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MEETING OF THE LAND SURVEYING TECHNICAL ADVISORY COMMITTEE OF THE BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

BOARD MEETING LOCATION

OCTOBER 19, 2012, 10:00

Board for Professional Engineers, Land Surveyors, and Geologists
2535 Capitol Oaks Drive
Third Floor Conference Room
Sacramento, California, 95833
(916) 263-2222

TAC MEMBERS

Michael S. Butcher, PLS; Mr. Frank Demling, P.L.S.; Michael B. Emmons, PLS; Paul J. Enneking, PLS; Mr. William Hofferber Jr., P.L.S.

BOARD LIAISONS

Patrick J. Tami, P.L.S.; Michael Trujillo

STAFF LIAISONS

Raymond L. Mathe, PLS; Celina Calderone

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1. Roll Call

3. Approval of LS TAC Minutes, July 6, 2012 (Possible Action)

Moved: _____ Second: _____

Comments: _____



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DRAFT

MEETING OF THE LAND SURVEYING TECHNICAL ADVISORY COMMITTEE OF THE BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

Friday, July 6, 2012, 9:30 A.M.

TAC Members Present: Michael S. Butcher, PLS; Michael B. Emmons, PLS;
 Paul J. Enneking, PLS; William Hofferber Jr., PLS

TAC Members Absent: Frank Demling, PLS

Board Liaisons Present: Patrick J. Tami, PLS

Board Liaisons Absent: Michael Trujillo

Board Staff Present: Ric Moore, (Executive Officer); Raymond L. Mathe,
 PLS; Nancy Eissler (Enforcement Manager); Celina
 Calderone (Board Liaison); Tiffany Criswell
 (Enforcement Analyst);

1. Roll Call was taken and a quorum was established.
2. **Public Comment**
 Dan Woolley representing D. Woolley and Associates welcomed new members and read a written statement into record in which he offered ideas and opinions to the committee in reference to the operations, roles, and responsibilities.
 Mr. Tami explained that the LS TAC's role is to provide advice to the Board on land surveying issues and that there are no expectations to conduct legal research as that is the purpose of the Board's legal counsel.
3. **Approval of LS TAC minutes, March 16, 2012**
 Mr. Enneking rescinded motion to approve. Directed staff to revise and return to next meeting.
MOTION: Mr. Enneking/Mr. Emmons moved to revise and return to next meeting.
VOTE: 4-0, motion carried.
4. **Discussion and Possible Recommendation Regarding Monumenting an Easement as it relates to Business and Professions Code Section 8762**
 Public Comment was opened - Kurt Burfield shared his personal opinion, as he has worked on private surveys in rural areas in which lot access is nineteen courses up a flume road. He stated that if all easements must be

monumented, and a client requests to flag the monuments on their cabin up to the mountains, the surveyors may have to monument all nineteen courses from the nearest public road up to the cabin. This could have a severe impact on whether or not a survey will be performed.

Mr. Mathe indicated that the original request to the Board was for legal counsel to revisit 1998 opinion.

Mr. Duke provided an overview as to where his legal opinion came from. He addressed Mr. Woolley's comments and indicated that he is not an expert in the field of engineering or surveying but has worked for the board for over 20 years and is knowledgeable of the law and its history. Mr. Duke stated that he wrote an opinion on January 6, 1998 in which he still holds the same opinion. The source of his opinion is based upon standard rules of statutory construction in which the plain meaning language rule is employed. The definition of land surveying is contained in Business and Professions code 8726 and includes the term "easement". The mandatory filing procedures are found in Business and Professions code 8762. Subdivision (a) in 8762 authorizes land surveyors to file a record with the county surveyor; it states "may" so it has been open. Business and Professions code 8762 Subdivision (b), which concerns the mandatory filing requirements. 8762 goes back to 1939 and was amended in 1941. When the legislature included the term "easements" and "rights of way" into the definition of land surveying they did not alter 8762, meaning nowhere would you see the word "easement" which would require a mandatory filing.

Mr. Duke continued that the argument Mr. Frank employs is that if you look at easement at its most broad definition it is a right of interest in a land. Mr. Roger Frank believes 8762 Subdivision b(5) which states, "the points are lines set during the performance of a field survey of any parcel described in any deed or other instrument of title recorded in the county recorder's office are not shown on any subdivision official map or record of survey". That section could possibly lend itself to an interpretation. Mr. Duke stands by his previous legal opinion but is more than happy to listen and entertain what is the going practice.

Mr. Hofferber believes it's important that monuments should be shown on a map. If monuments are going to be set they are mapped so the public can be aware of those monuments. For the perpetuation of monuments, if an easement is set and mapped and later destroyed, those may be the only monuments prevailing that would allow you to reestablish other monuments. He believes if monuments are set in the ground there should be some kind of filing.

Mike Emmons, reviewed the Land Surveyors Act and stated that an easement can be a deed so it seems clear that it is mandatory. Despite that Mr. Emmons took offense to Mr. Woolley's letter and tone, he agrees with some points. He thinks the LS TAC should have Mr. Duke revisit and come up with a legal opinion.

Mr. Duke added that his opinion was based upon his reading of the law. Mr. Frank provides compelling public policy reasons but not sure if law makes it mandatory.

MOTION: Mr. Enneking/Mr. Hofferber recommends to the board to have Mr. Duke revisit.

VOTE: 4-0, motion carried.

Mr. Enneking agrees these are compelling arguments but not so clear cut in terms of his interpretation of the language in the law; could lead to require the amendment of the law to clarify. He can see where there could be issues having to monument and file. It may lead client to not have the survey done.

Mr. Moore stated that when you're monumenting a boundary line, there is not a single owner of a monument. The owner of an access road can be an easement and is not necessarily the owner of the underlying parcel. If a record of survey is required for an easement, how will that affect the rights of the underlying property owner who does have fee title?

Mr. Emmons stated that one of the other issues is the definition of the word establish. He believes it is a problem if you are going to require a record of survey for an easement that may be three miles down a road that is not related. Mr. Butcher indicated that if you interpret the comment made referencing 19 courses up a road, the easement falls under 8762 then you must look at 8762(b)(4), the establishment of one or more points or lines not shown. If you go to the monuments, you must go to that one as well and that you are establishing a line and it is not shown on a subdivision map. If you are establishing a line on an easement, for every ALTA completed, you would have to file a record of survey, even if the real property land has been shown on a previous map. He asked why the word "parcel" was included, why not "land" or "easement". He suggested, "set during the performance of a field survey of any deed or instrument of title" and omit "of any parcel described".

In reference to 8726(c) when it refers to land surveying defined, he interprets the word "boundaries" as relative to the other words in the rest of section (c). In 8762(b) references "land" boundaries. Mr. Butcher indicated that there are two arguments; if it's not included, it was omitted for a reason and the contrary, if it is not included and not excluded it is permissive. CLSA is always looking for consistency. He added that he can see arguments for both.

Mr. Duke indicated there's a distinction but 8762(b)(5) only refers to a parcel and not the others.

Mr. Tami asked to consider 8771(a) if you do a survey you must leave sufficient monumentation. If those easements do not have monuments would you be required to monument the easements?

Mr. Emmons shared that now that an easement has been established; you are now required to file a record of survey, there are ramifications and is

not sure if that is the direction the profession wants to go. He does not believe it is a simple fix.

5. Discussion and Possible Recommendation Board Rule 425(c) and (d) Regarding Criteria for Responsible Training

In reviewing applications for licensure, Mr. Mathe indicated that this board rule is paramount in determining whether or not experience requirements are sufficient. It would be clearer for candidates to know what is considered qualifying experience in the field and office environment. He is recommending cleaning up language to assist board staff and applicants. Mr. Moore pointed out applicants are looking at 425(b) and (c). They are looking at it as an all-inclusive list which it is not intended to be. He is not sure if 425 reflects the technology changes. In reviewing applications and engagement forms they must read between the lines utilizing personal experience, understanding what they are conveying. The gaps between what the candidate is writing and what the references are saying are broadening.

Mr. Tami indicated that with today's technology many "field" activities can be done in office and asked if it was permissible.

Mr. Butcher added that a party chief is becoming more of a technician.

Ms. Eissler referenced 8742 (a)(2) which states that actual broad-based progressive experience in land surveying for at least six years including one year of responsible field training and one year of responsible office training satisfactory to the board. Mr. Tami added that when looking at responsible field training, many can be done in the office and not actually have to be done in the field by today's technology. Should there be a requirement that certain things be done outside the office or is it sufficient that someone makes the determination and accounts for them in an office setting? Mr. Moore stated that the word "office" may not be a word to emphasize because office can mean truck. Mr. Hofferber suggested tasks need to be better defined. Mr. Mathe believes there is a desire that you must have a practical experience in both environments. Not location but activity.

Mr. Woolley supplied the committee with a copy of the 1990 Office of Administrative Law opinion.

Mr. MacMillan representing CalTrans, added that it was about the same time the transportation surveyor series was implemented at CalTrans which established the professional land surveyor as a professional classification in CalTrans effective 88-89 with the hiring upswing in 1990.

Mr. Tami suggested that it may be beneficial for TAC members to view redacted applications to view what the LS applicants are including on their application.

Mr. Enneking asked if one can categorize the primary issue that people have limited field experience in general or is there limited mentoring while in the field or both. Mr. Moore said he's seeing both. The majority of the applicants are not anywhere near the six years required and are usually

pushing that responsible level. The mentorship is not necessarily the same as in the past.

Mr. Tami asked if the four year baccalaureate degree requirement, as part of responsible training, be considered. How would that factor in alternate path, direct path, and mandatory. Baccalaureate degree was a big push for a land surveyor.

Mr. Hofferber likes the idea of a baccalaureate degree to sit for an examination but does not want to see it be mandatory. He's not opposed to a baccalaureate degree requirement but is opposed to a baccalaureate degree in only geomatics to sit.

Mr. Emmons agrees with Mr. Hofferber and believes education is a good thing to have but it is not the only thing. Practical experience is important as well.

Mr. Moore pointed out that some states have a tiered path such as experience only, experience in an associate's degree, and experience in a baccalaureate degree.

Mr. Moore suggested tabling this item until item 9 to develop a proposed 2012-2013 work plan.

6. Review selected board action for June 28-29, 2012 board meeting -

Mr. Tami announced LS TAC member appointments and Board member appointments. Request for bulletin articles are being solicited for the summer bulletin and the launch of the Board's new website was announced.

7. Update on April Professional Surveyor Examination; New Applications Process for FE, FS, and State Examination and New Application and Testing Fees.

Mr. Mathe started off by discussing the April 23 PLS examination. He indicated that it was held on a Monday and administered by Computer Based Test (CBT). There were 22 sites within California, Nevada, Oregon and Canada as well. There were 404 registered, 384 showed for exam. Mr. Mathe explained the CBT examination process at the various examination locations. Mr. Tami explained why design problem artwork was in paper format and the question and answers appeared on the screen, was to reduce the distraction of having to scroll up and down to view the artwork while reading the problem. Mr. Mathe also explained the Seismic and Surveying examination printing error.

Professional Surveying (NCEES) examination will go to "closed book". Closed to books brought in by candidate but not to reference books provided by the test site. The purpose is to eliminate personal writings in the candidate's reference materials that can be removed from test site.

Mr. Mathe explained the new application process for FE, FS, and State Examinations.

8. Election of Chairman and Vice-Chairman for 2012-2013

MOTION: Mr. Emmons/Mr. Enneking moved to appoint Michael Butcher as chairman of TAC

VOTE: 4-0, motion carried.

MOTION: Mr. Emmons/Mr. Enneking moved to appoint William Hofferber as vice-chairman of TAC

VOTE: 4-0, motion carried.

9. Develop Proposed 2012-2013 LSTAC work plan

Mr. Woolley spoke during public comment. If you manage unlicensed people you must take a class to manage unlicensed people. In his opinion, there is an opportunity, as what is missing in land surveying is the critical thinking ability to create and believes many surveyors are functionally illiterate. The professional work is the future and requires reading and writing skills as well.

Mr. Moore distributed the work plan from 2007. Ms. Eissler provided information of various TAC's. Typically, the first nine items on the 2007 work plan as well as the introductory paragraph are standard to all TAC's. If there were specific items that they felt were important to bring to the board's attention or specific items the board wanted them to be discussed, those were added as additional items.

Mr. Mathe indicated that the TAC could recommend items to be included and the board could add more.

Mr. Tami suggested item #6 be amended to just ABET as it is no longer known as Accreditation Boards of Engineering Technology.

The releasing of responsibility for monuments on a map.

Add 425 - Responsible training and educational requirements.

Possible future agenda item.

The work plan used to be done every year but because of budget constraints, the TAC's were only able to meet once a year.

10. Date of next TAC meeting - October 5, 2012

An alternate date was proposed for Friday, September 21.

11. Other Business not requiring committee action-

Mr. Moore announced that Mr. Tami was reappointed to the board in addition to 3 new members. Mr. Woolley apologized to Mr. Emmons for offending him with his correspondence.

12. Adjourned at 2:15 p.m.

PUBLIC PRESENT

Roger Hanlin, CLSA

Kurt Burfield

David Woolley

4. Discussion and Possible Recommendation Board Rule 425(c) and (d) Regarding Criteria for Responsible Training (Possible Action)

425. Experience Requirements - Professional Land Surveyors.

(a) An applicant for licensure as a professional land surveyor shall be granted credit towards the experience requirements contained in Sections 8741 and 8742 of the Code, for the following education curriculum:

- (1) Four (4) years experience credit for graduation from an approved land surveying curriculum.
- (2) Two (2) years experience credit for graduation from a non-approved land surveying curriculum.
- (3) Five (5) years of experience credit for graduation from an approved cooperative work-study land surveying curriculum.
- (4) One-half (1/2) year of education credit for each year of study completed in an approved land surveying curriculum that did not result in the awarding of a baccalaureate degree, except that the maximum of such experience shall be two (2) years. A year of study shall be at least 32 semester units or 48 quarter units, no less than 10 semester units or 15 quarter units of which shall be from classes clearly identified as being land surveying subjects.

“Life Experience Degrees” are not acceptable and will not be counted towards the education credit.

(b) All qualifying work experience in land surveying shall be performed under the responsible charge of a person legally authorized to practice land surveying. An applicant shall possess at least two years of actual responsible training experience in land surveying which shall involve at least four of the land surveying activities specified in subdivisions (a) - (g) and (k) - (n) of Section 8726 of the Code. Qualifying experience in activities specified in subdivision (a), (b), (m), and (n) of Section 8726 shall not exceed one year. Qualifying experience shall be computed on an actual time worked basis, but not to exceed forty hours per week.

(c) For purposes of Section 8742 of the Code, the term “responsible field training” experience may include, but is not limited to, the land surveying activities listed below. Under the responsible charge, direction, and review of a person legally authorized to practice land surveying, the applicant:

- (1) Determines field survey methods and procedures, including selection of accuracy standards.
- (2) Selects or verifies that the correct control monumentation is used to establish the designated survey datum(s) (horizontal and vertical) and selects on-the-ground locations for control monuments.
- (3) Determines the relevance of monuments and physical field evidence for the purpose of establishing boundary and property lines.
- (4) Reviews measurement observations for the determination of accuracy, completeness, and consistency.
- (5) Reviews field notes and records for application of proper field survey procedures.
- (6) Plans, performs, and reviews field checks and, based on such checks, determines if completed field surveys are accurate and sufficient.

(7) Searches for boundary and control monuments; assists in analyzing field evidence for locating boundary points and lines; identifies and describes such evidence; compares record data to found physical evidence; compares record data to measured data; documents discrepancies; assists in acquiring and documenting testimony regarding boundary locations; recommends boundary location and/or establishment; selects or verifies that the correct controlling monuments are used to locate or establish boundary points and lines; and prepares draft record documents.

(8) Coordinates the fieldwork necessary to prepare maps, plats, reports, descriptions, or other documents.

(9) Recommends when existing boundary monuments are to be replaced, selects the method(s) to be used for replacing and resetting monuments, and prepares field documentation of such work, including that necessary for Parcel Maps, Final Maps, Record of Survey Maps, and Corner Records.

(10) Functions as a party chief, chief of parties, or lead person in charge of field crew(s) in the performance of field surveys.

(11) Plans and performs field observations using Global Positioning System technology and determines if completed field surveys are accurate and sufficient in geodetic and land surveying applications.

(12) Performs surveys to facilitate the location or construction of infrastructure and fixed works of improvement.

The enumeration of the above tasks does not preclude the Board from awarding “responsible field training” credit for training of a similar character in other current or future land surveying activities not specifically enumerated herein. It is also understood that the listed tasks are only some of those that may be considered as responsible training, and that this list is not in any way intended to enumerate all of the tasks which may be performed by licensed Professional Land Surveyors.

(d) For purposes of Section 8742 of the Code, the term “responsible office training” experience may include, but is not limited to, the land surveying activities listed below. Under the responsible charge, direction, and review of a person authorized to practice land surveying, the applicant:

(1) Performs the planning and analysis necessary for the preparation of survey documents, such as Parcel Maps, Final Maps, Record of Survey Maps, Corner Records, legal descriptions, topographic maps, plat maps, lot line adjustments, annexations, and boundary line agreements.

(2) Reduces and evaluates field data.

(3) Develops procedures and systems for the collection, reduction, adjustment, and use of land surveying data.

(4) Prepares data to be used by field surveyors or field crews.

(5) Coordinates the processing of maps, plats, reports, descriptions, or other documents with local agencies, other licensed surveyors, or County Surveyors Offices.

(6) Coordinates the office work necessary to prepare maps, plats, reports, descriptions, or other documents.

(7) Coordinates survey and design efforts for improvement plans as required for sufficiency to enable proper location of improvements in the field.

(8) Researches public and private records to obtain survey and title data.

Attachment A - Item 4 (cont.)

(9) Performs boundary analysis and determination using record descriptions, survey, and title data.

(10) Plans and coordinates the application of Global Positioning System technology for geodetic and land surveying applications.

(11) Plans, coordinates, performs, and reviews the entry of property boundary related geo-referenced data into an electronic database.

(12) Prepares topographic mapping utilizing photogrammetric methods.

The enumeration of the above tasks does not preclude the Board from awarding “responsible office training” credit for training of a similar character in other current or future land surveying activities not specifically enumerated herein. It is also understood that the listed tasks are only some of those that may be considered as responsible training, and that this list is not in any way intended to enumerate all of the tasks which may be performed by licensed professional land surveyors.

(e) Computation of qualifying experience for a license as a professional land surveyor shall be to the date of filing of the application, or it shall be to the final filing date announced for the examination if the application is filed within a period of thirty (30) days preceding the final filing date announced for such examination.

(f) An applicant for licensure as a land surveyor who holds a valid and unexpired license as a civil engineer is exempt from the application requirements of subdivisions (b), (c), and (d) of this section provided he or she submits sufficient documentation that he or she has a minimum of two years of actual broad based progressive experience in land surveying as required by Business and Professions Code Section 8742(a)(3).



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**PROFESSIONAL LAND SURVEYOR
ENGAGEMENT RECORD AND REFERENCE FORM**

This form must be submitted for each engagement claimed as qualifying experience. Each engagement being claimed as qualifying experience must be summarized on a separate Engagement Record and Reference Form. "SEE ATTACHED" and resumés are not acceptable in lieu of this form. **Part A of this form must be typed, or it will be returned to applicant.**

The original of this form must be mailed to the Board Office postmarked by the Final Filing Date. Failure to have all documents in the Board Office by the final filing date will result in the Applicant not being set to the current examination.

A copy of the Information Collection, Access, and Disclosure Notice must be provided by the applicant to the reference.

PART A - TO BE COMPLETED BY THE APPLICANT

I, the Applicant, hereby demonstrate qualifying experience as required by the Business and Professions Code and the California Code of Regulations, as detailed below.

Last Name		First Name		Middle Name	
Address of Record (Mailing Address):			City	State	Country
Birth Date (MM/DD/YYYY):		E-Mail Address:			
Daytime Phone Number (including area code & extension):			Evening Phone Number (including area code):		Cell Phone Number (including area code):
Engagement Number 1	TOTAL TIME WORKED IN MONTHS (for this engagement)		Employer's Name:		
	DATES (MM/DD/YYYY)		Employer's Address:		
	From:	To:	City/State/Zip:		
	04/12/2003	03/18/2012	107		
RESPONSIBLE TRAINING		MONTHS		Reference's Name:	
How many of the total months above are claimed as responsible field training for this engagement?		60		Reference's Address:	
How many of the total months above are claimed as responsible office training for this engagement?		12		Reference's Phone (including area code & extension):	

All of the following items must be completed.
 Description of Land Surveying Tasks & Duties:
 Boundary analysis, Plotting Legal descriptions, Reviewing Prepared ALTAs for issue, Research of survey records, Construction staking Calculations, Construction staking, ALTA field work

Level of Responsibility (i.e., rod person, instrument person, party chief, survey computations, map preparation, etc.):
 Party Chief

Description of Land Surveying Decisions Made:
 Determination of information to pick up for an ALTA, Identifying problems with Construction plans and Resolving problems with the engineer

** Qualifying experience claimed for this Engagement includes only subordinate level land surveying. It does not overlap with credit claimed for education. It does not include overtime, training, orientation, non-surveying work, or summer work while a student. Qualifying experience may be less than the total number of months worked; it is computed by Total Months Worked less Non-Qualifying Experience. Qualifying experience means land surveying employment that requires the applicant to use sound judgment in making land surveying decisions and contributes to progress towards becoming a Professional Land Surveyor.

Signature of Applicant _____

Date: _____

I, the Reference, confirm that I have reviewed the information contained on Part A of this form.
 Signature of Reference _____

Date: _____



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A copy of the Information Collection, Access, and Disclosure Notice must be provided by the applicant to the reference.

PART A - TO BE COMPLETED BY THE APPLICANT

I, the Applicant, hereby demonstrate qualifying experience as required by the Business and Professions Code and the California Code of Regulations, as detailed below.

Last Name		First Name		Middle Name	
Address of Record (Mailing Address):		City	State	Zip Code	Country
Birth Date (MM/DD/YYYY):		E-Mail Address:			
Daytime Phone Number (including area code & extension):		Evening Phone Number (including area code):		Cell Phone Number (including area code):	
Engagement Number 3	TOTAL TIME WORKED IN MONTHS (for this engagement)		Employer's Name:		
	DATES (MM/DD/YYYY)		Employer's Address:		
	From:	To:	City/State/Zip:		
	12/01/2008	12/01/2009	12		
RESPONSIBLE TRAINING			Applicant's Title:		
How many of the total months above are claimed as responsible field training for this engagement?		MONTHS	Crew Chief		
How many of the total months above are claimed as responsible office training for this engagement?		6	Reference's Name:		
		6	Reference's Address:		
			City/State/Zip:		
			Reference's Phone (including area code & extension):		

All of the following items must be completed.

Description of Land Surveying Tasks & Duties:
Job research, prepare legal description, construction calculations, boundary resolution, traverse adjustment, final map review, tentative and final parcel maps, record of survey managed and directed field crew in completed of ALTA, topographic, and construction staking.

Level of Responsibility (i.e., rod person, instrument person, party chief, survey computations, map preparation, etc.):
Crew Chief

Description of Land Surveying Decisions Made:
Made the call in the field about accuracy and precision; when to use a total station or gps, made sure the specific alta standards were met before leaving a site, chose the correct types of monuments to be set as property corners, made sure there were adequate measurements for an accurate topographic survey. Boundary resolution and boundary control monumentation. When to file corner record for record of survey.

** Qualifying experience claimed for this Engagement includes only subordinate level land surveying. It does not overlap with credit claimed for education. It does not include overtime, training, orientation, non-surveying work, or summer work while a student. Qualifying experience may be less than the total number of months worked; it is computed by Total Months Worked less Non-Qualifying Experience. Qualifying experience means land surveying employment that requires the applicant to use sound judgment in making land surveying decisions and contributes to progress towards becoming a Professional Land Surveyor.

Signature of Applicant _____

Date: _____

I, the Reference, confirm that I have reviewed the information contained on Part A of this form.

Signature of Reference _____

Date: _____





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A copy of the Information Collection, Access, and Disclosure Notice must be provided by the applicant to the reference

PART A – TO BE COMPLETED BY THE APPLICANT

I, the Applicant, hereby demonstrate qualifying experience as required by the Business and Professions Code and the California Code of Regulations, as detailed below.

Last Name		First Name		Middle Name	
Address of Record (Mailing Address):		City	State	Zip Code	Country
Birth Date (MM/DD/YYYY):		E-Mail Address:			
Daytime Phone Number (including area code & extension):		Evening Phone Number (including area code):		Cell Phone Number (including area code):	
Engagement Number 2	TOTAL TIME WORKED IN MONTHS (for this engagement)		Employer's Name:		
	DATES (MM/DD/YYYY)		Employer's Address:		
	From:	To:	City/State/Zip:		
	01/25/2010	08/14/2011	20		
Applicant's Title:		Survey Coordinator			
RESPONSIBLE TRAINING		MONTHS		Reference's Name:	
How many of the total months above are claimed as responsible field training for this engagement?		4		Reference's Address:	
How many of the total months above are claimed as responsible office training for this engagement?		16		City/State/Zip:	
				Reference's Phone (including area code & extension):	

All of the following items must be completed.

Description of Land Surveying Tasks & Duties:

Researched public and private records to obtain survey and title information used to determine and establish project boundaries, easement locations and site control. Reviewed and evaluated field data in an effort to determine if survey data was accurate and complete for the creation of topographical maps, legal descriptions, survey plats and ALTA/ACSM land title surveys. Coordinated both field work and office work needed prepare plats, descriptions and land survey maps.

Level of Responsibility (i.e., rod person, instrument person, party chief, survey computations, map preparation, etc.):

survey computations, preparation of land survey maps, land survey plats and legal descriptions, survey coordination.

Description of Land Surveying Decisions Made:

Establishment of property line and/or boundaries of parcels, easements and right-of-way for use in land survey maps.

**** Qualifying experience claimed for this Engagement includes only subordinate level land surveying. It does not overlap with credit claimed for education. It does not include overtime, training, orientation, non-surveying work, or summer work while a student. Qualifying experience may be less than the total number of months worked; it is computed by Total Months Worked less Non-Qualifying Experience. Qualifying experience means land surveying employment that requires the applicant to use sound judgment in making land surveying decisions and contributes to progress towards becoming a Professional Land Surveyor.**

Signature of Applicant _____

Date _____

I, the Reference, confirm that I have reviewed the information contained on Part A of this form.

Signature of Reference _____

Date _____

Applicant's Full Name: [REDACTED]

PART B - TO BE COMPLETED BY REFERENCE

PLEASE PRINT CLEARLY AND COMPLETE THE ENTIRE FORM.
INCOMPLETE FORMS MAY CAUSE THE APPLICANT TO BE DEEMED INELIGIBLE.

You, as the reference, may request additional experience information from the applicant, including the Board's licensing requirements as contained in the Business and Professions Code and the California Code of Regulations. You must personally complete, sign, seal or stamp, and return this both Part A and Part B of this form to the applicant in a sealed envelope.

My relation with the Applicant has been/is: (check all that apply)
 Employer/Supervisor In Responsible Charge*
 Co-Worker/Associate* Reviewed Work* Other*

Are you related to this Applicant by blood, marriage, or adoption? YES* NO

Do you verify the Applicant's total experience on Part A, including employment dates? (Refer to Board Rule 425 [16 CCR §425].) YES NO*

Do you verify the Applicant's responsible field training on Part A, including number of months? (Refer to Board Rule 425 [16 CCR §425].) YES NO*

Do you verify the Applicant's responsible office training on Part A, including number of months? (Refer to Board Rule 425 [16 CCR §425].) YES NO*

State the last date you directly or indirectly observed the Applicant performing land surveying duties: [REDACTED]
I observed the applicant: DIRECTLY INDIRECTLY*

Do you consider the Applicant technically qualified to practice as a licensed Professional Land Surveyor? YES NO* DO NOT KNOW*

*Explain in detail all responses marked with an asterisk in this section. Also, include any additional information about the Applicant's land surveying experience, capabilities, or limitations. ATTACH ADDITIONAL SHEETS IF NEEDED. If you and the applicant currently have different employers, please explain how you know of the applicant's experience.

FIELD TRAINING: DURING APPLICANTS EMPLOYMENT UNDER MY SUPERVISION, HE HAD NO QUALIFYING FIELD EXPERIENCE, ANY OF THE VERY FEW DAYS HE WORKED IN THE FIELD HE WAS NOT IN RESPONSIBLE CHARGE, OR MAKING DECISIONS REGARDING SURVEY WORK PERFORMED.

REVIEWED WORK: I WAS [REDACTED] DIRECT SUPERVISOR AND REVIEWED HIS OFFICE WORK, LEGAL DESCRIPTIONS, MAPPING, ETC...

Your Name [REDACTED]
Lic. No./Exp. Date [REDACTED]
Branch/State [REDACTED]
Your Title [REDACTED]
Your Company Name [REDACTED]
Address [REDACTED]
City/State/Zip [REDACTED]
Phone [REDACTED] Ex [REDACTED]



I certify under penalty of perjury that I have read and understand the laws, rules, and regulations regarding licensure as a Professional Land Surveyor relative to this applicant's qualifications and that this document accurately reflects my opinion and knowledge of the applicant's qualifications, professional integrity, ability, and fitness to be licensed as a Professional Land Surveyor. I also certify under penalty of perjury that I am authorized to practice land surveying and that the forgoing statements are true and correct to the best of my knowledge.

Signature of Reference: [REDACTED]

Date: [REDACTED]



BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

2535 Capitol Oaks Drive, Suite 300, Sacramento, California, 95833-2944

Telephone: (916) 263-2222 - Toll Free: 1-866-780-5370

Facsimile: (916) 263-2246

www.pels.ca.gov & www.geology.ca.gov



**PROFESSIONAL LAND SURVEYOR
ENGAGEMENT RECORD AND REFERENCE FORM**

This form must be submitted for each engagement claimed as qualifying experience. Each engagement being claimed as qualifying experience must be summarized on a separate Engagement Record and Reference Form. "SEE ATTACHED" and resumés are not acceptable in lieu of this form. **Part A of this form must be typed, or it will be returned to applicant.**

The original of this form must be mailed to the Board Office postmarked by the Final Filing Date. Failure to have all documents in the Board Office by the final filing date will result in the Applicant not being set to the current examination.

A copy of the Information Collection, Access, and Disclosure Notice must be provided by the applicant to the reference.

PART A - TO BE COMPLETED BY THE APPLICANT					
I, the Applicant, hereby demonstrate qualifying experience as required by the Business and Professions Code and the California Code of Regulations, as detailed below.					
Last Name		First Name		Middle Name	
Address of Record (Mailing Address):		City	State	Zip Code	Country
Birth Date (MM/DD/YYYY):		E-Mail Address:			
Daytime Phone Number (including area code & extension):		Evening Phone Number (including area code):		Cell Phone Number (including area code):	
Engagement Number 2	TOTAL TIME WORKED IN MONTHS (for this engagement)			Employer's Name:	
	DATES (MM/DD/YYYY)		TOTAL MONTHS	Employer's Address:	
	From:	To:	26	City/State/Zip:	
03/08/2006		05/08/2009		Applicant's Title: CHIEF OF PARTIES	
RESPONSIBLE TRAINING		MONTHS		Reference's Name:	
How many of the total months above are claimed as responsible field training for this engagement?		13		Reference's Address:	
How many of the total months above are claimed as responsible office training for this engagement?		13		City/State/Zip:	
Reference's Phone (including area code & extension):					
All of the following items must be completed.					
Description of Land Surveying Tasks & Duties:					
FIELD: BOUNDARY SURVEYS, CONSTRUCTION CALCULATIONS & STAKE OUT, CREATE AND OR ESTABLISH HORIZONTAL BASELINES & VERTICAL NETWORKS.					
OFFICE: BOUNDARY SURVEYS, CONSTRUCTION CALCULATIONS, TRAVERSE ADJUSTMENTS, SCHEDULE & MAINTAIN CALIBRATION OF LEVELS & TOTAL STATIONS, DEED RESEARCH.					
Level of Responsibility (i.e., rod person, instrument person, party chief, survey computations, map preparation, etc.):					
PARTY CHIEF					
Description of Land Surveying Decisions Made:					
REVIEW FIELD NOTES FOR ACCURACY AND COMPLETENESS, TRAVERSE ADJUSTMENTS, BOUNDARY DECISIONS, COORDINATE FILES FOR STAKE OUT					

** Qualifying experience claimed for this Engagement includes only subordinate level land surveying. It does not overlap with credit claimed for education. It does not include overtime, training, orientation, non-surveying work, or summer work while a student. Qualifying experience may be less than the total number of months worked; it is considered as qualifying experience. Qualifying experience means land surveying employment that requires the applicant to use his or her skills and contributes to progress towards becoming a Professional Land Surveyor.

Signature of Applicant _____

Date: _____

I, the Reference, confirm that I have reviewed the information contained on Part A of this form.

Signature of Reference _____

Date: _____



BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

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**PROFESSIONAL LAND SURVEYOR
ENGAGEMENT RECORD AND REFERENCE FORM**

This form must be submitted for each engagement claimed as qualifying experience. Each engagement being claimed as qualifying experience must be summarized on a separate Engagement Record and Reference Form. "SEE ATTACHED" and resumés are not acceptable in lieu of this form. **Part A of this form must be typed, or it will be returned to applicant.**

The original of this form must be mailed to the Board Office postmarked by the Final Filing Date. Failure to have all documents in the Board Office by the final filing date will result in the Applicant not being set to the current examination.

A copy of the Information Collection, Access, and Disclosure Notice must be provided by the applicant to the reference

PART A – TO BE COMPLETED BY THE APPLICANT

I, the Applicant, hereby demonstrate qualifying experience as required by the Business and Professions Code and the California Code of Regulations, as detailed below.

Last Name		First Name		Middle Name	
Address of Record (Mailing Address):		City	State	Zip Code	Country
Birth Date (MM/DD/YYYY):		E-Mail Address:			
Daytime Phone Number (including area code & extension):		Evening Phone Number (including area code):		Cell Phone Number (including area code):	
Engagement Number 2	TOTAL TIME WORKED IN MONTHS (for this engagement)		Employer's Name:		
	DATES (MM/DD/YYYY)		Employer's Address:		
	From:	To:	TOTAL MONTHS	City/State/Zip:	
	02/01/2010	03/31/2011	14	Applicant's Title: Project Surveyor	
RESPONSIBLE TRAINING		MONTHS		Reference's Name:	
How many of the total months above are claimed as responsible field training for this engagement?		14		Reference's Address:	
How many of the total months above are claimed as responsible office training for this engagement?		0		City/State/Zip:	
Reference's Phone (including area code & extension):					

All of the following items must be completed.

Description of Land Surveying Tasks & Duties:

Responsible for multiple Field Crews; Directed personnel in the collection of survey data necessary for the completion of Topographic, Utility, and Mapping Projects; In charge of reviewing field notes for completeness and accuracy; Responsible for reviewing record maps for the use in locating survey monuments; Performed field checks to determine field survey accuracy and completeness; Performed Boundary surveys and searched for boundary controlling monuments; Performed Construction Staking for buildings and improvements; Performed GPS surveys and post-processing of GPS data. Responsible for the training of new Field employees and establishing operation standards of new survey equipment.

Level of Responsibility (i.e., rod person, instrument person, party chief, survey computations, map preparation, etc.):

Project Surveyor, Party Chief, Instrument Person, Rod Person

Description of Land Surveying Decisions Made:

Responsible for determining the Field Survey methods and the level of accuracy required; Determined the relevance of survey monuments for the purpose of establishing property lines and right-of-ways; Determined the location of Construction Stakes for buildings and improvements; Determined field accuracy and completeness of surveys.

** Qualifying experience claimed for this Engagement includes only subordinate level land surveying. It does not overlap with credit claimed for education. It does not include overtime, training, or work while a student. Qualifying experience may be less than the total number of months worked; it is computed by the applicant to use sound judgment. Qualifying experience means land surveying employment that requires the applicant to use sound judgment and contributes to progress towards becoming a Professional Land Surveyor.

Signature of Applicant _____

Date: _____

I, the Reference, confirm that I have reviewed the information contained on Part A of this form.

Signature of Reference _____

Date: _____

Applicant's Full Name: _____

PART B - TO BE COMPLETED BY REFERENCE

PLEASE PRINT CLEARLY AND COMPLETE THE ENTIRE FORM.
INCOMPLETE FORMS MAY CAUSE THE APPLICANT TO BE DEEMED INELIGIBLE.

You, as the reference, may request additional experience information from the applicant, including the Board's licensing requirements as contained in the Business and Professions Code and the California Code of Regulations. You must personally complete, sign, seal or stamp, and return this both Part A and Part B of this form to the applicant in a sealed envelope.

My relation with the Applicant has been/is: (check all that apply)
 Employer/Supervisor In Responsible Charge*
 Co-Worker/Associate* Reviewed Work* Other*

Are you related to this Applicant by blood, marriage, or adoption? YES* NO

Do you verify the Applicant's total experience on Part A, including employment dates? (Refer to Board Rule 425 [16 CCR §425].) YES NO*

Do you verify the Applicant's responsible field training on Part A, including number of months? (Refer to Board Rule 425 [16 CCR §425].) YES NO*

Do you verify the Applicant's responsible office training on Part A, including number of months? (Refer to Board Rule 425 [16 CCR §425].) YES NO*

State the last date you directly or indirectly observed the Applicant performing land surveying duties: _____
I observed the applicant: DIRECTLY INDIRECTLY*

Do you consider the Applicant technically qualified to practice as a licensed Professional Land Surveyor? YES NO* DO NOT KNOW*

***Explain in detail all responses marked with an asterisk in this section. Also, include any additional information about the Applicant's land surveying experience, capabilities, or limitations. ATTACH ADDITIONAL SHEETS IF NEEDED. If you and the applicant currently have different employers, please explain how you know of the applicant's experience.**

Your Name _____
Lic. No./Exp. Date _____
Branch/State _____
Your Title _____
Your Company Name _____
Address _____
City/State _____
Phone _____

PLEASE AFFIX YOUR PROFESSIONAL SEAL OR STAMP HERE



I certify under penalty of perjury that I have read and understand the laws, rules, and regulations regarding licensure as a Professional Land Surveyor relative to this applicant's qualifications and that this document accurately reflects my opinion and knowledge of the applicant's qualifications, professional integrity, ability, and fitness to be licensed as a Professional Land Surveyor. I also certify under penalty of perjury that I am authorized to practice land surveying and that the foregoing statements are true and correct to the best of my knowledge.

Signature _____ Date: _____
Reference _____

5. Review the sections of the Subdivision Map Act (SMA) including the releasing of the surveyor responsibility for monuments shown to be set on maps and recommend changes to the SMA or regulation, if deemed necessary (Possible Action)

Attachment A - Item 5

Government Code Division 2, Article 9

§66498. In the event of the death, disability or retirement from practice of the engineer or surveyor charged with the responsibility for setting monuments, or in the event of his refusal to set such monuments, the legislative body may direct the county surveyor or city engineer, or such engineer or surveyor as it may select, to set such monuments. **If the original engineer or surveyor is replaced by another, the former may, by letter to the county surveyor or city engineer, release his obligation to set the final monuments to the surveyor or engineer who replaced him.** When the monuments are so set, the substitute engineer or surveyor shall amend any map filed pursuant to this division in accordance with the provisions of Sections 66469 to 66472, inclusive. All provisions of this article relating to payment shall apply to the services performed by the substituted engineer or surveyor.

§66497. Within five days after the final setting of all monuments has been completed, the engineer or surveyor shall give written notice to the subdivider, and to the city engineer or the county surveyor or any other public official or employee authorized to receive these notices, that the final monuments have been set. Upon payment to the engineer or surveyor for setting the final monuments, the subdivider shall present to the legislative body evidence of the payment and receipt thereof by the engineer or surveyor. In the case of a cash deposit, the legislative body shall pay the engineer or surveyor for the setting of the final monuments from the cash deposit, if so requested by the depositor. If the subdivider does not present evidence to the legislative body that the engineer or surveyor has been paid for the setting of the final monuments, and if the engineer or surveyor notifies the legislative body that payment has not been received from the subdivider for the setting of the final monuments, the legislative body shall, within three months from the date of the notification, pay to the engineer or surveyor from any deposit the amount due.

6. Review Corner Record requirements as specified in Board Rule 464 for possible changes (Possible Action)

EX-119 SEP17/12 PM 2:38

September 13, 2012

Rick Moore, PLS
Board for Professional Engineers, Land Surveyors
And Geologists
2535 Capitol Oaks Drive, Suite 300
Sacramento, CA 95833-2944

Re: Revisions to the Corner Record Form

Dear Mr. Moore:

According to the LS Act the Corner Record (CR) form is under the control of The Board. This form has changed quite a few times over the years and I would like to request that The Board consider some new changes:

1. About ¼ of the way down Page 1 there are 5 boxes following "Corner." One is supposed to check the box most appropriate to the situation at hand. However, as an employee of a public agency that is actively submitting dozens of CRs each month to various Bay Area Counties, none of the 5 boxes are appropriate for what we do. Typically we set 4 new reference points for a street monument that might be impacted by new water line construction. We don't "Rebuild" it, or Re-establish" it, etc. None of the boxes apply. We find the street monument then set new reference points. We suggest that a sixth box be added: "Referenced." It's a simple addition and would be very useful for many, if not most, of the CRs being produced around the state.
2. On Pg. 1, below the above set of boxes to choose from, there are two sets of lines in the middle, presumably put there during the typewriter era, and/or for those who fill in that section by hand. Since most licensees produce their CRs using Microsoft Work, it would be so much neater to not have those lines and just use word wrap. It would be cleaner and allow for more lines of text.
3. It is impossible to line up your wet stamp with the "seal guide circle" at the bottom right side of Page 1. Is it permissible to delete it so that the wet stamp comes out clear and uncluttered?
4. On Pg. 2 is it permissible to eliminate the grid? I've noticed that most firms already delete the grid and just insert their CAD drawing. Doing so makes it far more readable, in fact the grid detracts a great deal from the legibility and clarity.

Most firms are already deleting the seal guide circle and the grid lines. We would like to make these simple, but useful changes with the blessing of The Board. I look forward to hearing from you.



R. Lee Hixson, PLS 4806
1497 Gray Avenue
Yuba City, CA 95991
rlhixson@comcast.net

464. Corner Record.

(a) The corner record required by Section 8773 of the Code for the perpetuation of monuments shall contain the following information for each corner identified therein:

- (1) The county and, if applicable, city in which the corner is located.
- (2) An identification of the township, range, base, and meridian in which the corner is located, if applicable.
- (3) Identification of the corner type (example: government corner, control corner, property corner, etc.).
- (4) Description of the physical condition of
 - (A) the monument as found and
 - (B) any monuments set or reset.
- (5) The date of the visit to the monument when the information for the corner record was obtained.
- (6) For Public Land Corners for which a corner record is required by Section 8773(a) of the Code, a sketch shall be made showing site recovery information that was used for the corner. For other kinds of corners, a drawing shall be made which shows measurements that relate the corner to other identifiable monuments.
- (7) A reference to the California Coordinate System is optional at the discretion of the preparer of the record.
- (8) The date of preparation of the corner record and, as prescribed by Section 8773.4 of the Code, the signature and title of the chief of the survey party if the corner record is prepared by a United States Government or California State agency or the signature and seal of the land surveyor or civil engineer, as defined in Section 8731 of the Code, preparing the corner record.
- (9) The date the corner record was filed and the signature of the county surveyor.
- (10) A document or filing number.

(b) A corner record shall be filed for each public land survey corner which is found, reset, or used as control in any survey by a land surveyor or a civil engineer. Exceptions to this rule are identified in Section 8773.4 of the Code.

(c) The corner record shall be filed within 90 days from the date a corner was found, set, reset, or used as control in any survey. The provisions for extending the time limit shall be the same as provided for a record of survey in Section 8762 of the Code.

(d) A corner record may be filed for any property corner, property controlling corner, reference monument, or accessory to a property corner, together with reference to record information. Such corner record may show one or more property corners, property controlling corners, reference monuments, or accessories to property corners on a single corner record document so long as it is legible, clear, and understandable.

(e) When conducting a survey which is a retracement of lines shown on a subdivision map, official map, or a record of survey, where no material discrepancies with these records are found and where sufficient monumentation is found to establish the precise location of property corners thereon, a corner record may be filed in lieu of a record of survey for any property corners which are set or reset or found to be of a different character than indicated by prior records. Such corner records may show one or more property corners, property controlling corners, reference monuments or accessories to property corners on a single corner record document so long as it is legible, clear, and understandable.

Attachment B - Item 6 (cont)

(f) The standard markings and standard abbreviations used by the Bureau of Land Management (formerly the General Land Office) of the United States Department of the Interior shall be used in the corner record.

(g) The corner record shall be filed on a form prescribed by the Board. The approved form is BORPELS-1297.

CORNER RECORD

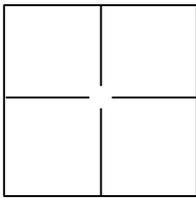
Attachment C - Item 6

Document Number _____

City of _____

County of _____, California

Brief Legal Description _____



CORNER TYPE

Government Corner Control
 Meander Property
 Rancho Other

Date of Survey _____

COORDINATES(Optional)

N. _____
 E. _____
 Zone _____ NAD27 NAD83
 NAD83 Epoch _____
 Elev. _____
 Vert. Datum: NGVD29 NADV88
 Meas. Units: Metric Imperial

Corner - Left as found Found and tagged Established Reestablished Rebuilt

Identification and type of corner found: Evidence used to identify or procedure used to establish or reestablish the corner:

A description of the physical condition of the monument as found and as set or reset: _____

SURVEYOR'S STATEMENT

This Corner Record was prepared by me or under my direction in conformance with
 the Land Surveyor's Act on _____, _____.

Signed _____ P.L.S. or R.C.E. No.: _____



COUNTY SURVEYOR'S STATEMENT

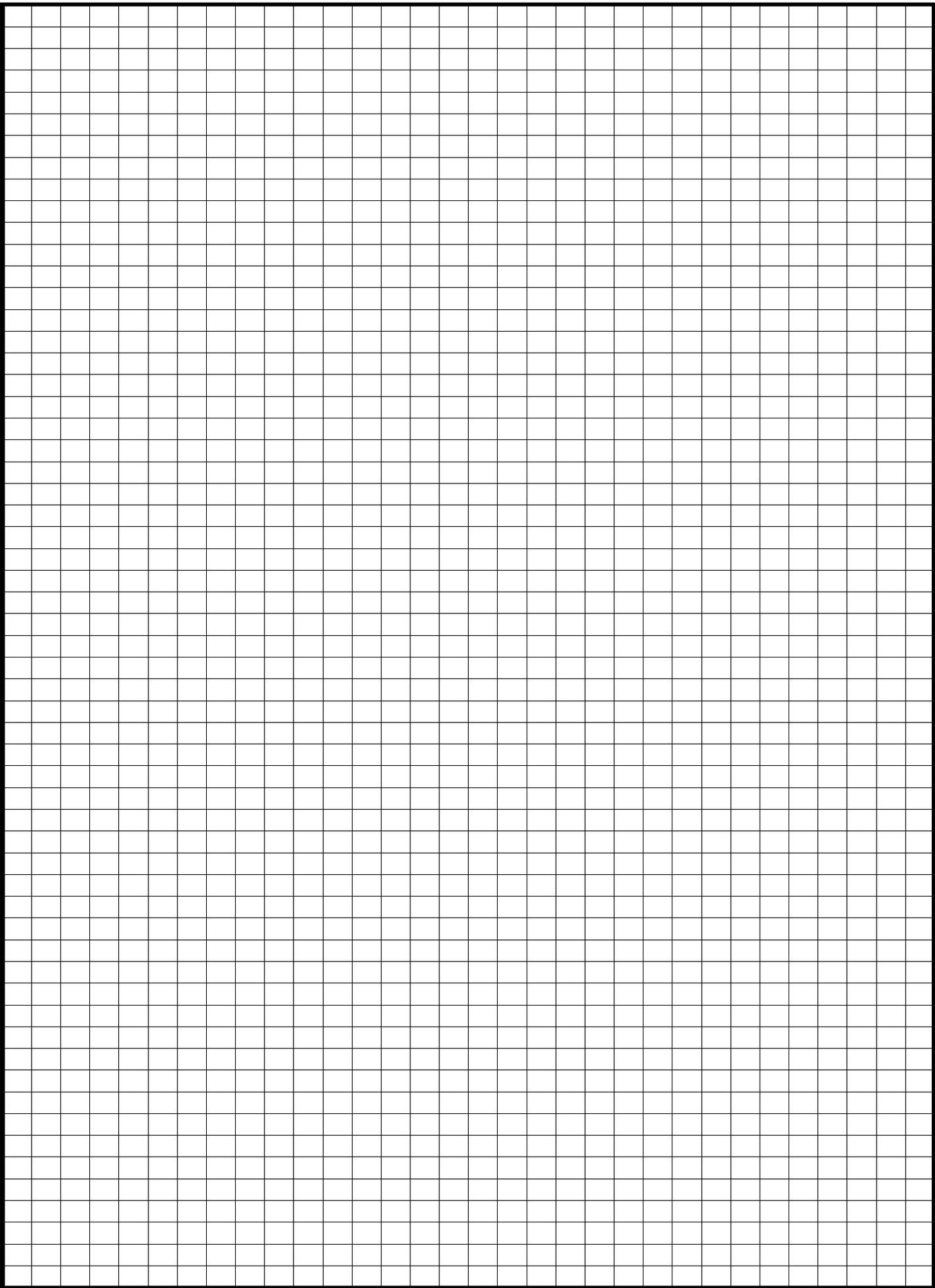
This Corner Record was received _____, _____ and examined
 and filed _____, _____.

Signed _____ P.L.S. or R.C.E. No.: _____

Title _____



County Surveyor's Comment _____



7. Review portions of recently approved SB 1576, as pertaining to the practice of land surveying (Possible Action)

Senate Bill No. 1576

CHAPTER 661

An act to amend Sections 5070.1, 5072, 5076, 5093, 5094.6, 5107, 6795, 7011.8, 7076, 8741, 8762, 8773, 9880.2, 9882.14, 12012, 12012.1, 12024.11, 12027, 12104, 12104.5, 12105, 12106.5, 12107, 12107.1, 12108, 12201, 12201.2, 12202, 12203, 12205, 12210.5, 12212, 12214, 12314, 12500.5, 12500.6, 12500.8, 12609, 12610, 12706, 12708, 12722, 12723, 12727, 12735, 13403, 13440, 13450, 13460, 13461, 13480, and 13710 of, to amend and renumber Section 12736 of, to add Section 9807 to, to repeal Section 13302 of, and to repeal and add Section 5019 of, the Business and Professions Code, relating to professions and vocations.

[Approved by Governor September 27, 2012. Filed with
Secretary of State September 27, 2012.]

LEGISLATIVE COUNSEL'S DIGEST

SB 1576, Committee on Business, Professions and Economic Development. Professions and vocations.

Existing law provides for the licensure and regulation of professions and vocations by boards within the Department of Consumer Affairs.

(1) Existing law provides for the licensure and regulation of the practice of accountancy by the California Board of Accountancy. Under existing law, permits to engage in the practice of public accountancy are required to be issued by the board only to holders of the certificate of certified public accountant, and to those partnerships, corporations, and other persons who, upon application approved by the board, are registered with the board.

Under existing law, the rules of professional conduct adopted by the board are required to be printed as a part of the application blanks for both certificates and registration and every applicant for either a certificate or registration is required to subscribe thereto when making an application.

This bill would require such an applicant to acknowledge the fact that the applicant has read and understands the rules of professional conduct adopted by the board.

Existing law authorizes a partnership, except as specified, to be registered by the board to engage in the practice of public accountancy provided it meets certain requirements, including, but not limited to, that each partner personally engaged within this state in the practice of public accountancy has a valid permit or certificate to practice in this state and that, except as specified, each partner not personally engaged in the practice of public accountancy within this state is required to be a certified public accountant in good standing of some state.

This bill would modify those requirements to instead include that each partner engaged within this state in the practice of public accountancy has

executive officer and secretary of the board to carry out the duties delegated by the board. Under existing law, any person who reports to or causes a complaint to be filed with the board that a licensee has engaged in professional misconduct, knowing that complaint to be false, is guilty of a crime. Existing law authorizes the board to notify the district attorney or city attorney that a person has made what the board believes is a false report or complaint.

This bill would limit application of those provisions to any person licensed by the board and would instead authorize the registrar to issue a citation to such a person.

(3) Existing law, the Professional Land Surveyors' Act, provides for licensing and regulation of land surveyors by the Board for Professional Engineers, Land Surveyors, and Geologists. Existing law specifies the examinations required to obtain a license, with certain exemptions for registered professional engineers and certain engineers-in-training.

This bill would limit that exemption to persons who were registered as California civil engineers.

Existing law requires a licensed land surveyor to sign a corner record, other than lost corners, as defined.

This bill would revise the references in these provisions to a manual issued by the United States Bureau of Land Management.

Existing law requires a licensed land surveyor or licensed civil engineer, after making a field survey, to file with the county surveyor a record of the survey if, among other things, it discloses the establishment of one or more points or lines not shown on any subdivision map, official map, or record of survey, as specified.

This bill would also require the field survey to be filed with the county surveyor if it discloses the location, relocation, reestablishment, or retracement of one or more points or lines not shown on any subdivision map, official map, or record of survey.

Existing law provides for renewal of certificates of registration and authority for professional engineers to be renewed every 2 years, with renewals staggered on a monthly basis.

This bill would require renewals to be staggered on a quarterly basis.

(4) Existing law provides for licensing and regulation of service dealers by the Bureau of Electronic and Appliance Repair, Home Furnishings, and Thermal Insulation. Existing law provides for licensing and regulation of automotive repair dealers by the Bureau of Automotive Repair, and requires that bureau to cooperate with the Office of Traffic Safety relative to the adoption of standards for the installation of ignition interlock devices on motor vehicles.

This bill would authorize a service dealer to install, calibrate, service, maintain, and monitor ignition interlock devices, and would exempt a person registered as a service dealer and whose work is limited to the installation or replacement of an ignition interlock device from the requirement to register with the Bureau of Automotive Repair.

SEC. 12. Section 8741 of the Business and Professions Code is amended to read:

8741. (a) The first division of the examination shall test the applicant's fundamental knowledge of surveying, mathematics, and basic science. The board may prescribe by regulation reasonable educational or experience requirements including two years of postsecondary education in land surveying, two years of experience in land surveying, or a combination of postsecondary education and experience in land surveying totaling two years for admission to the first division of the examination. Applicants registered by the board as a California civil engineer are exempt from this division of the examination.

The second division of the examination shall test the applicant's ability to apply his or her knowledge and experience and to assume responsible charge in the professional practice of land surveying.

(b) The applicant for the second division examination shall have successfully passed the first division examination, or shall be exempt therefrom. The applicant shall be thoroughly familiar with (1) the procedure and rules governing the survey of public lands as set forth in Manual of Surveying Instructions (2009), published by the federal Bureau of Land Management and (2) the principles of real property relating to boundaries and conveyancing.

(c) The board may by rule provide for a waiver of the first division of the examination for applicants whose education and experience qualifications substantially exceed the requirements of Section 8742.

(d) The board may by rule provide for a waiver of the second division of the examination and the assignment to a special examination for those applicants whose educational qualifications are equal to, and whose experience qualifications substantially exceed, those qualifications established under subdivision (c). The special examination may be either written or oral, or a combination of both.

SEC. 13. Section 8762 of the Business and Professions Code is amended to read:

8762. (a) Except as provided in subdivision (b), after making a field survey in conformity with the practice of land surveying, the licensed surveyor or licensed civil engineer may file with the county surveyor in the county in which the field survey was made, a record of the survey.

(b) Notwithstanding subdivision (a), after making a field survey in conformity with the practice of land surveying, the licensed land surveyor or licensed civil engineer shall file with the county surveyor in the county in which the field survey was made a record of the survey relating to land boundaries or property lines, if the field survey discloses any of the following:

(1) Material evidence or physical change, which in whole or in part does not appear on any subdivision map, official map, or record of survey previously recorded or properly filed in the office of the county recorder or county surveying department, or map or survey record maintained by the Bureau of Land Management of the United States.

(2) A material discrepancy with the information contained in any subdivision map, official map, or record of survey previously recorded or filed in the office of the county recorder or the county surveying department, or any map or survey record maintained by the Bureau of Land Management of the United States. For purposes of this subdivision, a “material discrepancy” is limited to a material discrepancy in the position of points or lines, or in dimensions.

(3) Evidence that, by reasonable analysis, might result in materially alternate positions of lines or points, shown on any subdivision map, official map, or record of survey previously recorded or filed in the office of the county recorder or the county surveying department, or any map or survey record maintained by the Bureau of Land Management of the United States.

(4) The location, relocation, establishment, reestablishment, or retracement of one or more points or lines not shown on any subdivision map, official map, or record of survey, the positions of which are not ascertainable from an inspection of the subdivision map, official map, or record of survey.

(5) The points or lines set during the performance of a field survey of any parcel described in any deed or other instrument of title recorded in the county recorder’s office are not shown on any subdivision map, official map, or record of survey.

(c) The record of survey required to be filed pursuant to this section shall be filed within 90 days after the setting of boundary monuments during the performance of a field survey or within 90 days after completion of a field survey, whichever occurs first.

(d) (1) If the 90-day time limit contained in subdivision (c) cannot be complied with for reasons beyond the control of the licensed land surveyor or licensed civil engineer, the 90-day time period shall be extended until the time at which the reasons for delay are eliminated. If the licensed land surveyor or licensed civil engineer cannot comply with the 90-day time limit, he or she shall, prior to the expiration of the 90-day time limit, provide the county surveyor with a letter stating that he or she is unable to comply. The letter shall provide an estimate of the date for completion of the record of survey, the reasons for the delay, and a general statement as to the location of the survey, including the assessor’s parcel number or numbers.

(2) The licensed land surveyor or licensed civil engineer shall not initially be required to provide specific details of the survey. However, if other surveys at the same location are performed by others which may affect or be affected by the survey, the licensed land surveyor or licensed civil engineer shall then provide information requested by the county surveyor without unreasonable delay.

(e) Any record of survey filed with the county surveyor shall, after being examined by him or her, be filed with the county recorder.

(f) If the preparer of the record of survey provides a postage-paid, self-addressed envelope or postcard with the filing of the record of survey, the county recorder shall return the postage-paid, self-addressed envelope or postcard to the preparer of the record of survey with the filing data within

10 days of final filing. For the purposes of this subdivision, "filing data" includes the date, the book or volume, and the page at which the record of survey is filed with the county recorder.

SEC. 14. Section 8773 of the Business and Professions Code is amended to read:

8773. (a) Except as provided in subdivision (b) of Section 8773.4, a person authorized to practice land surveying in this state shall complete, sign, stamp with his or her seal, and file with the county surveyor or engineer of the county where the corners are situated, a written record of corner establishment or restoration to be known as a "corner record" for every corner established by the Survey of the Public Lands of the United States, except "lost corners," as defined by the Manual of Surveying Instructions (2009), published by the federal Bureau of Land Management and every accessory to such corner which is found, set, reset, or used as control in any survey by such authorized person.

(b) After the establishment of a lost corner, as defined by the Manual of Surveying Instructions (2009), published by the federal Bureau of Land Management a record of survey shall be filed as set forth in Section 8764.

(c) Any person authorized to practice land surveying in this state may file such corner record for any property corners, property controlling corners, reference monuments, or accessories to a property corner.

SEC. 15. Section 9807 is added to the Business and Professions Code, to read:

9807. (a) Notwithstanding any other provision of law, a service dealer licensed under this chapter may install, calibrate, service, maintain, and monitor ignition interlock devices.

(b) The bureau shall adopt regulations to implement this section consistent with the standards adopted by the Bureau of Automotive Repair and the Office of Traffic Safety under Section 9882.14.

SEC. 16. Section 9880.2 of the Business and Professions Code is amended to read:

9880.2. The following persons are exempt from the requirement of registration:

(a) An employee of an automotive repair dealer if the employee repairs motor vehicles only as an employee.

(b) A person who solely engages in the business of repairing the motor vehicles of one or more commercial, industrial, or governmental establishments.

(c) A person who is registered pursuant to Chapter 20 (commencing with Section 9800) and whose work is limited to the installation or replacement of a motor vehicle radio, antenna, audio recorder, audio playback equipment, ignition interlock device, or burglar alarm.

(d) A person whose primary business is the wholesale supply of new or rebuilt automotive parts who solely engages in the remachining of individual automotive parts without compensation for warranty adjustments to those parts and who does not engage in repairing or diagnosing malfunctions of motor vehicles or motorcycles. "Primary business" means the business that

8. Update on technical and professional societies' legislative activities (Discussion Only)

9. Review selected Board actions from October 11-12, 2012 Board Meeting (If necessary)

10. Review 2012/2013 LSTAC Workplan (Possible Action)

**BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

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**WORK PLAN
TECHNICAL ADVISORY COMMITTEE (PROFESSIONAL LAND SURVEYOR)****INTRODUCTION**

TAC (PLS) recognizes its position as an advisory committee to the Board, providing input to the liaison Board members on matters requested by the Board for Professional Engineers and Land Surveyors. The input may take the form of assistance to Board staff, direct assistance to the liaison Board members, or recommendations made directly to the Board in the form of proposed motions or recommendations. In all cases, the focus of the activities of the TAC (PLS) will be in the interest of safeguarding property and public welfare.

YEAR PLAN

1. To assist the Board staff in the review of applications for licensure as a Professional Land Surveyor.
2. To help clarify "gray" areas in the existing laws, rules, and regulations regarding the practice of land surveying and make recommendations for handling and/or revising the laws, rules, and regulations, where appropriate.
3. To aid in formulating suggested procedures, information required, and questions to be asked with regard to enforcement issues relating to the practice of land surveying, and to advise the Board staff upon review of such enforcement cases.
4. To meet in closed session to address specific consumer and inter-professional complaints, and make recommendations to the Board regarding their solutions.
5. To review proposed legislation that would affect the practice of land surveying.
6. To review ABET matters regarding the practice of land surveying when referred by the Board.
7. To assist with any National Council of Examiners for Engineering and Surveying (NCEES) matters regarding land surveying when referred by the Board.
8. To coordinate with the Board's other Technical Advisory Committees as required by the Board.
9. To review the sections of the Subdivision Map Act (SMA) including the releasing of the surveyor responsibility for monuments shown to be set on maps and recommend changes to the SMA or regulation, if deemed necessary.
10. To assist Board staff in the review of Board Rule 425 - Responsible training and educational requirements and make recommended changes to meet practice standards.

11. Date of Next TAC Meeting – February 8, 2013

12. Other Business Not Requiring Committee Action

13. Adjourn