

Fortunately most counties ignored these problem requirements and produced maps that are clear and concise.

In 1984 State funding for the map redraw program ceased. Many counties had completed their redrawn maps and many others counties, seeing the value of the redrawn maps, continued the redraw projects at their own county's expense.

In 1995, in an attempt to do away with inactive standing committees, the State Legislature repealed, along with others, the statute which created the state plat standards committee. Without a current committee, there is no mechanism to "fix" problems that exist with the original plat standards. There is no State funding as an incentive to meet the old state plat standards. Generally, Recorders in Utah are currently applying reasonable and workable mapping standards to their constructions of maps.

Currently, a number of counties are using computers to assist them in constructing their ownership maps. At least four different computer mapping programs have been used. They all use coordinate geometry and the programs range from basic line and label mapping (CAD.) to sophisticated G.I.S. (Geographic Information Systems). The most frequently used computer mapping program is ArcGIS from ESRI, but there are others being used such as AutoCAD, Deed Plotter, Sidwell and possibly others. Those who pass the basic course outlined in this manual will receive a Cadastral Mapping Certificate designating them as a Certified Cadastral Mapper. Those who pass the basic course and also have demonstrated the additional computer mapping skills will have the title "Computer Mapping Specialist" added to their "Certified Cadastral Mapper" certificate.

We have added a section to discuss GIS and cadastral mapping using ArcGIS. For those Recorders who are using different computer software, the principals for computer based cadastral mapping should be similar but you may need to develop a manual on the specific computer mapping system.

The section of this manual on real estate law has been updated to reflect current laws. The section on title searching, history of drafting, and surveying will remain the same as in past editions. The section on mapping has been updated and enlarged to include hand drafting principals in order to better understand the computer drafting.

The section on mathematics has been, by far, the most difficult discipline for most people to grasp. Because of the large switch to computer drafting using software, this section has been split into two separate math sections. The first section titled Basic Mathematics will cover simple math covering topics such as unit conversions, distance calculations, and area calculations. It is a gradual approach and incorporates step by step solutions to the math problems. The Advanced Mathematics section was moved to the appendix because the computer based mapping that has become more prevalent does most of the complex calculations for the mapper. The advanced section contains many complex yet important formulas and procedures that are necessary to understand when drafting only by hand. Therefore the advanced section remains as part of this manual but only as a reference .

We hope this new addition of the Study Manual for Cadastral Mapping Technology will be informative.

INTRODUCTION

Most people working in a technical discipline have the support of a professional organization. That organization lends support to the individual by assisting in some or all of the following:

1. Provide training.
2. Establish standards for performance and certification.
3. Introduce new technologies through continuing education and periodic publications.
4. Provide assistance to help find employment.

On June 26, 1981 the Utah Association of County Recorders met in Park City and determined that in order to meet the professional needs of Cadastral Mappers in their offices, the Recorders needed to create a professional training program. This was the first step in creating a professional organization. Over the years since then many people have worked to help produce and revise this manual, the examination and training associated with it.

Committee Report

This committee was established by the Utah Association of County Recorders at the State Association of County Officials Convention at Park City on June 26, 1981 . In June 1987 the committee met again to initiate needed changes. The 1989 revised edition resulted from that meeting.

Committee Name

Cadastral Mapping Certification Committee of the Utah Association of County Recorders

Function

The function of the Cadastral Mapping Certification Committee is to do the following:

1. Prepare the requirements for a certification program in Cadastral Mapping Technology.
2. Prepare a study manual for Cadastral Mapping Technology.
3. Organize and conduct training seminars for certification.
4. Administer the examination.
5. Plan workshops to introduce new technologies and advanced training.

The following persons have worked on committees which have been instrumental in getting the manual where it is now: (Some individuals have worked on more than one version of the manual but they are only mentioned once.)

1982 - Original publication of the manual

Jon Freston - Weber County Recorder
Dan Edwards - Private Consultant
Michael Gleed - Cache County Recorder
Glen Acomb - Chief Deputy Salt Lake County Recorder
Nina Reid - Utah County Recorder
Carol Dean Page - Davis County Recorder
Herb Bentley - Washington County Recorder
Berry Lund - Mapping Supervisor Salt Lake County

1989 Revision

Doug Crofts - Weber County Recorder
Joe Dean Huber - Wasatch County Recorder

1997 Revision

Dixie Swasey - Emery County Recorder
Russell Shirts - Washington County Recorder
Randy Simmons - Uintah County Recorder
Les Barker - Garfield County Recorder
Jim Ashauer - Davis County Recorder
Randall Covington - Utah County Recorder
Rodney Campbell - Assistant Utah County Recorder
Dixie Matheson - Iron County Recorder

2006 Revision

2015 Revision

Chad Montgomery – Box Elder County Recorder
Connie Hansen – Millard County Recorder
Brenda Nelson – Morgan County Recorder
MaryAnn Trussell – Summit County Recorder
Shelley Brennan – Duchesne County Recorder
David Carpenter – San Juan County Recorder