**Site Access Activity**

**Exercise**

Fir Ridge on the Deschutes is a new apartment complex planned for your community. A total of four two-story apartment buildings will be constructed, as well as an office and clubhouse, each of which is one story in height. See the site plan attached.

You have been assigned the responsibility of reviewing the site plan for compliance with the fire code. You may consider the appendices as part of the code for this exercise. Based on the fire code, evaluate the plan and answer the following questions:

1. Assuming the roadway is constructed of asphalt, is the grade acceptable?
2. What is the minimum required live load design for the two bridges serving the Deschutes?
3. Do any of the buildings violate the maximum allowable distance to fire department access roadway?
4. If additional roadways cannot be added because of property limitations, can a fire sprinkler system be used as a substitute for the required access?
5. Are the turns in the roadway adequate?
6. Does the roadway meet the minimum width requirements?
7. During the review you notice that parking spaces are not shown on the site plan. Does this create a condition that may result in a violation of the fire code?
8. How many fire hydrants are required for this development?
9. How does adding fire hydrants affect the roadway width?
10. What surface is required for a fire access road?
11. Would you accept the proposed plan?