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***** EXAMINATION *****

ARKANSAS MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS AND PLATS

1. The current revision date of the Minimum Standards is:

- a) August 18, 1982
- b) May 8, 1992
- c) March 14, 1996
- d) August 21, 2000

2. The land survey division is a part of:

- a) the Arkansas Geological Commission
- b) the Arkansas Department of Commerce and Insurance
- c) the office of the Secretary of State
- d) the Arkansas Division of Economic Development

3. The Great Seal of the State of Arkansas has a:

- a) cardinal
- b) eagle
- c) bluebird
- d) None of the above

4. The seal of the Land Survey Division has a:

- a) cardinal
- b) eagle
- c) initial point monument
- d) NGS monument

5. The Arkansas Minimum Standards for Property Boundary Survey and Plats:

- a) is also known as the Standards of Practice No. 1
- b) is also known as Revision 2 of the APLSA Standards
- c) is also known as the Legal Surveying Instructions
- d) All of the above

6. The latest revised standards were filed for record in the office of:

- a) the State Attorney General
- b) the Secretary of State
- c) the Arkansas Department of Natural Resources
- d) All of the above

7. **The revised standards were reviewed and approved by the:**
- a) Secretary of State
 - b) State Board of Registration for PE & LS
 - c) the Administrative Rules and Regulations Committee of the Legislature
 - d) All of the above
8. **The State Board of Registration for PE & LS uses the standards to:**
- a) determine the outcome of court cases
 - b) determine the professionalism of land surveyors performing land surveys
 - c) determine what survey functions that civil engineers can perform
 - d) All of the above
9. **The purpose of the standards is to:**
- a) set minimum accuracy for land boundary surveys
 - b) set maximum accuracy for land boundary surveys
 - c) set normal accuracy for land boundary surveys
 - d) set precision for land boundary surveys
10. **Minimum requirements are given for:**
- a) research and investigation
 - b) monumentation
 - c) plat preparation and recording
 - d) All of the above
11. **The purpose of registration of land surveyors is to:**
- a) prevent them from doing engineering or design
 - b) safeguard the life, health, or property of the public
 - c) limit competition
 - d) increase competition
12. **More stringent standards for a surveying contract may be required by:**
- a) code
 - b) ordinance
 - c) contract specifications
 - d) Any of the above
13. **The minimum standards are binding on:**
- a) civil engineers
 - b) construction contractors
 - c) land surveyors
 - d) Any of the above
14. **Which of the following is not defined as land surveying?**
- a) subdivision mapping
 - b) street mapping
 - c) preparation of easements
 - d) Mapping of zoning districts

15. **Act 645 of 1969 requires:**

- a) the notification of adjoiners of survey conflicts
- b) the filing of the survey plat
- c) public notice of right-of-way surveys
- d) None of the above

16. **Upon completion of survey, all plats shall be filed within:**

- a) 30 days
- b) 60 days
- c) 90 days
- d) 180 days

17. **An urban area is defined as any municipality having a population of:**

- a) 500 or more
- b) 2000 or more
- c) 5000 or more
- d) 8000 or more

18. **A fringe area is defined as all that area within:**

- a) one mile of a city having a population of 5000 or more
- b) three miles of a city having a population of 5000 or more
- c) one mile of a city having a population of 500 or more
- d) one mile of a city having a population of 2000 or more

19. **A rural area is any area within:**

- a) one mile of a city having a population of 5000 or more
- b) three miles of a city having a population of 5000 or more
- c) one mile of a city having a population of 500 or more
- d) where land is predominantly agricultural use

20. **Type A property types are:**

- a) small lots where buildings may be erected along property lines
- b) any property within the city having a population of 500
- c) any property within the city having a population of 2500
- d) any property within the city having a population of 5000

21. **Type C property types are:**

- a) parcels with all sides 100' or longer
- b) any property within the city having a population of 500
- c) any property within the city having a population of 2500
- d) any property within the city having a population of 5000

22. **The closure ratio is the ratio between the horizontal linear error to:**

- a) the total vertical and horizontal distance traversed
- b) the total horizontal distance traversed
- c) the direct distance between NGS monuments
- d) None of the above

23. **The maximum closure ratio for an urban area, Property Type C, is**
- a) 1:2500
 - b) 1:5000
 - c) 1:7500
 - d) 1:10000
24. **The maximum closure ratio for a rural area, Property Type C, is**
- a) 1:2500
 - b) 1:5000
 - c) 1:7500
 - d) 1:10000
25. **The maximum closure ratio for a fringe area, Property Type C, is**
- a) 1:2500
 - b) 1:5000
 - c) 1:7500
 - d) 1:10000
26. **The maximum positional error for an urban area, Property Type C, is**
- a) 0.10 feet
 - b) 0.75 feet
 - c) 1.50 feet
 - d) 3.00 feet
27. **The maximum positional error for a fringe area, Property Type C, is**
- a) 0.10 feet
 - b) 0.75 feet
 - c) 1.50 feet
 - d) 3.00 feet
28. **The maximum positional error for a rural area, Property Type C, is**
- a) 0.10 feet
 - b) 0.75 feet
 - c) 1.50 feet
 - d) 3.00 feet
29. **Radial surveys:**
- a) are not allowed by the minimum standards
 - b) must be tied to a control traverse
 - c) shall locate points from two different instrument positions
 - d) All of the above
30. **Class A Urban Surveys include:**
- a) apartments
 - b) ranches
 - c) farm lands
 - d) forests

31. **Class B Suburban Surveys include:**

- a) ranches
- b) farm lands
- c) forests
- d) residential subdivisions

32. **Class C Rural Surveys include:**

- a) subdivisions
- b) condominiums
- c) farm lands
- d) developments

33. **Class D surveys include:**

- a) marshland surveys
- b) ranches
- c) farms lands
- d) forests

34. **The angular closure of a Class A survey traverse with 9 sides:**

- a) shall not exceed 10 seconds
- b) shall not exceed 20 seconds
- c) shall not exceed 30 seconds
- d) shall not exceed 45 seconds

35. **The angular closure of a Class B survey traverse with 9 sides:**

- a) shall not exceed 10 seconds
- b) shall not exceed 20 seconds
- c) shall not exceed 30 seconds
- d) shall not exceed 45 seconds

36. **The angular closure of a Class C survey traverse with 9 sides:**

- a) shall not exceed 20 seconds
- b) shall not exceed 40 seconds
- c) shall not exceed 50 seconds
- d) shall not exceed 60 seconds

37. **The angular closure of a Class D survey traverse with 16 sides:**

- a) shall not exceed 30 seconds
- b) shall not exceed 1 minute
- c) shall not exceed 2 minutes
- d) shall not exceed 3 minutes

38. **The number of observations per station for a Class A survey:**

- a) shall include 1 direct and 1 reverse reading
- b) shall include 2 direct and 2 reverse readings
- c) shall include 3 direct and 4 reverse readings
- d) shall include 4 direct and 4 reverse readings

39. **The number of observations per station for a Class B survey:**
- a) shall include 1 direct and 1 reverse reading
 - b) shall include 2 direct and 2 reverse readings
 - c) shall include 3 direct and 4 reverse readings
 - d) shall include 4 direct and 4 reverse readings
40. **The number of observations per station for a Class C survey:**
- a) shall include 1 direct and 1 reverse reading
 - b) shall include 2 direct and 2 reverse readings
 - c) shall include 3 direct and 4 reverse readings
 - d) shall include 4 direct and 4 reverse readings
41. **The number of observations per station for a Class D survey:**
- a) shall include 1 direct and 1 reverse reading
 - b) shall include 2 direct and 2 reverse readings
 - c) shall include 3 direct and 4 reverse readings
 - d) shall include 4 direct and 4 reverse readings
42. **Prior to a boundary survey, the surveyor shall obtain information from:**
- a) county and state records
 - b) original government field notes and surveys
 - c) recorded corner certificates
 - d) All of the above
43. **The restoration of governments corners shall be made using:**
- a) the current Bureau of Land Management Manual of Surveying Instructions
 - b) the current county GIS recommendations
 - c) applicable court cases in the area
 - d) All of the above
44. **All iron pipes set for monuments shall be at least:**
- a) 1/2" in diameter
 - b) 3/8" in diameter
 - c) 1" in diameter
 - d) 2" in diameter
45. **All steel rods set for monuments shall be at least:**
- a) 1/2" in diameter
 - b) 3/8" in diameter
 - c) 1" in diameter
 - d) 2" in diameter
46. **All survey plats should contain:**
- a) a legend and bar scale
 - b) a North arrow and the basis of direction
 - c) the point of beginning
 - d) All of the above

47. **Enforcement of the minimum standards may be initiated by:**

- a) the state surveyor
- b) the Arkansas State Board of Registration of PE & LS
- c) Either a or b
- d) the attorney general

48. **The following type of surveys must be recorded with the state surveyor:**

- a) rural surveys
- b) subdivision surveys
- c) lot surveys
- d) parcel surveys within subdivisions

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