



*DIRECTION OF TRAVEL
ADJACENT TO COUNTY
ROAD

MINIMUM CULVERT COVER REQUIREMENTS

TYPE OF PIPE	PIPE SIZE	MIN COVER**
CORRUGATED OR RIBBED METAL	18"–36"	12"
PLASTIC	18"–36"	12"
REINFORCED CONCRETE	18"–36"	12"

**MINIMUM COVER IS FROM TOP OF FINISHED SURFACE TO TOP OF PIPE. FOR LESS THAN ADEQUATE COVER, SEE DRAWING NO. 409.

NOTES:

1. ALL CULVERTS SHALL BE LAID ON A UNIFORMLY GRADED SLOPE. NO HIGH OR LOW SPOTS WILL BE ALLOWED.
2. CULVERT MATERIAL SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS, SECTION 62.
3. DESIGN SHALL CONFORM TO THESE REQUIREMENTS EXCEPT AS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
4. DRIVEWAY SIDE SLOPES SHALL BE A MAXIMUM 4:1 IN THE DIRECTION OF TRAVEL ADJACENT TO THE COUNTY ROAD AND A MAXIMUM OF 3:1 OTHERWISE.
5. CUT CULVERT ENDS TO MATCH SIDE SLOPES. AT THE ENGINEER'S OPTION, FLARED END SECTIONS MAY BE USED AT EITHER END OF CULVERT.
6. CULVERTS MUST BE HYDRAULICALLY ADEQUATE.
7. CULVERT DIAMETER SHALL BE A MINIMUM OF 18".
8. CONCRETE AND A.C. LINED DITCHES SHOULD BE REMOVED AND REPLACED TO 3' OUTSIDE THE ENDS OF THE CULVERT.

COUNTY OF SONOMA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS

RURAL DRIVEWAY
DRAINAGE
CULVERTS

DATE: MAY 2004	REVISED: AUG. 2018
APPROVED BY: JH	SCALE: NONE DRAWING NO. 820