE
1254	1,472,850.9511	1,542,010.4973	5,344.24	106123-CASING
1255	1,472,850.5554	1,542,010.5117	5,343.72	106123-PVC
1256	1,472,850.4128	1,542,010.8249	5,343.70	106123-PVC-25
1257	1,472,850.6773	1,542,010.6974	5,343.75	106123-PVC-50
1258	1,472,850.6610	1,542,010.3432	5,343.75	106123-PVC-150
1259	1,472,850.3451	1,542,010.2820	5,343.77	106123-PVC-250
1260	1,472,850.1677	1,542,010.5598	5,343.74	106123-PVC-350
1261	1,474,031.4207	1,542,217.3475	5,345.50	106080-GROUND
1262	1,474,030.4656	1,542,217.3960	5,345.58	106080-CONCRETE
1263	1,474,030.3155	1,542,217.4031	5,348.45	106080-CASING
1264	1,474,030.2134	1,542,217.4277	5,347.95	106080-PVC
1265	1,475,244.8412	1,542,170.2949	5,340.58	106074-TOP OF ASPHALT
1266	1,475,243.6024	1,542,169.7392	5,340.61	106074-CONCRETE
1267	1,475,243.5393	1,542,169.6631	5,340.64	106074-CASING
1268	1,475,242.9492	1,542,169.4538	5,339.87	106074-PVC
1269	1,475,232.7645	1,542,201.8363	5,340.48	106075-TOP OF ASPHALT
1270	1,475,231.4559	1,542,201.4203	5,340.54	106075-CONCRETE
1271	1,475,231.3890	1,542,201.3799	5,340.54	106075-CASING
1272	1,475,230.9141	1,542,201.1040	5,340.16	106075-PVC
1273	1,475,835.0338	1,542,895.4758	5,320.75	106071-TOP OF ASPHALT
1274	1,475,834.2382	1,542,895.6280	5,320.84	106071-CONCRETE
1275	1,475,834.1672	1,542,895.6076	5,320.85	106071-CASING
1276	1,475,833.7191	1,542,895.6439	5,320.18	106071-PVC
1277	1,475,909.5744	1,542,890.8762	5,319.32	106072-TOP OF ASPHALT
1278	1,475,908.9201	1,542,890.7881	5,319.31	106072-CONCRETE
1279	1,475,908.8890	1,542,890.7847	5,319.31	106072-CASING
1280	1,475,908.1523	1,542,890.6824	5,318.59	106072-PVC
1281	1,475,943.0935	1,542,890.6709	5,318.43	106070-TOP OF ASPHALT
1282	1,475,942.5958	1,542,890.6925	5,318.48	106070-CONCRETE
1283	1,475,942.5499	1,542,890.6239	5,318.49	106070-CASING
1284	1,475,941.9973	1,542,890.5984	5,317.77	106070-PVC
1285	1,475,824.2842	1,543,216.1110	5,322.87	106090-TOP OF ASPHALT
1286	1,475,823.5955	1,543,216.3091	5,322.94	106090-CONCRETE
1287	1,475,823.5390	1,543,216.2870	5,322.94	106090-CASING
1288	1,475,823.1087	1,543,216.3582	5,321.87	106090-PVC
1289	1,475,796.3922	1,543,221.4478	5,323.55	106089-TOP OF ASPHALT
1290	1,475,795.6777	1,543,221.3845	5,323.60	106089-CONCRETE
1291	1,475,795.6309	1,543,221.5057	5,323.61	106089-CASING
1292	1,475,795.0222	1,543,221.4579	5,322.69	106089-PVC
1293	1,475,764.8222	1,543,228.9284	5,324.26	106088-TOP OF ASPHALT
1294	1,475,764.2449	1,543,229.0866	5,324.27	106088-CONCRETE
1295	1,475,764.1012	1,543,228.9467	5,324.27	106088-CASING
1296	1,475,763.5505	1,543,229.0826	5,323.33	106088-PVC
1297	1,476,799.0772	1,543,042.0768	5,314.43	106092-TOP OF ASPHALT
1298	1,476,798.1303	1,543,042.0429	5,314.51	106092-CONCRETE
1299	1,476,798.0467	1,543,042.0491	5,314.51	106092-CASING
1300	1,476,797.4929	1,543,041.9905	5,313.95	106092-PVC
1301	1,476,829.0181	1,543,042.4526	5,314.38	106093-TOP OF ASPHALT
1302	1,476,828.2749	1,543,042.3704	5,314.48	106093-CONCRETE
1303	1,476,828.1773	1,543,042.3756	5,314.49	106093-CAAE
1304	1,476,827.7159	1,543,042.2076	5,313.86	106093-PVC
1305	1,476,816.9131	1,543,010.9873	5,314.25	106091-TOP OF ASPHALT
1306	1,476,816.2423	1,543,010.8165	5,314.30	106091-CONCRETE
1307	1,476,816.2269	1,543,010.7994	5,314.35	106091-CASING
1308	1,476,815.6105	1,543,010.8274	5,313.58	106091-PVC
1309	1,477,075.3996	1,542,386.0995	5,310.89	106029-TOP OF ASPHALT
1310	1,477,074.4782	1,542,386.2333	5,310.94	106029-CONCRETE
1311	1,477,074.4056	1,542,386.2018	5,310.96	106029-CASING
1312	1,477,073.8654	1,542,386.1725	5,310.47	106029-PVC
1313	1,477,103.7611	1,542,387.6658	5,310.96	106030-TOP OF ASPHALT
1314	1,477,103.6522	1,542,387.6440	5,311.02	106030-CASING
1315	1,477,103.2449	1,542,387.5802	5,310.30	106030-PVC
1316	1,477,133.1893	1,542,388.0691	5,311.01	106031-TOP OF ASPHALT
1317	1,477,132.4015	1,542,388.1713	5,311.02	106031-CONCRETE
1318	1,477,132.3553	1,542,388.1143	5,311.06	106031-CASING
1319	1,477,131.8067	1,542,388.1075	5,310.20	106031-PVC

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			
59	1,477,823.564	1,544,945.855	5,337.43	ABQ "G_2"
60	1,480,200.281	1,545,068.181	5,339.76	ABQ "2_L19"
		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 (JUNE 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 IN JUNE 2011.

PROFESSIONAL SURVEYOR
STATE OF NEW MEXICO
NO. 10464
VLADIMIR JIRIK

VLADIMIR JIRIK, NMPS NO. 10464

JUNE 15, 2011
DATE

SHEET 1 OF 2

26033MW-2-6-15-2011

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