Fire Safe Road Requirements Checklist

Sacred Groves CUP – Humboldt PLN-2024-19115

☐ Two-lane road: Minimum two 10-foot traffic lanes (20 feet total), excluding shoulders.
\checkmark One-way road (if applicable): Minimum 12-foot lane width (must connect to a two-lane road at both ends \checkmark).
✓ Dead-end road: Maximum 5,280 feet (1 mile) for parcels zoned 20+ acres. The road continues several miles to the north outguess from ownership. Road mot suited for large trucks.
2. Road Surface & Load Capacity✓ Road is built to support a turck or fire apparatus load of at least75,000 lbs.
✓ Aggregate base for road surface.
\checkmark Driveways and road structures must support at least 40,000 lbs.
Humboldt Redwood Company used the road for 10 years, hauling 20-30 million board feet across it. Cal Poly brings a full-size school bus in once or twice each year.
3. Road Grade & Curves ✓ Maximum grade: 16% (up to 20% with local approval & mitigation). Max is 8%,a most is less than 3%
✓ Minimum inside curve radius: 50 feet.
\square If curve is 50-100 feet radius: Add 4 feet to road width.
\square If curve is 100-200 feet radius: Add 2 feet to road width.
✓ Vertical curve length: Minimum 100 feet.
4. Turnarounds & Turnouts √ Turnaround at dead-end road terminus:
✓ - 40-foot radius turnaround OR
□ - Hammerhead/T turnaround (60 feet top width).

✓ Driveway turnarounds:
\square - If over 300 feet, turnaround must be within 50 feet of structure.
\square - If over 800 feet, turnouts required every 400 feet.
√ Turnouts: Minimum 12 feet wide, 30 feet long, 25-foot taper on each end. <u>Presently</u> available but will be formalized and visibly marked.
5. Road & Driveway Structures (Bridges, Culverts) N/A No bridges and only two deeply-set cross-drain culverts No sagging in evidence. □ Bridges meet AASHTO HB-17 standards. N/A
☐ Weight limit signage posted at both bridge entrances.
☐ Single-lane bridge only allowed if:
\square - Unobstructed visibility from one end to the other.
□ - Turnouts provided at both ends.
6. Dead-End Road Limits Road continues but is of low standard and is a long way to adequate egress, but it is another way out
✓ Maximum 1-mile length for 20+ acre zoned parcels. The road length to the project area is 0.9 miles.
\square Shortest zoning limit applies if road crosses different parcel sizes.
✓ Turnaround required every 1,320 feet for parcels 5 acres or larger.
7. Gate Entrances✓ Gate width: Minimum 2 feet wider than traffic lanes.
✓ Minimum gate width: 14 feet unobstructed horizontal clearance.
✓ Minimum gate height clearance: 13'6".
\checkmark Gate set back 30 feet from the road to prevent traffic blockage.
\square Security gate emergency access must be approved by the local authority. To be arranged
8. Road Signs & Addressing ☐ Road signs must have: To be installed per requirements

- $\hfill\Box$ Reflective, 4-inch letters, visible from 100 feet in both directions. $\underline{Upgraded\ size\ to\ be\ installed.}$
- \checkmark Non-duplicative name or number system.
- ✓ -Addressing requirements:
- \checkmark Permanently posted, reflective address signs.
- $\checkmark\,$ If a private road, additional address sign at public road intersection.