

# DISCLAIMER

## END USER UNDERSTANDS AND AGREES THAT:

This 2003 Benchmark Book supersedes the 1992 Benchmark Book.

### County Surveyor's Note:

The entire Las Vegas Valley, to some degree, has experienced vertical displacement based on subsidence and therefore should be considered vertically active.

### Las Vegas Valley Area:

Survey personnel from all entities (the cities and the county), consolidated resources and established a primary vertical control network from unilaterally recognized and common stable benchmarks, in bedrock, at the far reaches of the Las Vegas Valley (mountainous areas). Benchmark elevations published herein for the Las Vegas Valley are based on this framework.

### Outlying Areas:

At this time, benchmarks within vertical control networks in outlying areas of Clark County, do not appear to be under any significant influence due to subsidence.

### General Notes:

1.) The 2003 Benchmark networks were adjusted to elevations published by the National Geodetic Survey, NGS, for official United States Benchmarks. In several cases, however, certain federal Benchmark elevations could not be held fixed owing to conflicting data between (NGS) published values and observed values during this project.

Therefore, although this 2003 Benchmark Book incorporates official United States Benchmarks, the values published herein may, or may not agree with the elevations originally established by the NGS and other federal agencies.

2.) In order to help identify subsidence in localized areas and to reduce, or eliminate human and computer error, the only effective use of this data for any project, **must include checking into multiple benchmarks in the network.** Any properly documented discrepancies between benchmark elevations as published herein, should be reported to the County Surveyor's office as soon as possible.

3.) Additions and periodic updates, utilizing the 2003 adjustment, will be published via the Internet.