

GENERAL PROVISIONS FOR GRADING PERMITS

1. NO PRECEDENT ESTABLISHED: This permit is granted with the understanding that this action is not to be considered as establishing any precedent on the expediency of permitting any certain kind of grading to be accomplished.
2. NOTICE PRIOR TO STARTING WORKs Before starting work covered by this permit, the Permittee shall notify the Public Works Department, 303 Trinity Lakes Blvd., phone (916)623-1365. SUCH NOTICE SHALL BE GIVEN AT LEAST THREE DAYS IN ADVANCE OF THE DATE WORK IS TO BEGIN.
3. KEEP PERMIT AT WORK SITE: This permit shall be kept at the site of the work and must be shown to any representative of the Road Department or any law enforcement officer on demand.
4. PROTECTION OF TRAFFIC: Adequate provision shall be made for the protection of the traveling public. If grading encroaches onto County Right-of-Way, barricades shall be placed with approved flashing lights at night; also flagmen may be required by the particular work in progress.
5. CLEAN UP RIGHT OF WAY: Upon completion of the work, all brush, timber, scraps and material shall be entirely removed and the right of way left in as presentable condition as before work started; all trees and vegetation removed within the roadway or shoulder area shall be cut 4" below the existing surface.
6. SUPERVISION OF GRANTOR: All work shall conform to recognized standards of construction, and shall be done subject to the satisfaction of the grantor.
7. LIABILITY FOR DAMAGES: The Permittee is responsible for all liability for personal injury or property damage which may arise out of work herein permitted, or which may arise out of failure on the Permittee's part to perform his obligations under this permit in respect to maintenance. In the event any claim of such liability is made against the County of Trinity, or any department, officer, or employee thereof, Permittee shall defend, indemnify and hold them and each of them harmless for such claim.
8. SECURITY:
 - (A) 1. Permittee agrees to perform said work at their sole <cost and expense and to furnish security in the sum noted on the first page of this permit guaranteeing that they will faithfully and properly perform said work; that said .security shall be in the form of a cashiers check or certificate of deposit issued by a bank or savings and loan institution payable to the County .of Trinity, or a surety bond issued by an admitted surety of the State of California. This permit shall not be effective for any purpose unless and until the above named Permittee files with the Road Department, the security in the form and amount required by said department, unless specifically exempted on the face hereof. The requirement that a bond be filed does not normally apply in the event the Permittee is a governmental board which derives its revenue by taxation.
 - (A) 2. The amount of the security shall not limit the obligation of PERMITTEE to complete the work as required in this permit nor limit COUNTY in its right to recover damages from permit-tee

for a breach of such obligation which may include entering onto said property to mitigate erosion concerns.

(A) 3. Upon the completion of the work to the satisfaction of COUNTY, for which the respective security has been given, COUNTY shall cause such cashiers check or certificate to be assigned, or otherwise transferred, to PERMITTEE, or execute a release of such surety bond. The Director of Transportation and Planning is authorized to execute assignments or transfers of certificates of deposits on behalf of COUNTY when the work has been completed.

9. CONSTRUCTION:

(A) 1. Maximum road grades in decomposed granite shall be ten percent/ except where grades up to fifteen percent can be shown to result in less impact than a -ten percent slope will create. Road surfaces shall have a six-inch, well-graded gravel or shale bed and be suitably compacted.

(A) 2. Roadbeds shall have a minimum width of 12 feet, and shall be outsloped at two percent, except for short inslopes immediately above culverts and/or where outsloping will result in diverting runoff onto fill slopes and non-vegetated soils. Rolling dips shall be placed as follows:

<u>Gradient of Roadway, %.</u>	<u>Spacing Between Rolling Dips, Max</u>
1-3	250 ft.
>3-8	150 ft
>8-10	100 ft

Runoff from rolling dips shall discharge onto selected areas where protection from erosion is afforded by rocky ground, slash, vegetative cover or placed rock energy dissipaters.

(A) 3. Cut slopes shall be 1 1/2:1 and fill slopes shall be 2:1 or flatter. All fills shall be compacted to .a minimum of 90% Relative Density per ASTM or State of California Soil. Compaction test methods. Exceptions to these ratios shall be supported by determinations of a professional engineer.

(A) 4. Drain culverts shall be installed in all drainage ways. Culverts shall be smooth lined High Density Polyethylene Pipe (corrugated plastic pipe) or Corrugated Galvanized Steel Pipe. Culvert size shall be determined by a licensed California professional engineer or the equivalent thereof, or using the following table:

<u>Watershed Area</u>	<u>Minimum Culvert Size (Inside Diameter)</u>
0 -1 acres	15 inches
1 -3 acres	18 inches
3 – 25 acres	24 inches
25 -40 acres	30 inches
40 -60 acres	36 inches
60 -100 acres	48 inches
100 -160 acres	60 inches
160 -230 acres	72 inches
Over 230 acres	Bridge or Ford

(A) 5. Culvert outlets shall terminate on energy dissipating surfaces, adequate, in the judgement of a professional engineer or the Department of Public Works, to minimize erosive processes arising from any flows carried by said culverts.

(A) 6. The road alignment in most cases will be determined by land slope. In general, slope greater than forty percent will not meet road standards for granite soils.

(A) 7. All cut-and-fill slopes shall be seeded and fertilized with seed, fertilizer and mulch as recommended by the Soil Conservation Service for the site under consideration and the following recommendations. This shall be accomplished prior to the first growing season following completion of construction. The objective is to achieve a vegetative cover sufficient, in the judgement of the County Public Works Department, to prevent soil loss from the slopes within two growing seasons following completion of construction. If, in the judgement of said Public Works Department, this is not physically possible, some other acceptable slope stabilization method may be recommended by the Soil Conservation Service and approved by the County.

(i) SEEDING RECOMMENDATIONS

Rec. #1 "Luna" or "Topar" Pubescent Wheatgrass: 24 lbs/ac

"Berber" or "Potomac" orchardgrass: 6 lbs/ac

Zorro Annual Fescue: 4 lbs/ac

Rec. #2 Contact Soil Conservation Service for other adapted species and rates.

(ii) FERTILIZER RECOMMENDATIONS

16-20-0 at 250 lbs/ac should be applied not more than 15 days prior to seeding. An additional application of 250 lbs/ac 16-20-0 may be needed during the second growing season.

(iii) MULCH

Straw at 2 tons/ac or 100 lbs/1000 sf. If blown on, it should not be less than 6" in length. Mulch should also be tucked into the ground. Hydro mulch at 1500 lbs/ac, dye should be added to mulch. Mulching and seeding should be done at the same time.

(iv) PLANTING SCHEDULE

September 1 to October 15 (Best results are achieved with fall planting.)

March 1 to May 15

For additional information, contact Trinity County Resource Conservation District at 623-3991.

(B) 1. Lot grading in decomposed granite will not be permitted in terrain steeper than forty percent. Cuts and fills with heights greater than twenty feet vertically shall be benched with bench width of not less than six feet. Cut and fill slopes shall meet the requirements of 9(A)7.

(B) 2. Drainage shall be controlled and directed to existing drainage swales by means of ditches or underground culvert systems. Sediment basins shall be required in each drainage swale used to concentrate runoff water and energy dissipaters shall be used at the outlet of each culvert. Size of energy dissipaters shall be determined by the professional engineer designing the culvert, per one cubic yard of 8"-10" rocks per foot: of diameter of culvert used in section 9(A)4.

(B) 3. For fills intended to support structures, the grading plan shall be accompanied by a Geotechnical Report with recommendations regarding the effect of geologic conditions on the proposed site and opinions on the adequacy for the intended use of the site.

10. MAINTENANCE: The grantee agrees by the acceptance of this permit to exercise reasonable care to inspect and maintain properly any and all portions of work done and to immediately repair and make good any damage to the work done under this permit, including any and all adjoining properties and also damage to the highway which would not have occurred had such work not been done or placed adjacent thereto.

11. SURVEY MONUMENTS: In accordance with the California Business and Professions Code, section 8771 and California Streets and Highways Code sections 732 and 732.5, all Survey monuments shall be protected and/or replaced during and after construction. Permittee is responsible for preserving and/or replacing all survey monuments. If feasible, permittee must take every effort to protect monuments in place. If survey monuments must be disturbed during construction, prior to beginning construction permittee shall obtain the services of a licensed Land Surveyor or registered Civil Engineer legally authorized to practice land surveying to locate the monument and to ensure that there are sufficient monuments to allow retracement of all that might be destroyed. If any monument is disturbed or destroyed during the construction of the permitted work, permittee must obtain the services of a licensed Land Surveyor or registered Civil Engineer legally authorized to practice land surveying to replace the disturbed monument and file a Corner Record or Record of Survey, as required by law, with the County.