



January 31, 2024

**Tununak, Alaska Finish Floor Elevation Study
ANTHC Project No. AKAJK9-1499MDS**

The data provided is from a field survey completed by ANTHC on November 11, 2023. Project elevations are NAVD88 Orthometric heights (U.S. Feet), computed using GEIOD12B, and were measured utilizing Trimble R10 GPS Receivers using RTK GPS.

BASIS OF HORIZONTAL CONTROL:

The basis of horizontal control is ANTHC point 551, a recovered 9/16" stainless steel drive rod, in case with access cover, 0.2' below rim. The position for point 551 is the record NAD83(2011)(EPOCH:2010.0000) coordinates as shown on the published NGS Datasheet DQ3922, Designation 4KA A as retrieved on October 24, 2023. Said point has the following coordinates:

NAD83(2011)(EPOCH2010.00) Alaska State Plane Zone 8, U.S. Feet:

Northing = 2,400,745.4905'

Easting = 1,776,568.5663'

NAD83(2011)(EPOCH2010.00) Geodetic Coordinates:

Latitude = 60° 34' 09.36934" N

Longitude = 165° 14' 35.38084" W

BASIS OF VERTICAL CONTROL:

The basis of vertical control is ANTHC point 551, a recovered 9/16" stainless steel drive rod, in case with access cover, 0.2' below rim. The NAVD88 Orthometric Height (computed using Geoid 12B) for point 551 is the published NGS Datasheet DQ3922, designation 4KA A as retrieved on October 24, 2023. Said point has a NAVD88 Orthometric height of 18.804m/61.69'.

Sincerely,

Paul Russell, PLS
Survey Manager

Enclosures:

- Tununak-FF_AKSPZ8.csv
- Tununak_NAD83(2011).csv
- DATASHEETS-PACS 4KA A.pdf