

SANTA ROSA FIRE DEPARTMENT

FIRE PREVENTION BUREAU PLAN REVIEW CHECKLIST

July 1, 2010



MYLAR

Address:		Permit #:
Inspector:	Date:	Status:
Inspector:	Date:	Status:
A-Approved; AC-Approved w/comments; I-Incomplete; D-Denied		

This Checklist outlines general requirements. Information contained herein applies to typical instances and may not address all circumstances.

FILE REVIEW

- | | | | |
|----|--------------------------|--------------------------|--|
| | Y | N | |
| 1. | <input type="checkbox"/> | <input type="checkbox"/> | PERMITS PLUS - Access Permits Plus, search by street address or project name to identify previous review activity at the Subdivision, Planning, Engineering or Utility level. |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> | SUBDIVISION MAP CONDITIONS - Review subdivision specific conditions and history. Are fire sprinklers conditioned? Is there an alternate method request/approval? |
| 3. | <input type="checkbox"/> | <input type="checkbox"/> | WUI – Determine if the project is in the Wildland Urban Interface. If so, check to see if any WUI requirements were conditioned upon the improvement. |

PLAN REVIEW

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|-----|--------------------------|--------------------------|--|
| 4. | <input type="checkbox"/> | <input type="checkbox"/> | WATER SUPPLY – SRCC 18-44.508.1. Estimate the fire flow required with the information provided. |
| 5. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.508.4. Verify that fire flow was specified. |
| 6. | <input type="checkbox"/> | <input type="checkbox"/> | City Water Standards. Review the file to determine if a fire flow analysis/justification was submitted. |
| 7. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.B105.1. If undesignated; for One & two family dwellings minimum of 1500 gpm unless if located in the WUI where 2500 gpm minimum is required. |
| 8. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.B105.2. Multi-family and commercial minimum is 2500 gpm whether located in or out of WUI.. |
| 9. | <input type="checkbox"/> | <input type="checkbox"/> | City Water Standards. Dead-end water mains of 8" diameter or smaller must have a hydraulic analysis to demonstrate capability. |
| 10. | <input type="checkbox"/> | <input type="checkbox"/> | FIRE HYDRANTS – SRCC 18-44.508.5. Fire hydrants shall be spaced along City streets at 500 feet in residential areas and 300 feet in commercial areas. |
| 11. | <input type="checkbox"/> | <input type="checkbox"/> | City Water Standard 857. Hydrant style: One & two dwellings can utilize the residential hydrant. Multi-family residential and commercial must install the commercial (double steamer) hydrant. |

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| 12. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.C105.1.f. Special note, 300 foot spacing for One & Two Family within the WUI. |
| 13. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.C102.1. Check the location of the hydrants and relationship to fire department expected access route, relocate hydrants at the head of cul-de-sac's and at the end of long commercial driveways. |
| 14. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.C105.1.c. If a divided street, hydrants are required along both sides of the street and also staggered. |
| 15. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.508.5..1. Where flag lots are present and homes are set back from the street, a fire hydrant must be located within 150 feet of all points of the first story as measured by an unobstructed route or an on-site fire hydrant is required. |
| 16. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.105.7.10. Private fire hydrant design and installation is a separate permit issued by the Fire Department. If the system is private, ensure that the plan specifies to submit to the Fire Department for review, approval and permit. If not, use the encroachment permit stamp (provided by fire). |
| 17. | <input type="checkbox"/> | <input type="checkbox"/> | ACCESS – SRCC 18-44.503 |

Apparatus access. Check:

- | | | | |
|-----|--------------------------|--------------------------|---|
| 18. | <input type="checkbox"/> | <input type="checkbox"/> | Width |
| 19. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.503.2.1. Minimum 20 feet of width |
| 20. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.D105.2. Buildings exceeding 30 feet shall have a 26 foot width for aerial apparatus |
| 21. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.D105.3. Aerial access – one road a minimum of 15 feet from and a maximum of 30 feet from the building |
| 22. | <input type="checkbox"/> | <input type="checkbox"/> | City Design Standards. Length – maximum depth of 150' unless a cul-de-sac then the maximum is 500 foot |
| 23. | <input type="checkbox"/> | <input type="checkbox"/> | Two separate access roads required for: |
| 24. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.D104.1. Buildings three stories or 30 feet in height |
| 25. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.D104.2. Buildings exceeding 62,000 ft/2 in area |
| 26. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.D106.1. Projects with more than 50 dwelling units |
| 27. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.503.2.3. Surface – asphalt paved |
| 28. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.D103.3. Turning radius – inside 20 foot, outside 40 foot |
| 29. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.503.2.1. Vertical obstructions – clear area of 13 foot 6 inches |
| 30. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.D103.4. Turnarounds |
| 31. | <input type="checkbox"/> | <input type="checkbox"/> | 8.44.D103.4. Required when dead in is >150 foot |
| 32. | <input type="checkbox"/> | <input type="checkbox"/> | Street Design Standard 203-F may apply if 4 or less homes |

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| 33. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.503.1.1. Access to within 150 feet of far side of building envelopes |
| 34. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.D103.6. Fire Lane – No Parking signage on all fire lanes |
| 35. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.503.3. No Parking – Emergency Vehicle Access on EVA barriers |
| 36. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.506.1.1. Knox locks on EVA's |
| 37. | <input type="checkbox"/> | <input type="checkbox"/> | City Standard Conditions. Opticom controlled access on gates/barriers if serving 5 or more SFD's |
| 38. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.503.2.6. Curb cuts accommodate fire apparatus, especially for EVA transitions. |
| 39. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.503.2.6. Bridges indicate their weight rating |
| 40. | <input type="checkbox"/> | <input type="checkbox"/> | 18.44.501.4. Note that no combustible construction may start until approved access roads and water supply are installed and accepted. |
| 41. | <input type="checkbox"/> | <input type="checkbox"/> | FIRE SPRINKLERS – 18-16.903.2, 903.2.18. Noted on plan if conditioned as part of the subdivision conditions or as part of an approved alternate method request. |
| 42. | <input type="checkbox"/> | <input type="checkbox"/> | An approved fire sprinkler system shall be installed in all new buildings. See 903.2.18.1 for exceptions related to Group U, pool houses, detached garages, motor vehicle fueling, non-combustible carports and B & M occupancies less than 500 ft/2. |
| 43. | <input type="checkbox"/> | <input type="checkbox"/> | WATER CONNECTION – City Water Standard 880. Check the location of the double detector check (DDC), check the proximity to fire department access. If yard hydrants are present, do not permit a FDC on the backside of the DDC. If the DDC is only supplying fire sprinklers, an FDC on the back of the DDC is permissible if it is congruent with fire department operations. |
| 44. | <input type="checkbox"/> | <input type="checkbox"/> | RESIDENTIAL METER SIZING – City Water Standard 863 & 865. For one and two family dwellings, check the meter size and the lateral (corporation stop to meter box) to ensure that it will supply residential fire sprinkler system. |

OTHER

45. Has a Phase 1 Environmental Site Assessment been required?