

# SANTA ROSA FIRE DEPARTMENT

## FIRE PREVENTION BUREAU

### PLAN REVIEW CHECKLIST

July 1, 2010



## SINGLE FAMILY DWELLING

Address:		Permit #:
Inspector:	Date:	Status:
Inspector:	Date:	Status:
A-Approved, R-Re-inspection Required		

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

#### FILE REVIEW

1.  **Y**     **N**    **SUBDIVISION MAP CONDITIONS** - Review subdivision specific conditions and history. Are fire sprinklers conditioned; is there an alternate method request approval? Was a Phase I Environmental Site Assessment required? Add all conditions to approval letter if not included on plans. Significant requirements such as road width, fire sprinklers or a fire hydrant shall be added to the approved plans and will require a re-submittal.
2.         **ENVIRONMENTAL SITE ASSESSMENT** – Submitted and approved? If required, a Phase I Environmental Site Assessment shall be approved prior to issuance of any grading, demolition or construction permits.
3.         **FEES** – Permit fees entered in Permits Plus. 3<sup>rd</sup> or greater checks require an hourly fee for the review.

#### SITE PLAN

4.         **SCALED SITE PLAN** Property lines, existing/proposed structures, slopes/grades, road widths, turnarounds and hydrant locations.
5.         **WATER SUPPLY** – SRCC 18- 44. 903.3. Check fire flow information from Utility Map and GIS. Required 1500gpm. 2500gpm required for homes within a VHFSZ.
6.         **FIRE HYDRANTS** – SRCC 18- 44. 903.3.1. Fire hydrants shall be spaced along City streets at 500 ft ( 300 ft for SFD's within the VHFSZ) and along both sides of divided streets. Where flag lots are provided and homes are set back from the street, a fire hydrant must be located within 150ft of all points of the first story as measured by an unobstructed route or an on-site fire hydrant is required. Fire hydrant design and installation is a separate permit.

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- |     | Y                        | N                        |  |
|-----|--------------------------|--------------------------|--|
| 7.  | <input type="checkbox"/> | <input type="checkbox"/> | <b>FIRE SPRINKLERS</b> – <i>SRCC 18-16.904.2.10.3</i> . Noted on plan if conditioned as part of the subdivision conditions or as part of an approved alternate method request. 3 or more stories or 35 ft from access to top of ceiling or exposed roof requires sprinklers. Fire Sprinkler design and installation is a separate permit.  |
| 8.  | <input type="checkbox"/> | <input type="checkbox"/> | <b>BUILDING ADDRESSING</b> - <i>CFC 901.4.4</i> . Four (4) inches in height, illuminated, affixed on the building, contrasting background, plainly visible and legible from the road. Located at highest elevation of building. See Information Bulletin 015 on “Addressing”. Address sign required at driveway entrance if home is setback from a public street.  |
| 9.  | <input type="checkbox"/> | <input type="checkbox"/> | <b>FIRE DEPARTMENT ACCESS</b> <i>CFC 902</i> and Information Bulletin 002. Twenty foot (20) paved access road provided to within 150 feet of exterior portions of building, as measured by an approved route around the exterior of the building. Surface constructed per City Design Standards.   |
| 10. | <input type="checkbox"/> | <input type="checkbox"/> | <b>TURNING RADIUS</b> <i>CFC 901</i> . Access roads require a minimum 20’ inside turning radius and a 40’ outside turning radius.  |
| 11. | <input type="checkbox"/> | <input type="checkbox"/> | <b>VERTICAL CLEARANCE</b> <i>CFC 901</i> . Unobstructed vertical clearance of 13’ 6” feet.   |
| 12. | <input type="checkbox"/> | <input type="checkbox"/> | <b>GRADE</b> City Street Design Standards. Maximum grade of 15 percent.  |
| 13. | <input type="checkbox"/> | <input type="checkbox"/> | <b>TURNAROUNDS</b> <i>CFC 901</i> . Approved turnaround provided where drive exceeds 150 feet in length.   |
| 14. | <input type="checkbox"/> | <input type="checkbox"/> | <b>FIRE LANES</b> <i>CFC 902.2.4.3</i> Fire apparatus access roads noted as fire lanes in accordance with <i>CVC22658</i> .  |
| 15. | <input type="checkbox"/> | <input type="checkbox"/> | <b>BRIDGES</b> <i>CFC 902.2.2.5</i> Load = HS 20. Structure capability, weight/vertical clearance signs. Vertical clearance 13’ 6”.  |
| 16. | <input type="checkbox"/> | <input type="checkbox"/> | <b>TURNOUTS</b> <i>CFC 902</i> . One-way drives in excess of 500 feet. Emergency/additional turnouts may be required as dedicated by site-specific conditions.   |
| 17. | <input type="checkbox"/> | <input type="checkbox"/> | <b>SECONDARY ACCESS</b> – City Street Design Standards. Access road greater than 500 ft in length or more than 50 units served by access.  |
| 18. | <input type="checkbox"/> | <input type="checkbox"/> | <b>GATES</b> Manual gates shall have a Knox Company key lock provided, Powered gates shall have a Knox access override system provided. Gate(s) shall open inward and shall be the same width as the access way. Gates shall be located 20 feet from the roadway to allow a vehicle to stop without obstructing traffic.   |
| 19. | <input type="checkbox"/> | <input type="checkbox"/> | <b>LADDER STAGING AREA AND ACCESS</b> . <i>SRCC 18-44.902.3.1</i> . Escape windows shall have an improved level ladder staging area available that provides adequate ladder access for the Fire Department. The ladder staging area shall allow a 70 degree ladder angle from the window, a minimum 3 ft by 3 ft level and unobstructed area for the ladder base and an unobstructed improved access path, minimum of 3 ft, to a public way. |
| 20. | <input type="checkbox"/> | <input type="checkbox"/> | <b>VHFSZ BUILDING CONSTRUCTION REQUIREMENTS</b> – <i>CFC Article 86</i>  |
| 21. | <input type="checkbox"/> | <input type="checkbox"/> | <b>Roof and Attic Construction</b> (VHFSZ) <i>CFC Article 86</i> . Information Bulletin 051 Verify Plan Compliance   |
| 22. | <input type="checkbox"/> | <input type="checkbox"/> | <b>Roof Construction</b> – Class A roofing required.   |

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- |     | Y                        | N                        |   |
|-----|--------------------------|--------------------------|---|
| 23. | <input type="checkbox"/> | <input type="checkbox"/> | <b>Roof Covering</b> – Where the roof profile allows a space between the roof covering and roof decking, the spaces shall be constructed to prevent the intrusion of flames and embers, be fire-stopped with approved materials or have one layer of No. 72 ASTM cap sheet installed over the combustible decking |
| 24. | <input type="checkbox"/> | <input type="checkbox"/> | <b>Roof Valleys</b> - When provided, valley flashings shall be not less than 0.016-inch (0.41 mm) (No. 28 galvanized sheet gage) corrosion-resistant metal installed over a minimum 36 inches (914 mm) wide under lument consisting of one layer of No. 72 ASTM cap sheet running the full length of the valley.  |