



map news



NUMBERING SYSTEM USED IN WARREN COUNTY GRANT

Until recently, Warren County, Ohio's land title recording system was like most other counties. The system was totally manual and consisted of grantor/grantee and tract indexes.

One of five counties to receive HUD grant

In 1978, Warren County was chosen as one of the five original counties in the nation to receive a HUD grant to develop an Automated County Recordation System (ACRES). The automated system was developed by Warren County, Battelle Columbus Laboratories and Cott Indexing Company. One of the key factors in awarding the grant to the county was their use of a geographic-oriented parcel numbering system.

The numbering system was developed as part of a complete tax mapping project Sidwell prepared for the county.

The mapping program included new, precision aerial base maps and Mylar tax maps at two scales covering the county's 59,000 tax parcels.

New automated system based on Federal Rectangular Survey System

The numbering system established for Warren County, and assigned to each parcel, is based on the Federal Rectangular Survey System. Townships, sections, quarter-quarter sections and parcels are given unique numbers which allow any parcel to be described and located with a simple ten digit number.

The use of the parcel number to code property allows the computerization of the county's tax cycle. It also provides one of two means of access into the county's new recordation system.

Previous manual system inefficient and costly

With over 2,000 documents recorded each month, Warren County's manual system of logging, typing and posting the indexes in alphabetical and tract index books was inefficient and costly. It also imposed a burden on the abstractors, attorneys, surveyors and general public who use the title information. The old system resulted in time delays and increased costs for those involved in real estate transfers.

The solution to the problem was a computer assisted search system. Now, land title indexes can be scanned on a CRT terminal. A paper print of the terminal information can also be made for future reference.

The computer data base contains land title information from the offices of the Recorder, Clerk of Courts, Sheriff and Probate Court.

Title search either alphabetically or numerically

A title search can be started alphabetically using the grantee or grantor name. It can also be done numerically by entering the parcel number of the property. If the parcel number is used, the system provides a historical chain of title regardless of the number of splits and combinations affecting the property.

System users converse with the computer using one of seven CRT terminals. "Menus" for each index provide directions on how to display the right information on the CRT screen. A complete title search, including a list of all applicable instrument references, can be completed in minutes with the new system.

Eliminates numerous index books, saves office time, provides greater security

Although the county's automated recordation system has only been in operation since July 1980, it has shown many important benefits. A single access point is now available to title searchers, thereby eliminating the handling and examination of numerous index books. The system also saves office staff time by doing away with manual correction and posting of indexes. In addition, it provides greater security control and replaces racks of bulky books with computer tape storage.

Warren County's aerial-based tax maps and permanent parcel numbering system have paved the way for a cost-efficient, state-of-the-art, county recordation system.

JOHNSON MODERATES COMPUTER GRAPHICS PANEL



Sidwell's Vice President of Marketing, Jerry Johnson, moderated a panel discussion on the "Modernization of Land Record Systems" at the recent 47th Annual IAAO Conference.

Panel members discussed the use of computer graphics as a means of managing all types of land records, including tax maps. New technology which is now available enables tax map and related property information to be stored in digital form in the computer. The new systems can save a tremendous amount of time by providing almost instant access to map information and by eliminating duplication of information among departments. It was also noted that the systems have the ability to combine layers of map information and display them on a CRT screen or plot them as a hardcopy map. In addition, the information can be viewed or plotted at any scale desired by the user.

EXPERIENCE KEY TO SUCCESS

How can you tell the outcome of a project before it's started? Having the right equipment to do the job and using the most cost-efficient methods would certainly be a start in the right direction. However, one of the most important items is the experience level of the firm doing the work. In the end, the outcome of any project depends on the firm's professional competence and past experience on similar projects.

Sidwell is proud of its experience record. Our employees have a staggering total of over six hundred years of experience working on Sidwell projects alone. It's your assurance of quality.



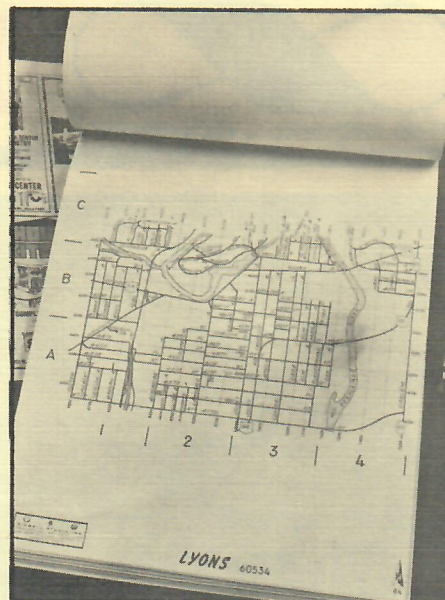
MAPS USED FOR NEW DAM

Sidwell aerial photography and topographic maps were recently used on a river construction project by the St. Louis Corps of Engineers.

The project consisted of three aerial flights. Reconnaissance photography at a scale of 1" = 600' was taken for a five mile section of the Mississippi River near Alton, Illinois. Then 1" = 500' scale photos were obtained of a 400 acre site near Alton and lock and dam 26. The photography was used to develop topographic

maps at 1" = 100' showing a two foot contour interval. The final flight at 1" = 250' was used to prepare additional 1" = 100' two foot contour maps for the 60 acre construction site.

The aerial photography and topographic maps were used by the Corps in conjunction with underwater surveys to design a new coffer dam extending into the river. Future plans are to have the area periodically remapped to monitor construction progress.



NEW VILLAGE MAPS AVAILABLE

Detailed street maps covering 278 Chicagoland cities and villages, will be available from Sidwell beginning in late December. The new maps contain several years of updated information including corporate boundary changes and annexations which have occurred. New subdivisions and street name changes will also be shown. A complete set will contain twenty-two new maps and cover sixteen new communities which have been incorporated since the last edition.

In some cases, more than one map is required to completely cover a community. Every map, however, contains an alphabetical street index on the reverse side. County and city house numbering systems, where available, are shown on each map. This makes it easy to locate streets and street addresses within cities and villages. The maps can be purchased individually or as a complete set covering all 278 communities. The complete set includes a durable, hardcover binder.

If you would like more information about the new village street maps, please contact our Customer Service Department at 231-8200.

SALT LAKE ORTHOS NEAR COMPLETION

The production of orthophotographs covering large sections of Salt Lake County, Utah, are nearing the 90 percent completion mark. The more than 400 orthophotos are being produced as part of a new tax mapping and parcel numbering project Sidwell is preparing for the county.

Three scales of tax maps are being prepared to cover the more than 200,000 parcels. The heavily congested downtown business district is being mapped at a scale of 1" = 50'. Surrounding urban areas are being shown at 1" = 100' and rural areas at a scale of 1" = 400'.

All of the new maps will contain an orthographically correct aerial photo base which is used as a guide to prepare the tax map overlays. In order to produce

horizontally accurate photo base maps, it's necessary to correct the photography by removing distortions caused by the terrain and/or the tilt of the camera at the moment of exposure.

Since Salt Lake County contains relatively flat areas in addition to mountain terrain rising up to 11,330', two ortho-photo processes are being used. Where terrain distortions are minimal, a single rectification process is used. In steep terrain, however, distortions are removed by the process of differential rectification. Both result in a horizontally accurate photo base.

For additional information on ortho-photo process, please refer to issue No. 110 of Map News.



Season's Greetings



FOR FURTHER INFORMATION ON ANY SIDWELL MAPPING SERVICES . . .

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