

Fire Safe Road Requirements Checklist

Sacred Groves CUP – Humboldt PLN-2024-19115

1. Road Width & Traffic Flow

☐ Two-lane road: Minimum two 10-foot traffic lanes (20 feet total), excluding shoulders.

✓ One-way road (if applicable): Minimum 12-foot lane width (must connect to a two-lane road at both ends ✓).

✓ 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 least 75,000 lbs.

✓ Aggregate base for road surface.

✓ 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.

☐ If curve is 50-100 feet radius: Add 4 feet to road width.

☐ 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:

☐ - If over 300 feet, turnaround must be within 50 feet of structure.

☐ - If over 800 feet, turnouts required every 400 feet.

✓ Turnouts: Minimum 12 feet wide, 30 feet long, 25-foot taper on each end. Presently 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:

☐ - 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.

☐ 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".

✓ Gate set back 30 feet from the road to prevent traffic blockage.

☐ 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

☐ - Reflective, 4-inch letters, visible from 100 feet in both directions.

Upgraded size to be installed.

✓ - Non-duplicative name or number system.

✓ -Addressing requirements:

✓ - Permanently posted, reflective address signs.

✓ - If a private road, additional address sign at public road intersection.