

LEGEND

- RECOVERED B.L.M. MONUMENT
- RECOVERED EXISTING CONTROL MONUMENT
- RECOVERED EXISTING 50mm ALUMINUM CAP
- SET 32mm YELLOW PLASTIC CAP ON 15mm X 750mm REBAR
- SET 50mm ALCAP ON 16mm X 765mm REBAR
- SET 20mm GALVANIZED SPIKE
- INTERVISABLE TRAVERSE
- MONUMENT CAP SKETCH REFERENCE

SURVEY NOTES

- The horizontal and vertical control was established by using GPS observations for bearing orientation and the N.G.S. HPGN Order "B" GPS control station "KALSKAG 1991" for the horizontal and vertical position.
- Unless otherwise noted the bearings shown are true bearings oriented to the forward geodetic bearing between CP-8 "KALSKAG" AND CP-2 derived from the GPS observations.
- The N & E coordinates are local coordinates referenced to an assumed value at control station "KALSKAG".
- The distances shown are ground distances reduced to horizontal in meters.
- The elevations are based on the NGVD29 value at CP-8 "KALSKAG" and are referenced to Mean Sea Level (M.S.L.). The project vertical benchmarks are listed as follows:

KALSKAG - Elevation = 16.280 meters. Top of a 0.82mm diameter brass cap located at runway centerline station 1+905.717, 46.678 meters left.

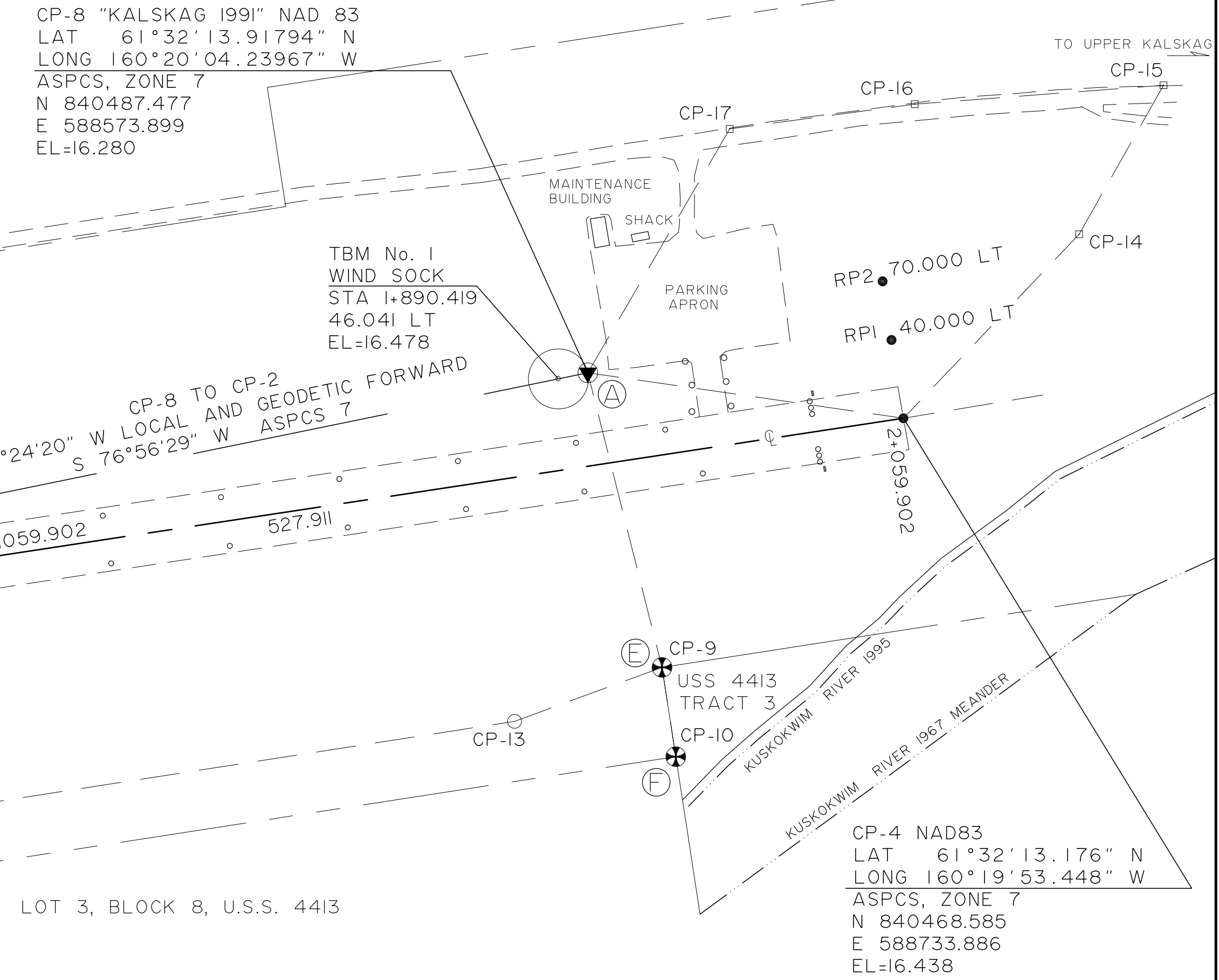
TBM No. 1 - Elevation = 16.478 meters. Top of the west bolt at the base of the windsock near the ADOT/PF maintenance building located at runway centerline station 1+890.419, 16.478 meters left.

CP-4 - Elevation = 16.438 meters. Top of a 0.50mm aluminum cap located at runway centerline station 2+059.902.

The high water mark measured on the staff gauge located at the southeast corner of the ADOT/PF maintenance building is 17.048 meters. The recommended building level on the same staff gauge was measured at 17.970 meters.

- The survey data is based on field surveys performed by R&M Consultants, Inc. during October, 1995.

- Elevations shown for points other than benchmarks are accurate to 5mm.



CONTROL POINT TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET
1	9750.084	48666.698	14.741	CP-1	0+549.998	0.000
2	9817.725	49111.587	15.573	CP-2	1+000.000	0.000
3	9897.682	49637.535	15.909	CP-3	1+531.991	0.000
4	9977.026	50159.449	16.438	CP-4	2+059.902	0.000
6	9790.680	49286.495	14.832	CP-6	1+168.856	53.026
7	9698.908	49352.442	15.032	CP-7	1+220.261	153.667
8	10000.000	50000.000	16.280	CP-8 KALSKAG	1+905.717	-46.678
9	9851.140	50037.470	16.307	CP-9	1+920.388	106.122
10	9806.003	50044.450	16.476	CP-10	1+920.504	151.796
11	9743.847	49446.678	14.993	CP-11	1+320.181	123.402
12	9782.103	49693.574	16.156	CP-12	1+570.023	122.689
13	9823.854	49962.968	16.893	CP-13	1+842.631	121.901
14	10069.993	50248.243	15.067	CP-14	2+161.660	-78.566
15	10145.315	50290.880	15.651	CP-15	2+215.133	-146.624
16	10135.738	50165.177	15.778	CP-16	2+089.419	-156.048
17	10123.249	50071.683	16.030	CP-17	1+995.110	-157.753
51	9896.455	49099.620	16.062	SS-1	1+000.002	-79.635
52	9764.936	48764.316	15.417	SS-2	0+648.740	-0.010
53	9696.587	49337.372	14.975	SS-3	1+205.013	153.697
54	9701.123	49366.677	14.887	SS-4	1+234.667	153.617
100	9997.071	49984.972	16.478	TBM No. 1	1+890.419	-46.041
121	9857.270	49105.575		RP-1 (CP-2)	1+000.000	-40.000
122	9886.930	49101.066		RP-2 (CP-2)	1+000.000	-70.000
131	9937.228	49631.523		RP-1 (CP-3)	1+531.991	-40.000
132	9966.887	49627.014		RP-2 (CP-3)	1+531.991	-70.000
141	10016.572	50153.437		RP-1 (CP-4)	2+059.902	-40.000
142	10046.231	50148.928		RP-2 (CP-4)	2+059.902	-70.000

