

PVGID MINUTES JULY 15, 2021  
ATTACHMENT - Agenda Item #5.c.  
Discussion of General Road Grading Requirements  
Submitted by Trustee Don Otto

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1. Maintain 5% crown wherever possible, unless full slope to one side is needed.
2. No purposely cut high volume ditches unless escapes cannot be constructed there. MINIMIZE ditch depth to prevent vehicle damage when ditch travel is needed for a variety of reasons including to prevent high speed accidents. (Excluding Range Land, Wilcox Ranch and the uphill side of any other roads of which the ditch acts as a high-water detention) (No tiny V ditches that are useless and waste valuable grading time to create)
3. Water escapes flow lines should be cut in lower than ditch flow line to force water into the escape. Slope escape entrance to force water outward.
4. Daylight out road shoulders where adjacent ground is level with or sloping away. Fill in existing ditch or swale where this condition exists.
5. Put consideration and effort into raising and rewidening roads using previously graded off material piled where ditches used to be.
6. Always cut washboarded surfaces to full depth of depressions and if water is available, moisture condition, reshape, and roller compact.
7. ALWAYS pull material in from edges.
8. DO NOT remove any material from roadway!
9. DO NOT narrow any roadway's travel width, (unless road work is being conducted).
10. Maintain 20 ft wide road way at hill crests and curves wherever possible.
11. Periodically remove roadside vegetation, ESPECIALLY on blind curves and narrow hill crests.
12. Any imported gravel should be placed purposely leaving uncovered native space along edges, creating room for natural gravel sluff-off from future regrading and traffic wear.
13. Transition grade driveways and all road intersections smoothly.
14. Shoulder up hard surfaced road edges when needed.
15. When installing culverts, use adequate length to reach natural slope.