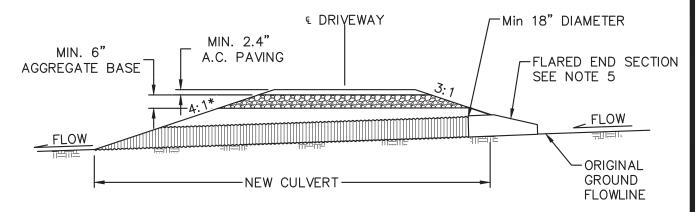
DIRECTION OF TRAVEL ADJACENT TO COUNTY ROAD



*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:

- 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.
- 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

	REVISED: AUG. 2018
APPROVED BY: JH	SCALE: DRAWING NO. 820

Xrefs: Path: S:\ENC