

LS Review Questions
State Laws

Please cite your references for each of your answers where appropriate

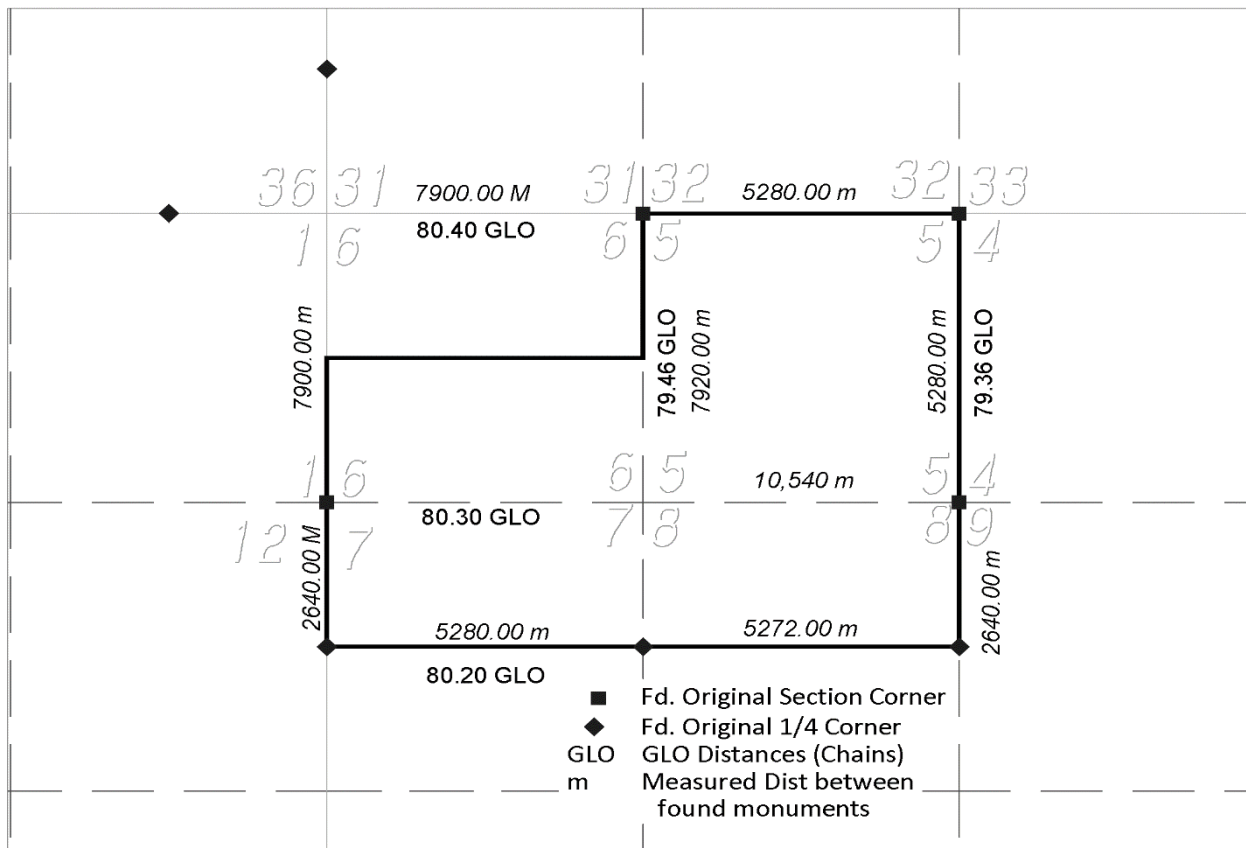
- 1) A project requires the following 8 surveying task; **a contract for the surveying services must be prepared**, the project must be based on State Plane Coordinates, an ALTA survey must be provided, the parcel boundary must be established, **topographic survey of the site must be completed**; **the buildings must be staked**, the public road must be staked, the pad elevations must be certified, and a **flood certificate based on NAVD88 must be prepared**. How many of the items above may a registered Civil Engineer perform?
- a) 1
 - b) 3
 - c) 4**
 - d) 5
 - e) 6

BPC 6731.1, 6731.2, FEMA Elevation Certificates requirements (Although this might be a gray area)

- 2) A client has a parcel of land which contains 250 acres in California Valley. He has 6 children and wishes to create one parcel for each child. Based on his preliminary design only 3 of the parcels would have an approved access to a maintained public Street or highway. What is the minimum requirement to create the 6 parcels?
- a) Prepare legal descriptions, submit to the County Surveyor for review and Recorder for filing
 - b) Prepare certificates of compliance and a record of survey
 - c) Prepare a Large Parcel Tentative map and Record of Survey
 - d) Prepare a Parcel Map**
 - e) Prepare a Final Map**
- If all 6 parcels are created equally, then a parcel map per Gov. 66426(d), otherwise a final map*
- 3) The County has just informed your client that they are going to start the process to merge his parcels through a reversion to acreage process. Your client purchased 4 years ago a through a quick sale, where they sold off a 100 lot subdivision in 3 groups. Your client bought group 1 consisting of 42 lots. The County's argument is that there are no dedications necessary for public purposes and none of the improvements required have been made. What must be true for this to work?
- a) All the owners must consent
 - b) The time for installation of the improvements per the agreement with the governing agency must have lapsed
 - c) There are no roads going through the property**
 - d) The County has already met the requirements for reversion to acreage.
 - e) Either a or b
- Gov. Code 66451.11(b)(5)*
- 4) In completing a Record of Survey you based your directions on two monuments marking one line on an old rancho lot boundary. The two monuments do not show up on any single map, therefore there is no map that shows a bearing between those two maps. The County Surveyor tells you that that basis is not acceptable. You do not agree, what is your most logical option.
- a) Require the County Recorder to force file the map, even if it is in miscellaneous maps.
 - b) Both you and the County Surveyor put notes on the map explaining your reasoning**
 - c) You file a correction certificate with the map
 - d) You request an injunction against the County Surveyor
 - e) You change your basis to a line the County Surveyor is agreeable to.
- Business and Professions Code 8766(b)&(c)*
- 5) The duty of Licensed Land Surveyors to cooperate with governmental agencies in matters of monument preservation and monument location records is stated in which Section of the Business and Professions Code?
- a) 8772
 - b) 8764
 - c) 8771**

d) 8773

- 6) If a land surveying business is to be conducted using a fictitious name
- a) The business may not advertise land surveying.
 - b) An organization record form must be filed with the Board.
 - c) All of the owners must be California licensed land surveyors.
 - d) At least one of the owners must be a California licensed civil engineer.
- BPC 8729(i)



Answer the following 8 questions based on this project shown above

- 7) The agreement requires that Aerial mapping on the project be done with 2 foot contours. You Photogrammetrist indicates that they will be using a plotter with a C-Factor of 2000, A focal Length of 6", the negative size of 9" x 9" and the neat model covers 40% in the direction of the flight and 70% on the sides. The average Terrain elevation is 1250 feet. Minimizing the number of flight lines, what is the number of photos that will be required to complete the aerial mapping.
- a) 9
 - b) 10
 - c) 11
 - d) 12
 - e) 13

- 8) All GLO bearings shown on the Plat were Cardinal, and all the measured directions were close to cardinal. What would be the approximate distance from the NW cor. of Sec. 5 to the west ¼ cor. of Sec. 5?
- 2586 feet
 - 2604 feet
 - 2616 feet**
 - 2640 feet
 - 2676 feet
- 9) How will the west ¼ corner of Section 6 be established?
- Hold proportional distances between the SW cor. Sec 6 to W ¼ cor. Sec. 31 and between the NE cor Sec 6 to the N ¼ Cor. Sec.1 and then intersect them on cardinal directions**
This isn't complete, the above establishes the NW corner of 6. Then you would prorate in the w 14/ corner from that corner to the SW cor of Sec 6
 - Intersect the line from the NE cor. of Sec. 6 to the W ¼ corner of Sec. 1 with the line from the SW cor Sec. 6 to the W ¼ cor. Sec 31.
 - Go record distances from NE cor. And SW cor. Sec. 6 and then intersect them on cardinal directions.
 - Establish the north line between the NE cor. Sec. 6 and the W ¼ corner Sec. 1. Then wherever that line intersects the line from the SW cor. Sec. 6 to the W ¼ cor Sec. 31 would determine the location of the closing corner.
 - Intersect on cardinal directions from the two section corners of Section 6.
- 10) An ALTA is required per the agreement. Nothing was checked on Table "A" of the ALTA/ACSM standards. There are a number of dirt roads, fences and one building along the north line. All of this is visible from the aerial photographs. How are you required to locate these features for the ALTA?
- All the features may be located based on the Aerial topographic survey
 - All the features except the building may be located based on the Aerial topographic survey
 - The roads may be located using the aerial topographic survey but the fences and the building must be located by a ground survey.
 - All of the roads, fences and the building must be located by a ground survey
 - The fences, building and the roads, only within 5 feet of the boundary need to be located based on a ground survey.**
These ALTA are outdated as the current version is 2016. That is what I am using as my basis
- 11) In researching for the ALTA what must be done in order to insure you have the documents required for the boundary retracement?
- Must have the title report as prepared for by the title company for the ALTA
 - Need just eh GLO Notes as it is all PLLS land
 - Based on the standard 2011 ALTA agreement the requestor is required to provide you with all the records you will need to establish the boundary per item #4**
 - You would be responsible to obtain any deeds that you need in order for your boundary retracement including adjoiners.
 - Based on the standard 2011 ALTA agreement, if nothing has been checked on Table "A" you are only required to note and dimension any and all monuments you find along the boundary
- 12) In performing the ALTA and establishing the Boundary what are the requirements as far as monumentation?
- As nothing was checked on Table "A" there is no monumentation required.
 - Based on the found monuments there is no monumentation required
 - The Professional Land Surveyor's Act requires that monuments be set**
 - The ALTA/ACSM standards require the monuments to be set
 - It is up to the client to decide if they want the monuments set based on the standards
- 13) In fact on the project you did set all missing boundary monuments. What else are you required to do?
- Show them on the ALTA
 - File Corner Records
 - File a Record of Survey
 - Show them on the ALTA and file corner records (BPC 8773) & 2016 ALTA Std 5. A.**

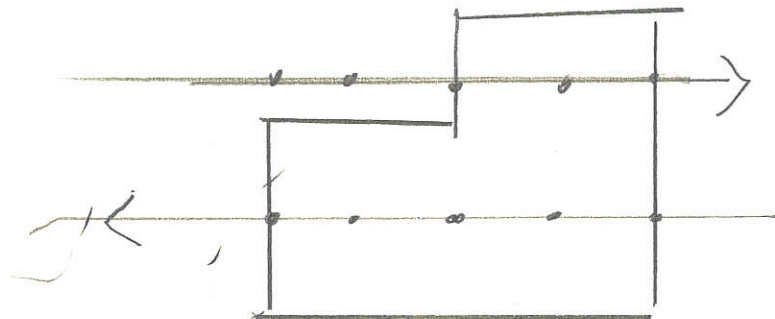
- e) Show them on the ALTA and file a Record of Survey
- 14) Finally, the EPA purchases the property and it wishes to have you process a 5 lot subdivision with lots all approximately the same size. Based on the Subdivision Map Act, this will require:
- a) A tentative and a final map per Section 66426
 - b) A Parcel map per Section 66426
 - c) No map as the EPA is a government entity per 66426.5
 - d) An Official map per 66499.52
 - e) A lot line adjustment per 66412 and 66426.5
- 15) Under which circumstances is a Professional Land Surveyor NOT required to use a written contract?
- a) When the client is referred to the Professional Land Surveyor by a contractor, an engineer or another Professional Land Surveyor.
 - b) When the total fee charged by the Professional Land Surveyor is less than \$500.
 - c) When the client knowingly states in writing after being fully advised of the law that a written contract is not necessary. BPC 8759
 - d) When the total dollar value of the project is under \$1,000
- 16) The exemption allowing non-licensed persons to be in responsible charge of land surveying is provided for in Business and Professions Code Section(s)
- (1) 8731.
 - (2) 8726.
 - (3) 8730.
 - (4) 8728.
- a) 1 only
 - b) 3 only
 - c) 1 and 3 only
 - d) 2 and 3 only
- 17) A Record of Survey map shall be filed within a certain period of time after the establishment of one or more land boundary or property lines or points not previously shown on a filed map or record. This time period is
- a) twenty (20) days.
 - b) thirty (30) days.
 - c) sixty (60) days.
 - d) ninety (90) days.
- 18) The right of entry to perform surveys is provided for in which of the following California Laws?
- a) the Civil Code and Business and Professions Code.
 - b) the Public Resources Code and Penal Code.
 - c) the Code of Civil Procedure and Streets and Highways Code.
 - d) the California Code of Regulations and the Penal Code.

STATE LAWS -

7. SCALE = $\frac{0.5'}{4000} = \frac{1}{8000} = 1'' = 666'$

NEAT MODEL = $9'' \times .70 = 6.3''$ PHOTO = 4200' GROUND
 $9'' \times .40 = 3.6''$ PHOTO = 2400' GROUND

MINIMUM FLIGHT LINE WOULD BE EAST WEST DIRECT



EACH LINE NEEDS 5 NEAT MODELS & 6 PHOTOS

12 PHOTOS TOTAL

8. YOU DO NEED TO EST. S.W COR SECTION 5 FIRST. HOWEVER IF EVERYTHING WAS CARDINAL OR CLOSE, THE PROPORTION FROM NW COR SEC 5 TO W/4 COR OF B WILL ESTABLISH THE N & S. POSITON OF THE SECTION CORNER, SO A STRAIGHT PROPORTION WOULD GIVE A GOOD APPROX DISTANCE SO

$$79.46 + 40 = 119.46 \times 64 = 7884.36$$

$$\frac{7290.00}{7884.36} = \frac{x}{79.46 \times 64}$$

$$x = \frac{7290.00 \times 2604.34}{7884.36} = 2616.4$$