



\*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 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. 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: JUN. 2005

APPROVED BY:

SCALE:  
NONE

DRAWING NO.

**820**