



# THE Central Valley Chapter PRISM

Volume 5, Issue 6

November 2015

## 2015 Chapter Officers

President: Kevin Genasci  
Vice President: Landon Blake  
Secretary: Rich Brown  
Treasurer: Tom Price  
Chapter Director: Keith Spencer  
Chapter Director: Bill Koch  
Alt. Chapter Dir: Landon Blake  
Alt. Chapter Dir: Kevin Genasci

## 2015 Chapter Committees

By-Laws Committee:  
Keith Spencer (Chairman)  
Construction Committee:  
Landon Blake (Chairman)  
Education Committee:  
Kevin Genasci (Chairman)  
Membership Committee:  
Keith Spencer (Chairman)  
Monument Preservation Committee:  
Mike Quartaroli (Chairman)  
Newsletter:  
Rich Brown (Editor)  
Professional Practices Committee:  
Mike Quartaroli (Chairman)  
San Joaquin County Liaison Committee:  
Kevin Genasci (Chairman)  
Stanislaus County Liaison Committee:  
Rich Fultz (Chairman)  
Website:  
Keith Spencer (Web Master)

## 2015 Chapter Programs

Adopt-A-Road:  
Rich Brown (Coordinator)  
Boy Scout Merit Badge:  
Zachary Wong (Coordinator)  
TrigStar:  
Bill Koch (Coordinator)  
Workshops:  
Rich Brown (Coordinator)

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Up  
Coming  
Meetings!

**Date:** December 2, 2015

**Time:** 6:00 p.m.

**Location:** Perko's @ 901 North Carpenter Road, Modesto

**Speaker:** Steve Parrish

**Topic:** Mentorship and Continuing Education

**Date:** January 27, 2015

**Time:** 6:00 p.m.

**Location:** Perko's @ 901 North Carpenter Road, Modesto

**Speaker:** Ray Mathe, PLS — BPELSG

**Topic:** BPELSG

## Announcements

### 2016 CHAPTER OFFICERS

President - Landon Blake  
Vice-President - Will Paul  
Secretary - Rich Brown  
Treasurer - TBD  
Chapter Director - Keith Spencer  
Chapter Director - Kevin Genasci

### STATE DUES GOING UP IN 2016

Board of Directors have approved a 10% increase to the Regular Corporate Dues starting in 2016. New State dues are as follows:

- Regular Member Grade - \$174.00
- Sustaining Member - \$348.00 (200% of Reg. Membership Grade)
- Associate Member - \$87.00 (50% of Reg. Membership Grade)
- Out-of-State Member - \$87.00 (50% of Reg. Membership Grade)
- Affiliate Member - \$87.00 (50% of Reg. Membership Grade)
- CE Member - \$174.00 (Same as Reg. Membership Grade)
- Student Member - \$17.40 (10% of Reg. Membership Grade)

### NEW EXECUTIVE DIRECTOR

Jeff Burgess from California Advocates, Inc., Association Management Services (CAMS) is our new Executive Director.

Direct all association business to:  
California Land Surveyors Association  
2520 Ventura Oaks Way, Suite 150  
Sacramento, CA 95833  
(916) 239-4083 (office)  
(916) 924-7323 (fax)

## Classes, Training, and Continuing Education

# Mark Your Calendars

### CAD Masters - AutoCAD Level I (3-Day Course)

Nov 9-11, 2015, Sacramento  
 Nov 23-25, 2015 Walnut Creek  
 Dec 7-9, 2015, Sacramento  
 Dec 21-23, 2015 Walnut Creek  
 Jan 4-6, 2016, Sacramento  
 Jan 19-21, 2016 Walnut Creek

[Register here](#)

### CAD Masters - AutoCAD Level II (2-Day Course)

Nov 23-24, 2015, Sacramento  
 Dec 14-15, 2015, Walnut Creek  
 Jan 7-8, 2016, Sacramento  
 Jan 25-26, 2016, Walnut Creek

[Register here](#)

### CAD Masters - AutoCAD Level III

Nov 12, 2015 Sacramento  
 Jan 14, 2016 Walnut Creek

[Register here](#)

### CAD Masters - Civil 3D for Surveyors (2-Day Course)

Dec 21-22, 2015, Walnut Creek

[Register here](#)

### CAD Masters - AutoCAD Civil 3D Intro (3-Day Course)

Nov 16-18, 2015, Walnut Creek  
 Nov 30-1, 2015, Sacramento  
 Dec 14-16, 2015, Walnut Creek  
 Dec 28-30, 2015, Sacramento

[Register here](#)

### CAD Masters - AutoCAD Civil 3D Adv. (2-Day Course)

Dec 14-15, 2015, Sacramento  
 Dec 28-29, 2015, Walnut Creek

[Register here](#)

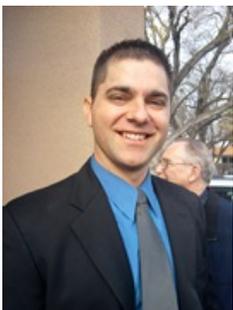
### Central Valley Presents: Steve Parrish

Dec 2, 2015, Modesto

[More Information or to Register](#)

If you have information about a training or class, please submit to: [editor@californiacentralvalleysurveyors.org](mailto:editor@californiacentralvalleysurveyors.org)

## President's Message



Looking over the last couple of years there have been some very positive changes around our chapter. Chapter membership has grown. The Prism and the chapter website are award winning. We now sponsor a stretch of Claribel Road. We are sponsoring more scholarships than ever before. Monument preservation is a buzzword among agencies and utilities. These are all great accomplishments, many of which can be tied to specific chapter members. So what now?

Well, there are some weaknesses. As I mentioned, specific chapter members can claim near total ownership of many of those accomplishments. Chapter meeting attendance doesn't seem to reflect our growing membership. When we have a road clean up day, you can count the members present on one hand (often with fingers to spare). What does that mean for the sustainability of our recent successes? Who is waiting to take ownership of these important tasks? These are challenges that face the new leadership team, but they are our challenges to take on. What would convince you to attend? To be involved? To lead? What would convince you that this is an organization worth investing your time in along with your \$25? The new leadership has expressed a willingness to be creative to pursue you. As you see and hear about some of these initiatives in the future, I hope you will take the time to consider expanding your involvement in our chapter.

If you would like to comment on this topic or suggest another, please submit it to:

[editor@californiacentralvalleysurveyors.org](mailto:editor@californiacentralvalleysurveyors.org)

## State News

### Surveyor—Henry B. Looker—Soldier

By Chas Landelan, PLS

Surveyor, soldier, civil engineer and visionary government reformer, Henry B. Looker helped shape modern Washington DC. More than a century later he still guides DC surveyors every day . . . but most of them don't know it. A West Pointer who unexpectedly became official District of Columbia Surveyor, Henry B. Looker transformed land practices in the Nation's Capital, and brought Washington DC out of the 1800s into the roaring 20th Century. His many insightful improvements are still followed to this day. Amidst it all, he volunteered to fight for his country . . . which cost him his life--but not from a bullet.

#### Early Days

Henry Brigham Looker was born in 1858 near Cincinnati, to an accomplished family that had fought in every American war. His grandfather, a soldier in Washington's Army, became Ohio's fifth governor. And his naval officer father, decorated in the Civil War, was a rear admiral. Today their Ohio homestead is a historic park.

Teenage Henry came to DC in 1876 when his father--Admiral Looker--was posted to Washington. The admiral moved his large family to a handsome 1868 Victorian home in Georgetown, District of Columbia.

Naturally gifted at math and 'problem solving,' Henry Looker attended two top engineering schools. He excelled first at Maryland Agricultural College (today's University of Maryland,) then the US Military Academy at West Point NY, finest engineering school on earth. But with only four months left before graduation, he resigned from West Point due to illness. 17th in his class, he never graduated.

Instead, at 23--son of an admiral, grandson of a governor, with highest family expectations--he was a college dropout with no degree and no military commission.

But he had one thing . . . the best education in surveying, math, military sciences and civil engineering obtainable in America.

[Continued on page 4](#)

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## Henry B. Looker, cont. from [page 3](#)

For seven years he bounced around various engineering and surveying jobs--canals, railroads, tunnels, suspension bridges, teaching--all good early experience.

### Topographical Engineer

In 1887 he returned to Washington and got a job as 'assistant engineer' with Herman K. Vielé, who ran a busy civil design firm in downtown DC. Henry B. Looker's name now began to appear for the first time on subdivision plats in and around Washington DC--"Glen Echo Heights," "Kalorama," "Kensington"--all supervised by Vielé, but largely done by Looker.

Those plats were the first of thousands to come, bearing Looker's name.

Three years later in 1890, Vielé retired. Henry went into business on his own. At Washington's famed "National Union Building," he 'put out his shingle' as a new Topographical Engineer. So many civil firms shared that building it was the unofficial "Surveyors & Engineers Club" of DC.

There followed the most prolific few years of private practice any surveyor or engineer has probably ever experienced.

Looker's new business flourished. Developers loved him. There was nothing in engineering or surveying he couldn't handle. In 1890 he teamed with Henry W. Brewer, renowned surveyor of western DC, to subdivide "Palisades of the Potomac," one of Washington's most scenic regions.

Then came "Brightwood Park" in DC, done entirely by Looker, followed by subdivisions in Maryland so numerous they can't all be listed . . . "Burgundy Park," "High Point," "Takoma Park," "West Kensington," "Glen Echo Heights," "Chevy Chase," "Chapel Point" and others.

Wherever one goes today around the Washington area, quaint historic neighborhoods from the 1890s are Looker's. His math 'closes,' his points check. Houses and fences line up--silent testimonial to the man who placed them.

One memorable drawing gained prominence--"National Chautauqua of Glen Echo" (an 'enlightenment' center in the 1890s.) Looker's exquisite plat of Washington's Chautauqua site--Glen Echo Park today--is a surveyor's work of art.

A busy few years went by for surveyor engineer Henry Looker. Projects flew from his drafting tables. Along with plenty of business, he gained a wide reputation for skill and integrity.

One day in 1894 he received some unexpected visitors--a delegation of Washington's top government and business leaders.

They were on a recruiting mission. They'd come to implore him to do the very last thing he'd ever considered--close his booming private practice and join the District of Columbia's Surveyors Office.

In those days 'DCSO' was the key agency for all land development in the Nation's Capital, combining today's functions of planning, zoning, permitting and subdivisions. William Forsyth, its highly-regarded but elderly surveyor in charge, had directed the office since before the Civil War. New developments had overwhelmed his small hard-working staff. Urgently a skilled young surveyor was needed . . . and the person they wanted was Henry B. Looker.

It took considerable 'persuasion,' but in the end Looker agreed.

### DC Surveyors Office

Henry B. Looker joined the DC Surveyors Office in January 1895, as Assistant Surveyor to William Forsyth, at the princely salary of \$1800 a year (about \$50K today.) With Forsyth's blessing, he immediately started making big improvements.

In March 1895, in a single far-seeing reform, Looker earned the undying gratitude of every generation to follow. He began recording official Plats of Survey. This practice, common in western 'Public Lands' states, seldom occurs today in the eastern US.

DC had always recorded its Subdivisions showing 'record' dimensions. But the city also kept an unpublished treasure-trove of field surveys, showing 'real-world' dimensions that differed from official plats. To the anguish of surveyors like Looker, this 'measured' information was restricted to government use.

Looker quickly changed all that. He began the Survey Books of Washington DC, which today number over 200 large volumes. They show actual field measurements on official recorded Plats of Survey, available to everyone. DC today still records Survey Plats in large numbers.

[Click for Complete Story](#)

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## CENTRAL VALLEY CHAPTER OF CLSA PRESENTS STEVE PARRISH, PLS



Steve began surveying with the U.S. Forest Service in 1963, acquired his Utah PLS in 1973 and worked in a variety of land surveying positions with the USFS through 1984. In early 1985 he began working for the U.S. Bureau of Land Management and eventually served as the BLM Nevada Cadastral Chief. Steve left the government in late 1995 to pursue private surveying experience. He is licensed in 8 western states, a Nevada water rights surveyor and provided contract county surveyor services for Inyo, Modoc and Mono Counties in California from 1999-2012. Steve is one of the contributors to *"The Surveying Handbook"* edited by Brinker and Minnick, has presented workshops in 27 States and Canada, and was an instructor for the BLM/FS Advanced Cadastral Survey Courses for 12 years.

Steve shares his 51+ years of land surveying knowledge and experience through participation in state association land surveying workshops, consulting, and expert witness testimony. He worked for Tri State Surveying in Sparks, Nevada from 1999-2012, is an adjunct professor in the 4-year survey program for Great Basin College (Elko, NV), acquired his Certified Federal Surveyor (CFedS) certificate in 2007 and received his Bachelor of Applied Science degree in May 2009. He is active in state and national surveying organizations and enjoys travel with his family, photography and fishing.

**WHERE: 1010 Tenth Street, B300  
Modesto**

**WHEN: Wednesday December 2, 2015**

**COST: CLSA Members \$50 per session  
(\$75 for both sessions when registered together)  
Non-CLSA Members \$50 per session**

**REGISTRATION (8:00am - 8:30am):**

**MORNING SESSION (8:30am - 12pm):**

**Walking in the Footsteps of Previous Surveyors**

**AFTERNOON SESSION (1pm - 4:30pm):**

**Double Monumentation—Physical and Inferred**

For Information or to Register go to:

[www.californiacentralvalleysurveyors.org/events/Parrish-2015.shtml](http://www.californiacentralvalleysurveyors.org/events/Parrish-2015.shtml)

Or Contact

**Rich Brown or Keith Spencer**

for More Information

# National News

## Road Records, Easements, and Probate Records

Written by Knud E. Hermansen

The failure to locate the appropriate road record often results in the landowner mistakenly building in the public right of way.

In a previous article (July 2015) I explain two of the five common mistakes made by surveyors in researching the records: mistakes made in determining senior title and the deficiency existing when a forward search is omitted.

The remaining of the five common mistakes often made by surveyors are the failure to research the road records, to identify and locate easements, and to research probate records.

### ROAD RECORDS

Surveyors often omit searching for road records even though their property is bounded by a public road. Even if a search of road records is conducted, a surveyor will often fail to find the appropriate road records. Road records are particularly difficult records to research for three reasons:

First, road records are not always found where other property records are recorded. Road records are often found in municipal offices, department of transportation offices, court records, county commissioner records, and even state archives or other historical archives. The location of road records often depends on the manner in which the roads were created (e.g., dedication, condemnation), the type of road (e.g., municipal, county, state), and the age of the road.

The second difficulty arises because there is seldom an index to help locate the appropriate road record among the plethora of government documents that exist.

The third difficulty is the trouble in identifying a particular road from the ancient description often used when describing roads found in the records. In other words, when a road record is discovered and read, the reader often finds it difficult, if not impossible, to identify what road is described and where the road exists on the face of the Earth using the ancient description.

Consider how difficult it would be to locate the following road if knowledge of the area has been lost with the passage time:

“Beginning 2 rods from Samuel Widman’s pasture fence at the turnpike road, thence through Ezekiel King’s land, N20°E 25 rods to a stake; thence N36°E, 120 rods to a stake; thence N48°E 90 rods to Jacob Denton’s sawmill lane... To be opened at four rods. 12 June 1834.”

Researching road records is not so much a matter of following a particular procedure as employing dogged determination and fortitude.

The failure to search for and locate the appropriate road record often results in the surveyor failing to properly fix the width of the road and thereby causing the client or other landowners to mistakenly build in the public right of way.

### EASEMENTS

The failure to identify and locate easement records is a major source of liability for surveyors. There are numerous reasons for research difficulties associated with easements. Because some easements are public easements they suffer from the same difficulties associated with locating road records

Other problems arise by the legal nature of the easement itself. An easement appurtenant to property that was created in, for example, 1823 by recorded grant need not be mentioned in any property records thereafter yet will still effectively burden property and benefit another property (appurtenant property)



[Continued on page 11](#)

# Picture of the Issue

Boy Scouts of America Sierra Valley District Merit Badge Midway  
August 29th, 2015



Naramsin Shahbaz, Wong Engineers, shows three future Surveyors how to use some tools of the trade.

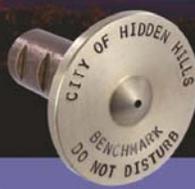


If you would like to help with the next Midway please contact Zach Wong at [wongenginc@aol.com](mailto:wongenginc@aol.com)

If you have a historic or interesting photo you would like to see in a future edition of The Prism, please submit to: [editor@californiacentralvalleysurveyors.org](mailto:editor@californiacentralvalleysurveyors.org)

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# A Special Goodbye

On September 8th, 2015 the Chapter's first President passed away. Richard "Dick" Fultz, L.S. 3870 passed away. The Central Valley Chapter was founded in 1976 with Dick Fultz serving as the President.

Richard "Dick" Leroy Fultz was born on January 12, 1941. Dick became a Professional Licensed Land Surveyor in 1971 and a Professional Registered Engineer in 1977. Becoming part owner of Roy E. Fredricksen Engineering in 1978. In 1980, he joined with Tom DeLaMare to acquire the firm, changing the name to DeLaMare-Fultz Engineering and Land Surveying. He was actively involve in the California Land Surveyors Association, as well as the Modesto Engineer's Club and many other great organizations. His surveying legacy lives on in his Son, Rich Fultz, who is currently the City Surveyor for the City of Turlock, as well as the countless others he has mentored through-out the years.



Dick is survived by his Wife Helen, his daughter Kathy, his son Rich, four brothers, and countless other family members. Dick Fultz was 74 years old. You will be missed.

*Pictured: Wayne Sutton and Dick Fultz at the Central Valley's April, 2014 Chapter Meeting. Over 100 years of surveying experience shown here.*

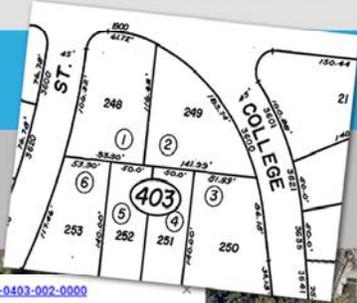


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# Chapter News

## The History of the Central Valley Chapter President

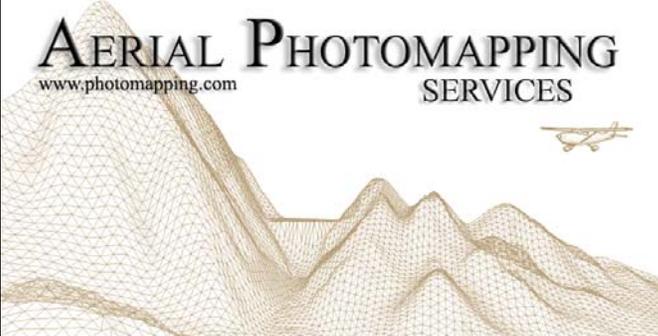
<u>Year</u>	<u>President</u>	<u>Representative(s)</u>
1976	Richard L. Fultz	Richard L. Fultz
1977	Ralph Scheel, Jr.	Ralph Scheel, Jr.
1978	Duane Andrews	Duane Andrews
1979	Edison Ayer	Edison Ayer
1980	Edward Cardoza	Edward Cardoza
1981	Larry Bowers	Larry Bowers
1982	?	Larry Bowers
1983	?	Jimmy Bateman
1984	Thomas DeLaMare	Christopher White
1985	Max Garcia	Wayne Sutton
1986	David Souza	Christopher White
1987	Christopher White	Thomas DeLaMare
1988	Keith Spencer	Thomas DeLaMare
1989	Duane Andrews	Christopher White
1990	Keith Spencer	Doug Potts & Keith Spencer
1991	Richard Wright	Keith Spencer
1992	Arthur Colvin	Keith Spencer
1993	Keith Spencer	Keith Spencer
1994	David Scheel, Jr.	Keith Spencer
1995	Frederic Clark	Keith Spencer
1996	Annette Shaw	Keith Spencer
1997	Frederic Clark	Keith Spencer
1998	Frederic Clark	Keith Spencer & Robert Hart, Jr.
1999	Frederic Clark	Robert Hart, Jr.
2000	Frederic Clark	Robert Hart, Jr.
2001	Frederic Clark	Robert Hart, Jr. & Michael D. Jones
2002	Frederic Clark	Mike Turnrose
2003	Frederic Clark	Mike Turnrose
2004	Michael Quartaroli	Frederic Clark
2005	Michael Quartaroli	Frederic Clark
2006	Michael D. Jones	Frederic Clark & Mike Turnrose
2007	Michael D. Jones	Frederic Clark & Keith Spencer
2008	Richard K. Fultz	Michael D. Jones & Keith Spencer
2009	Richard K. Fultz	Michael D. Jones & Keith Spencer
2010	Mike Turnrose	Michael D. Jones & Keith Spencer
2011	Mike Turnrose	Michael D. Jones & Keith Spencer
2012	Bill Koch	Jon Scarpa & Keith Spencer
2013	Bill Koch	Jon Scarpa & Keith Spencer
2014	Kevin Genasci	Bill Koch & Keith Spencer
2015	Kevin Genasci	Bill Koch & Keith Spencer
2016	Landon Blake	Kevin Genasci & Keith Spencer



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# Monument Obituary

By Mike Quartaroli, L.S.

## BENCHMARK J-464 1960-2012

Bench mark "J-464" was brought into this world by U.S. Coast & Geodetic Survey in June 1960. "J-464" lived a quiet and leisurely life on Terminous Tract along the south side of Highway Route No. 12 near Tower Park Marina on the east side of the Delta. Occasionally, "J-464" provided control for local levee maintenance. "J-464" initially had an elevation of -6.398 feet (NGVD 29). Yes, that is negative 6 feet. After 1967, "J-464" suffered the indignity of carrying a "Vertcon" elevation. Then in 1988 "J-464" was one of thirty-one bench marks selected to be a secondary control station for the **Sacramento – San Joaquin Delta Common Vertical Datum Survey**. Pride was restored to "J-464". Ten – channel, dual frequency Trimble Navigation 4000 SL Global Positioning receivers were used for the control survey. This control survey was conducted by the Division of Land and Right-of-Way with the Department of Water Resources. The survey results were published in August, 1991 in a report entitled "**Use of the Global Positioning System to Establish a Common Vertical Datum in the Sacramento – San Joaquin Delta, California.**" The GPS elevation of "J-464" was established to be -7.36 feet. But the report drew a lot of criticism and "J-464" withdrew from the limelight to a quiet and serene life in the Delta. But fame came knocking a second time! "J-464" was again thrust into the limelight of stardom in June 2002. The Department of Water Resources choose "J-464" to be included in the "**Delta Subsidence Network Height Modernization Survey**" and the NAVD 88 orthometric height was established by GPS observations and published. "J-464" new and modern elevation was -6.1 feet (NAVD 88). Also, the NAD 83 horizontal coordinates were established by GPS observation and adjusted by the National Geodetic Survey. After years of proud service, "J-464" succumbed to the effects of intense tractor and truck traffic storing and moving K-rails for the Highway Route No. 12 improvement project. "J-464" was literally surrounded by intense construction

activity. "J-464" was not afforded the protection it deserved. The 2012 National Geodetic Survey Mark Recovery note by Caltrans reads "Ground mark has been disturbed by recent road construction. Concrete block adjacent to mark is cracked and tilted down to the west approximately 5 degrees." HOW IRONIC!

Last month I accompanied family and friends to say our good byes to "J-464". "J-464" can still be viewed safely if you have not already paid your respects. "J-464" will no longer be in the limelight, but some of us will remember the role "J-464" played in providing survey control in the Delta.

Donation of your time to the CLSA Valley Chapter Monument Conservation Committee is requested. Ask about the "Adopt a Monument" program. Make a difference.



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## Road Records, Easements... cont. from [page 6](#)

The law presumes that an appurtenant easement is a part of the appurtenant property and passes with the conveyance of the appurtenant property even though the easement is not mentioned in subsequent records for the appurtenant property. For example, it is not unreasonable for a surveyor to stop the search of property records long before reaching the ancient property records where the deed for the easement was recorded—especially if all the boundaries to the property being surveyed were created subsequent to when the easement was created.

Another problem is that easements often arise from records that are not deeds. The sale of a lot by reference to a subdivision plan may give the lot owner an appurtenant easement in every road or other benefit shown on the plan (such as a park). Also, the call for a private road as a boundary, owned by the grantor at the time of the conveyance, may give an easement to the grantee in the grantor's private road.

Unless the surveyor is aware of the law regarding implied easements, the surveyor may fail to research, locate, and mention the implied easement.

### PROBATE RECORDS

Some surveyors have gone their entire career without ever researching property records that may be found in the office of the probate court (also known as “family,” “surrogate,” or “orphans” court).

Probate records will often contain maps of the decedent's property and descriptions of the property that are not found in the deeds. In some states, partition maps dividing a decedent's property among the heirs or devisees are filed in the probate records and are found nowhere else.

Also, it is not uncommon for boundary surveys of the decedent's property to be among the decedent's estate documents and possibly in the probate records. As a consequence, many surveyors have overlooked valuable boundary information that is only available in the probate office.

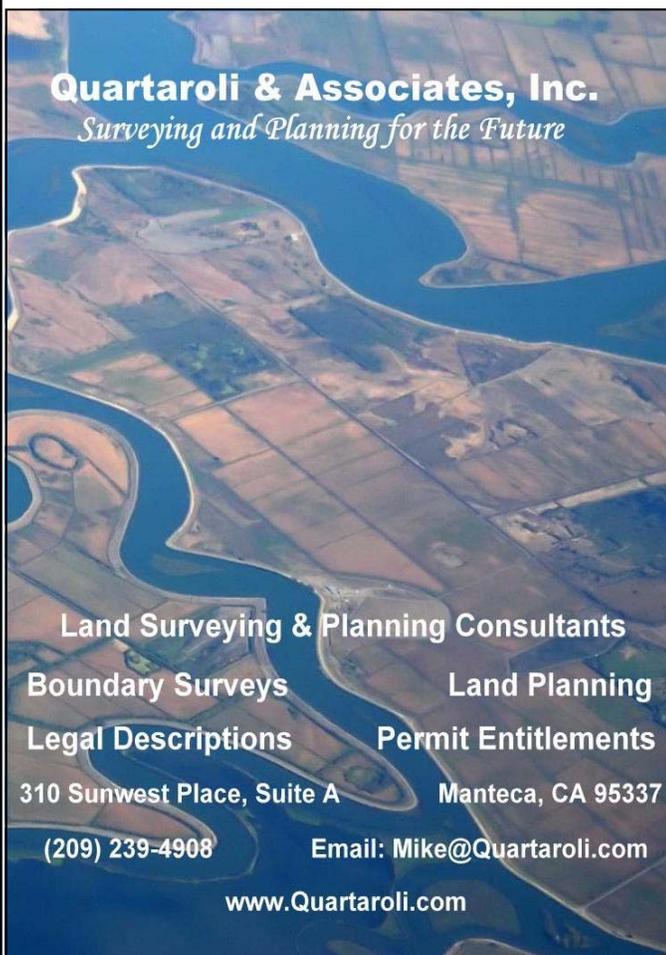
In defense of those surveyors who have avoided performing research in the probate office, pertinent records are often extremely difficult to identify from the indices in the probate office.

For example, if the deed reads: “Being the same property Christina Small inherited from her father,” the researcher faces a difficult time finding the appropriate probate records for Christina's father (assuming the father's property passed through probate).

Probate records are typically indexed by the decedent's name. Consequently, if Christina Small is her married name, the researcher would not know the decedent's last name needed to enter the probate index.

[Click for Complete Article](#)

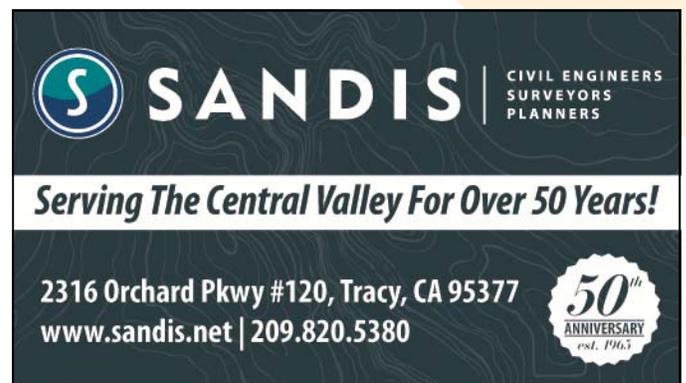
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D	T	R	Z	A	I	P	U	R	A	N	O	C	I	Y	E	R
W	I	S	T	T	V	D	A	W	I	S	M	H	L	L	N	I
A	E	A	L	I	L	A	O	D	S	T	W	O	A	A	W	P
R	K	N	U	A	O	V	N	R	W	R	U	L	T	Z	A	H
D	D	D	F	N	C	I	A	A	E	E	R	S	R	O	H	I
C	E	I	D	D	R	D	U	H	R	C	R	T	Y	D	S	L
A	C	M	R	R	U	S	P	C	D	N	L	E	B	H	E	L
R	N	A	R	E	H	O	I	I	N	E	S	D	O	I	T	Y
D	E	P	L	E	T	U	O	R	A	P	H	T	W	A	T	R
O	R	G	C	E	Y	Z	M	A	E	S	R	I	E	Y	E	O
Z	E	A	I	F	E	A	T	N	N	H	R	R	R	G	N	D
A	F	R	R	E	W	H	B	G	A	T	T	I	S	N	N	E
O	H	C	Y	S	C	R	C	A	U	I	Z	E	E	I	A	P
W	R	I	G	H	T	M	A	S	D	E	L	A	M	A	R	E
C	C	A	F	R	W	R	I	A	C	K	C	L	A	R	K	T

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*Land Surveying Photo Gallery*



California Land Surveyors Association Education Foundation would like to thank Bryant Sturgess for generously donating his collection of historic images.

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### CITY/COUNTY OF SAN FRANCISCO LOOKING FOR SURVEY ASSISTANT

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### O'DELL ENGINEERING LOOKING FOR A PROJECT COORDINATOR

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A person familiar with land surveying, civil engineering, and heavy construction concepts is preferred, but not required. An ideal person will have experience with operations management, basic accounting, and project management. Excellent written and verbal communications skills is required. Excellent attention to detail and experience with Microsoft Word and Microsoft Excel are required. A person willing to work on a progressive understanding of the land surveying profession is preferred.

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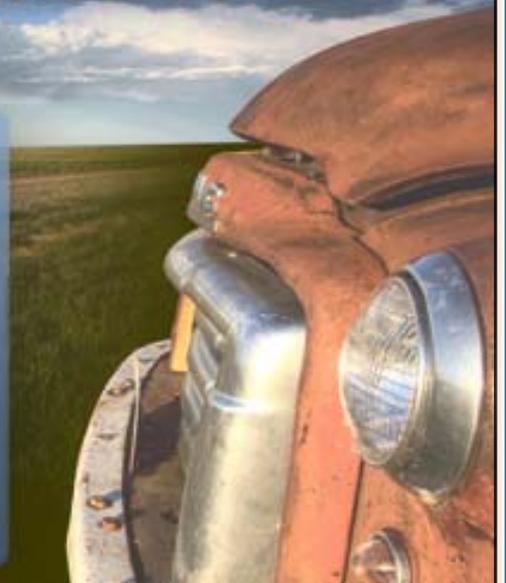
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