



NAVAJO COUNTY PUBLIC WORKS DEPARTMENT

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March 27, 2003

To Whom It May Concern:

Re: Navajo County Parcel Rectification Project

Navajo County maintains 74,000 parcels all of which contain no spatial reference, they are relatively accurate drawings based on the available legal description when available, although this is no guarantee that they will fit in relation to recent GPS captured property corners or section corners.

We began to use available rubbersheeting tools in Autodesk Map 5 and found the coordinate rubbersheeting tool time consuming and cumbersome. We figured we could balance the Autodesk tool with ARC/GIS adjust/fit tool, however this only created more problems as we stretched one corner the opposite corner would warp undesirably.

A local utility company told us about TCI and we downloaded the temporary license and began to explore the tools. We promptly ordered two copies and requested on-site training. We were able to use our data in the training and quickly realized TCI was our best solution.

To date we have rectified over 400 map drawings (3 weeks). It occurred to us that we could enter into inter-governmental agreements with local municipalities and maintain their parcel base map with minimal cost to them. Currently everyone is excited with the results and we have been told by our Director of Public Works Engineer, Bill Cox, and the Board of Supervisors to proceed to adjust the entire county with TCI Maptools.

As a geographer and GIS Coordinator of Navajo County, I feel that until the precision and accuracy issues are resolved with regards to old surveys and incorrect property boundaries, we will always have problems with seamless spatial data rectification, but now that we have the tools to correct these problems we are confident that we will be able to resolve them.

With TCI Maptools we have inexpensively offered the public a means to see property in relation to other phenomena and data and begin research with an effective baseline. I would recommend the tools and services offered by TCI to any organization facing the task of assembling a seamless parcel basemap from tiled CAD data. The tools and expertise they supplied has really expedited our project and TCI's willingness to provide just what we need for a reasonable cost has allowed us to succeed and stay within our budget.

Sincerely,

Jeff C. Cook

A handwritten signature in black ink that reads "Jeff C. Cook".

Navajo County GIS Corrdinator