



February 20, 2024

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

The data provided is from a field survey completed by ANTHC on February 15, 2024. Project elevations are NAVD88 Orthometric heights (U.S. Feet), computed using GEOID12B, and were measured using Trimble R12i GPS Receivers using RTK GPS.

BASIS OF HORIZONTAL CONTROL:

The Basis of Horizontal Control is ANTHC Point 401, a set PK nail in gravel driveway north of City of Elim building. The position for this point was derived through a static GPS session using Trimble R12i GPS Receivers post processed using the National Geodetic Survey (NGS) Online Positioning User Service (OPUS). Said point has the following coordinates:

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

Latitude = 64° 37' 0.16612" N

Longitude = 162° 15' 52.35430" W

NAD83(2011)(EPOCH2010.00) Alaska State Plane Zone 7, U.S. Feet:

Northing = 3,879,909.04'

Easting = 1,598,890.53'

BASIS OF VERTICAL CONTROL:

The Basis of Vertical Control is ANTHC Point 401, a set PK nail in gravel driveway north of City of Elim building. Said point has a NAVD88 Orthometric height of 23.570m/77.33'.

Sincerely,

Paul Russell, PLS
Survey Manager

Enclosures:

- Elim-FF_AKSPZ7.csv
- Elim-FF_NAD83(2011).csv
- OPUS Report_Pt-401_20240215.pdf