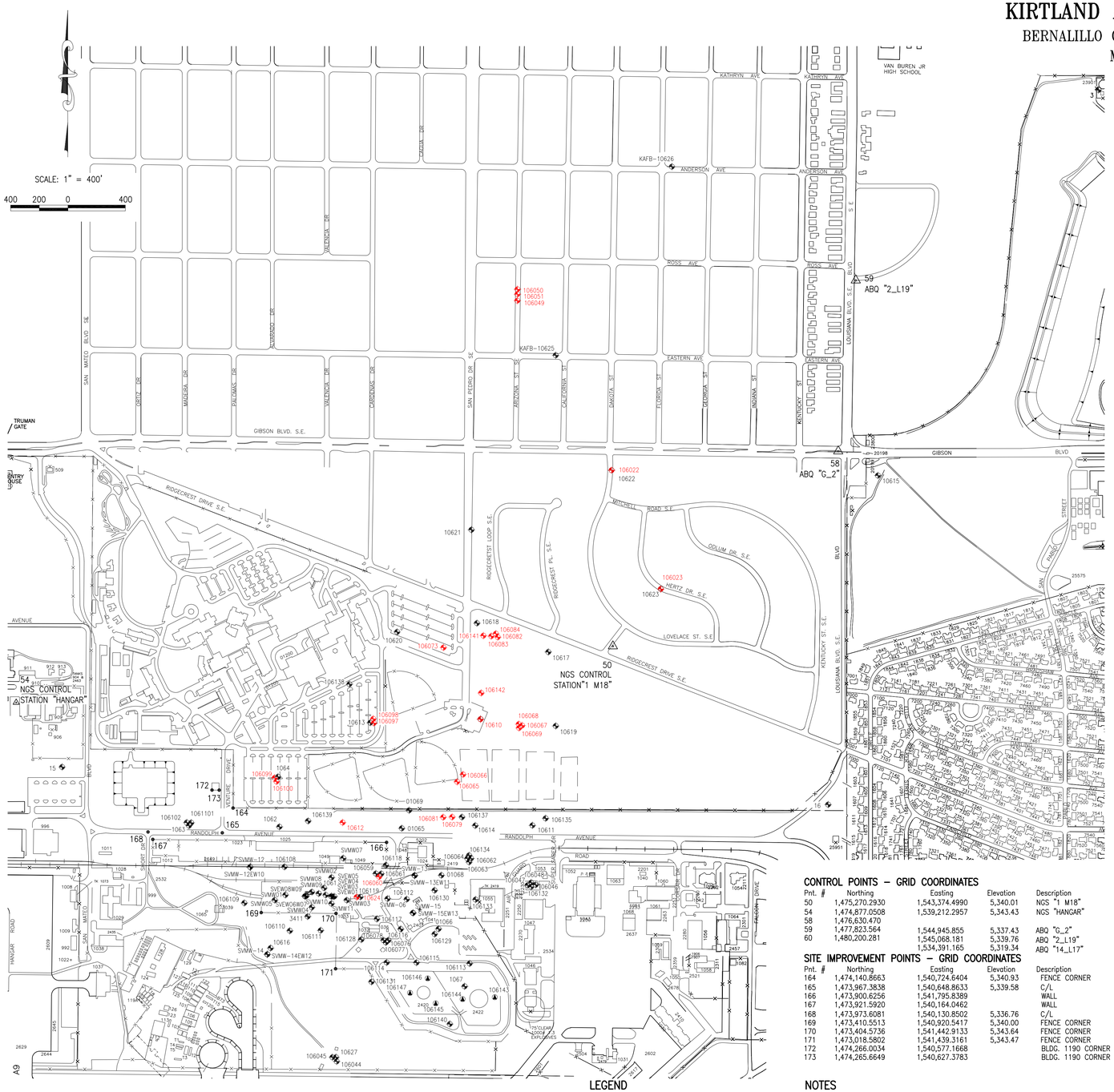
SURVEY OF

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

BERNALILLO COUNTY, NEW MEXICO

MAY 2011



GRID COORDINATES

POINTS SURVEYED 5/16/2011 & 5/17/2011

Pnt.#	Northing	Easting	Elevation	Description
1129	1,477,683.2616	1,542,707.5194	5,316.11	106049–TOP OF ASPHALT
1130	1,477,682.5669	1,542,707.5268	5,316.10	106049–CONCRETE
1131	1,477,682.5341	1,542,707.5499	5,316.15	106049–RIM
1132	1,477,681.8926	1,542,707.6043	5,315.68	106049–PVC
1133	1,477,727.8665	1,542,708.2672	5,315.82	106051–TOP OF ASPHALT
1134	1,477,727.1127	1,542,708.2792	5,315.88	106051–CONCRETE
1135	1,477,727.0665	1,542,708.2417	5,315.88	106051–RIM
1136	1,477,726.5004	1,542,708.2222	5,315.17	106051–PVC
1137	1,477,762.3933	1,542,708.4384	5,315.69	106050–TOP OF ASPHALT
1138	1,477,761.6901	1,542,708.5310	5,315.53	106050–CONCRETE
1139	1,477,761.6653	1,542,708.5028	5,315.58	106050–RIM
1140	1,477,761.0694	1,542,708.4659	5,314.92	106050–PVC
1141	1,476,500.4996	1,543,365.3692	5,318.02	106022–TOP OF ASPHALT
1142	1,476,499.2313	1,543,365.2214	5,318.01	106022–CONCRETE
1143	1,476,499.1536	1,543,365.2429	5,318.01	106022–RIM
1144	1,476,498.6313	1,543,365.1583	5,317.23	106022–PVC
1145	1,475,671.4168	1,543,709.2251	5,328.90	106023–TOP OF ASPHALT
1146	1,475,670.3061	1,543,708.5530	5,328.84	106023–CONCRETE
1147	1,475,670.2376	1,543,708.5055	5,328.81	106023–RIM
1148	1,475,669.7356	1,543,708.1436	5,328.10	106023–PVC
1149	1,475,335.0558	1,542,571.5393	5,334.79	106082–GROUND
1150	1,475,334.0877	1,542,571.4157	5,334.94	106082–CONCRETE
1151	1,475,334.0423	1,542,571.3968	5,334.93	106082–RIM
1152	1,475,333.5642	1,542,571.2387	5,334.21	106082–PVC
1153	1,475,342.2139	1,542,526.3042	5,334.51	106083–GROUND
1154	1,475,341.0029	1,542,525.9317	5,334.84	106083–CONCRETE
1155	1,475,340.9304	1,542,525.9635	5,334.82	106083–RIM
1156	1,475,340.4312	1,542,525.8232	5,334.15	106083–PVC
1157	1,475,345.5938	1,542,471.3297	5,334.41	106141–GROUND
1158	1,475,344.1444	1,542,470.9502	5,334.68	106141–CONCRETE
1159	1,475,344.0994	1,542,470.9315	5,334.68	106141–RIM
1160	1,475,343.7610	1,542,470.7782	5,334.23	106141–PVC
1161	1,475,343.4250	1,542,470.8748	5,334.18	106141–PVC–25
1162	1,475,343.6852	1,542,471.0012	5,334.24	106141–PVC–50
1163	1,475,343.9050	1,542,470.8398	5,334.21	106141–PVC–170
1164	1,475,343.8129	1,542,470.5532	5,334.23	106141–PVC–250
1165	1,475,343.5256	1,542,470.5797	5,334.24	106141–PVC–350
1166	1,475,358.9379	1,542,558.6856	5,334.03	106084–GROUND
1167	1,475,358.1477	1,542,558.3798	5,334.21	106084–CONCRETE
1168	1,475,358.0958	1,542,558.3517	5,334.21	106084–RIM
1169	1,475,357.6712	1,542,558.0393	5,333.55	106084–PVC
1170	1,474,945.9354	1,542,455.8456	5,349.19	106142–GROUND
1171	1,474,944.4446	1,542,455.5807	5,349.55	106142–CONCRETE
1172	1,474,944.3855	1,542,455.6115	5,349.55	106142–RIM
1173	1,474,944.0040	1,542,455.4910	5,349.16	106142–PVC
1174	1,474,944.0311	1,542,455.6757	5,349.15	106142–PVC–30
1175	1,474,944.1608	1,542,455.4269	5,349.16	106142–PVC–50
1176	1,474,943.9358	1,542,455.2171	5,349.14	106142–PVC–170
1177	1,474,943.6644	1,542,455.3712	5,349.18	106142–PVC–250
1178	1,474,943.7475	1,542,455.6723	5,349.17	106142–PVC–350
1179	1,475,262.7020	1,542,193.2422	5,339.69	106073–TOP OF ASPHALT
1180	1,475,261.5886	1,542,192.8516	5,339.79	106073–CONCRETE
1181	1,475,261.5568	1,542,192.8114	5,339.77	106073–RIM
1182	1,475,261.0773	1,542,192.6242	5,339.11	106073–PVC
1183	1,474,735.7204	1,541,706.3983	5,347.73	106097–TOP OF ASPHALT
1184	1,474,734.3039	1,541,706.3427	5,347.83	106097–CONCRETE
1185	1,474,734.3203	1,541,706.3014	5,347.87	106097–RIM
1186	1,474,733.8429	1,541,706.3202	5,347.19	106097–PVC
1187	1,474,764.9449	1,541,702.9399	5,347.98	106098–TOP OF ASPHALT
1188	1,474,763.8839	1,541,702.8939	5,347.90	106098–CONCRETE
1189	1,474,763.7892	1,541,702.8702	5,347.93	106098–RIM
1190	1,474,763.1463	1,541,702.9622	5,347.28	106098–PVC
1191	1,474,327.7528	1,541,028.0133	5,342.75	106100–TOP OF ASPHALT
1192	1,474,326.5678	1,541,027.9165	5,342.83	106100–CONCRETE
1193	1,474,326.5173	1,541,027.9711	5,342.84	106100–RIM
1194	1,474,326.0155	1,541,027.8934	5,341.96	106100–PVC
1195	1,474,353.3335	1,541,014.7462	5,342.79	106099–TOP OF ASPHALT
1196	1,474,352.0462	1,541,014.7390	5,342.90	106099–CONCRETE
1197	1,474,352.0027	1,541,014.7693	5,342.90	106099–RIM
1198	1,474,351.3935	1,541,014.8475	5,342.21	106099–PVC
1199	1,474,377.7077	1,542,329.1277	5,349.06	106066–GROUND
1200	1,474,375.4436	1,542,329.1571	5,349.14	106066–CONCRETE
1201	1,474,375.4165	1,542,329.2336	5,349.13	106066–RIM
1202	1,474,375.0170	1,542,329.1628	5,348.52	106066–PVC
1203	1,474,326.3727	1,542,287.5300	5,348.68	106065– GROUND
1204	1,474,324.7529	1,542,287.6109	5,348.80	106065–CONCRETE
1205	1,474,324.6967	1,542,287.6435	5,348.82	106065–RIM
1206	1,474,324.1153	1,542,287.7716	5,348.09	106065–PVC
1207	1,474,719.1540	1,542,742.1518	5,347.56	106067–TOP OF ASPHALT
1208	1,474,717.5368	1,542,741.5341	5,347.55	106067–CONCRETE
1209	1,474,717.4667	1,542,741.5071	5,347.53	106067–RIM
1210	1,474,716.9988	1,542,741.2422	5,346.46	106067–PVC
1211	1,474,728.3874	1,542,717.8013	5,347.19	106068–TOP OF ASPHALT
1212	1,474,727.0759	1,542,717.5277	5,347.22	106068–CONCRETE
1213	1,474,727.0206	1,542,717.5473	5,347.23	106068–RIM
1214	1,474,726.5699	1,542,717.4352	5,346.46	106068–PVC
1215	1,474,701.5501	1,542,720.3314	5,347.20	106069–TOP OF ASPHALT
1216	1,474,700.3200	1,542,719.8895	5,347.26	106069–CONCRETE
1217	1,474,700.2773	1,542,719.8631	5,347.28	106069–RIM
1218	1,474,699.7689	1,542,719.6897	5,346.52	106069–PVC
1219	1,474,762.5370	1,542,451.4637	5,343.33	10610–TOP OF ASPHALT
1220	1,474,761.3361	1,542,451.0480	5,343.32	10610–CONCRETE
1221	1,474,761.2539	1,542,451.0398	5,343.29	10610–RIM
1222	1,474,760.7142	1,542,450.8650	5,342.61	10610–PVC
1223	1,474,041.7976	1,541,489.4491	5,342.23	10612–GROUND
1224	1,474,040.2198	1,541,489.3700	5,342.69	10612–CONCRETE
1225	1,474,040.1394	1,541,489.5004	5,345.40	10612–CASING
1226	1,474,039.8088	1,541,489.3878	5,345.32	10612–CAM/LOCK
1227	1,474,078.1722	1,542,190.5582	5,346.39	106081–GROUND
1228	1,474,077.0088	1,542,190.5692	5,346.53	106081–CONCRETE
1229	1,474,076.8708	1,542,190.5752	5,349.47	106081–CASING
1230	1,474,076.7906	1,542,190.5727	5,349.07	106081–PVC
1231	1,474,079.6957	1,542,252.7027	5,346.64	106079–GROUND
1232	1,474,078.6064	1,542,252.7648	5,346.68	106079–CONCRETE
1233	1,474,078.4398	1,542,252.7487	5,349.66	106079–CASING
1234	1,474,078.3132	1,542,252.8653	5,349.00	106079–PVC
1235	1,473,521.4121	1,541,587.6495	5,343.26	10624–GROUND
1236	1,473,520.0302	1,541,587.5637	5,343.49	10624–CONCRETE
1237	1,473,520.0038	1,541,587.5494	5,343.47	10624–RIM
1238	1,473,519.4064	1,541,587.3993	5,342.73	10624–PVC
1239	1,473,662.9628	1,541,743.1079	5,345.21	106060–GROUND
1240	1,473,661.6815	1,541,743.2708	5,345.33	106060–CONCRETE
1241	1,473,661.5959	1,541,743.2630	5,345.34	106060–RIM
1242	1,473,661.0105	1,541,743.2669	5,344.35	106060–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 (SEE DATES AND COORDINATES ON SHEET 2)
- SITE IMPROVEMENT POINTS
- NEWLY SURVEYED MONITORING WELLS (MAY 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 MAY 2011.

PROFESSIONAL SURVEYOR STATE OF NEW MEXICO NO. 10464 VLADIMIR JIRIK

VLADIMIR JIRIK, NMPS NO. 10464

MAY 27, 2011
DATE

26033MW–2–5–25–2011

Plat & Survey By:
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