

# Pierce County

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Department of Planning and Land Services  
Development Engineering

PROJECT NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

APPLICATION NO.: \_\_\_\_\_ PCDE NO.: \_\_\_\_\_ BY: Jeff Sharp

## **GATE REVIEW CHECKLIST ORDINANCE 2004-56S**

*Circled items need to be addressed. Checked items are OK. A determination can not yet be made on items left blank. Address these items. If you believe a particular blank item does not apply, state this explicitly.*

### **Vicinity Map**

1. \_\_\_\_ Vicinity map is provided to show the location of the project site.

### **Site Plan**

2. \_\_\_\_ Site plan is drawn to a scale of 1" = 10' and is drawn on a sheet size of 22" x 34".
3. \_\_\_\_ North arrow and graphic scale are shown.
4. \_\_\_\_ Existing and proposed driveways, roads, sidewalks, shoulders, buffers, medians, islands, buildings, easements, critical areas and 2-foot contours (proposed) are shown and labeled.
5. \_\_\_\_ Right-of-Way, property lines, easements and street names are shown and labeled.
6. \_\_\_\_ Proposed ingress/egress easements or tracts associated with the gate have bearings, distances, curve data and centerline ties to establish it's location on the underlying parcel(s).
7. \_\_\_\_ Location of emergency vehicle strobe detector, keypad and Knox™ key switch, key box or padlock are shown.
8. \_\_\_\_ Gate swing in both the fully open and closed positions shown.
9. \_\_\_\_ Motorized swing gates pivot/swing in the direction of travel.

*Circled items need to be addressed. Checked items are OK.*

### **Roadway Cross-Section/Gate Elevation**

- 10. \_\_\_\_ Cross sectional view of roadway and gate is shown. Include the width of the paving, curb section, shoulders, buffers and sidewalks as applicable and an elevation (front) view of the entire gate system.
- 11. \_\_\_\_ A dimension of the maximum height and width of each gate panel and support post is shown.
- 12. \_\_\_\_ Location of emergency vehicle strobe detector is shown.

### **Details**

- 13. \_\_\_\_ Details of the gate post, keypad and Knox™ switch pedestals, hinge points and swing direction, track attachments, latches, signs and other accessory appurtenances are shown.

### **Standard Notes**

- 14. \_\_\_\_ Provide appropriate standard notes. Add note(s) number:

#### **All gates:**

- 1. The property owner is responsible for maintaining the rapid entry devices in an operable condition.
- 2. Prior to requesting a Final Inspection from the Development Engineering Section the applicant shall submit a copy of the completed Gate Operation Test form and a copy of the electrical permit. The electrical permit shall be finalled and cover both line and low voltage systems.
- 3. All pivoting gates shall have a minimum of six inches of clearance between the bottom of gate and the traveled surface, through its entire operating arc.

#### **Electrically operated gates:**

- 4. The gate lock shall default to the unlocked position in the event of a loss of electrical power.
- 5. All gates shall open on activation of the Knox key switch and shall remain open until manually reset.
- 6. The safety loop detector circuit shall prevent the gates from closing on a vehicle in its path. An exit loop detector circuit or emergency vehicle strobe detector receiver shall automatically open the gate upon emergency vehicle approach to the exit gate from inside the complex.
- 7. Electrically operated gates require a permit for the installation of line and low voltage devices. Contact the appropriate permitting agency (state or utility company) for required permits. Pierce County does not issue electrical permits.

#### **Emergency vehicle strobe detector equipped gates:**

- 8. All gates shall open on activation of the emergency vehicle strobe detector and remain open for a minimum of thirty minutes and then automatically close.

### **Structural Details**

- 15. \_\_\_\_ Gates or supports that exceed 6-feet in height require project specific structural calculations, plans and details stamped by a Professional Engineer licensed by the State of Washington.
- 16. \_\_\_\_ Column and attached members sizes and specification(s) are shown.
- 17. \_\_\_\_ Footing length, width and depth is shown.
- 18. \_\_\_\_ Concrete specification is shown.

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- 19. \_\_\_\_ Reinforcing steel design and specification is shown.
- 20. \_\_\_\_ Anchor bolt design and specification is shown.
- 21. \_\_\_\_ Plans match structural calculations.

### **Catalog Cut Sheets**

If multiple items are shown on a manufacturer's catalog cut sheet, clearly note the particular model number of the item that you are proposing for this application.

- 22. \_\_\_\_ Provide 5 copies of manufacturer's catalog cut sheet for the gate operator.
- 23. \_\_\_\_ Provide 5 copies of manufacturer's catalog cut sheet for the Knox™ key switch, key box or lock.
- 24. \_\_\_\_ Provide 5 copies of manufacturer's catalog cut sheet for the emergency vehicle strobe detector.

### **Keypads and Keypad Islands**

- 25. \_\_\_\_ Key pad is located such that a driver does not have to cross an opposing lane of traffic to operate the keypad.
- 26. \_\_\_\_ Keypad is not located in the traveled way.
- 27. \_\_\_\_ Length of island is a maximum of 6 feet.
- 28. \_\_\_\_ Width of island is 3 feet.
- 29. \_\_\_\_ Keypad and/or key switch/box are setback 1 foot from the face of curb or edge of paving.
- 30. \_\_\_\_ Maximum height of vegetation is 2 feet above the top of curb.
- 31. \_\_\_\_ Radius of face of curb is 1.5 feet.

### **Emergency Vehicle Strobe Detector**

- 32. \_\_\_\_ Gates which serve 10 or more dwelling units shall have an emergency vehicle strobe detector or an equivalent and compatible system that is approved by the Pierce County Fire Marshal.
- 33. \_\_\_\_ Emergency vehicle strobe detector shall be mounted 8 feet above the roadway and inside the gated area. Locate detector on the right hand gate post as you are entering the gated area.
- 34. \_\_\_\_ When an emergency vehicle strobe detector is required, an exit loop shall automatically open the exit gate when it detects an existing vehicle.

### **Exit and Safety Loops**

- 35. \_\_\_\_ Mechanized gates shall have safety loops installed in the roadway and a detector circuit in the gate operator to prevent gate closure onto a vehicle in its path.
- 36. \_\_\_\_ Length, width and setback from gate of the exit and safety loops are noted on the site plan.

### **Setbacks**

37. \_\_\_\_ Gates without center posts are setback a minimum of 60 feet (20 feet for SFR) from the Right-of-Way or private road easement.
38. \_\_\_\_ Gates with center posts must be set back a minimum of:
- 100 feet from the centerline of the Right-of-Way/Easement.
  - 100 feet from the face/flow line of a median (the median side closest to the proposed gate).
  - 100 feet from the lane divider separating opposing lanes of traffic.

### **Sidewalk and Paved Walkways**

39. \_\_\_\_ Full width of the sidewalk or paved walkway is maintained around any gate appurtenance.

### **Clear Width**

40. \_\_\_\_ Clear width per Table 4 & Figure 4 is provided.
41. \_\_\_\_ Gate post located behind the back of curb.

### **Traveled Way**

42. \_\_\_\_ Gate opens to provide an unobstructed access to all portions of the traveled way.

### **Turn Around**

43. \_\_\_\_ Gates on private roads, minor driveways for multi-family or commercial uses, or major driveways shall provide an adequate turn around area for vehicles that are not allowed to enter the gate.
44. \_\_\_\_ Turn around conforms to Figure 1 or an equivalent (min. 30' radius).
45. \_\_\_\_ If an equivalent turn around is proposed, site plan shows turning path from the key pad to the exit. Turning radii/path is consistent with AASHTO "P" design vehicle. Design is stamped and signed by a licensed Professional Engineer.

### **Alleys**

46. \_\_\_\_ Gates shall not be allowed on or at the entrances or exits of an alleyway.

### **General**

47. \_\_\_\_ Plans are stamped, signed and dated by structural engineer when gates or supports are more than 6-feet in height.
48. \_\_\_\_ Roadway improvement plans, sections, details, specifications and notes provided. Addresses runoff and erosion/sedimentation control.
49. \_\_\_\_ Provide copy of approved site development plans and permit with resubmittal.