



Loveland Vertical Control Network – Why? NGVD 29 August 6, 2020

Public Works Engineering with the City of Loveland (City) has been contacted by various firms regarding instituting the North American Vertical Datum of 1988 (NAVD88). Reason being is that the City currently is utilizing the National Geodetic Vertical Datum of 1929 (NGVD29) as the basis for the City of Loveland '95 Level Net Survey. This benchmark system is the required reference when preparing Public Improvement Construction Plans (PICP) for new development projects.

After much consideration and discussion with other city departments; the decision has been made to continue to utilize the NGVD29 reference for all PICP's. The City understands that NAVD88 is the current standard utilized by our neighboring entities and as the current reference for the Survey industry. However, at this time it is in the best interest of the City and their customers to continue to maintain the NGVD29 as the reference benchmark for all new development related construction plans.

Moving to a new benchmark system however is being planned for 2022. The City has based its decision on the fact that planned for the year of 2022, NGS with NOAA is planning to transition to a system that will replace the NAVD88. Therefore the City's plan is to make only one transition to a new benchmark system. This is due to the fact that the City maintains a large file system of as-built street and utility plans along with utility studies that are based on the NGVD29 and making a move at this time would be a short interim change.

It should be noted however, that for Flood, FEMA and CDOT plans NAVD88 will be utilized.

The information contained herein is for use by the public and any person utilizing this information shall be responsible to check the published data and the benchmarks in the field to verify their accuracy and that the City of Loveland is not responsible for errors or damages as a result of the use of this information.

For additional information regarding this matter contact me at dave.debaere@cityofloveland.org or (970) 962-2510.

Respectfully Submitted,

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