

2.5 Vertical and Horizontal Control

There were no specific vertical and horizontal control requirements for this project.

All horizontal and vertical data for this project were acquired on NAD83 (2011) ellipsoid. During processing, data were transformed to Universal Transverse Mercator Zone 18N in meters and to MLLW. The vertical transformation was conducted using VDatum and GEOID12A.

Twenty-eight GPS check points were established for use during project acquisitions tied to the CORS network. The coordinates for the base station utilized in positioning of the aircraft trajectory and RTK base station for check point collection were computed via the NGS OPUS.