

- b. **Emergency Flood Control Work.** A grading permit is not required prior to earthmoving operations occurring as emergency flood control measures; however, an after-the-fact grading permit is required to document the grading completed.
6. **Stormwater Management Plan.** Regardless of the grading permit requirement or exemption, the County Engineer may require submittal of a stormwater management plan, prepared by an engineer or landscape architect licensed in the State of Wyoming, if it is necessary to determine compliance with Sec. 5.7.4. The stormwater management plan shall be approved by the County Engineer prior to any physical development.

5.7.2. Grading Standards (1/1/15)

A. General Standards

The following general standards shall be met before a grading permit is issued.

1. **Avoid Risk of Landslides.** The grading shall avoid the risk of landslides or other forms of slope failure, rock-falls, and avalanches.
2. **Not Significantly Increase Rate of Stormwater or Snowmelt Runoff.** The grading shall not significantly change the rate of stormwater or snowmelt runoff, and shall avoid or minimize the erosion of natural or constructed slopes and sediment accumulation in natural drainage channels or watercourses.
3. **Not Significantly Alter Drainage Patterns.** The grading shall not significantly alter natural drainage patterns.
4. **Conforms to General Natural Forms.** The grading shall preserve and conform to the general natural form and contours of the land surface.
5. **Preserves Natural or Established Vegetation.** The grading shall be designed to preserve natural or established vegetation as much as is practically possible.
6. **Provides for Revegetation.** The affected site area shall be revegetated as is necessary for the stabilization of disturbed surfaces with the exception of areas covered by impervious surfaces and/or structures.
7. **Allows Most Rapid Possible Recovery of Disturbed Lands.** The grading shall allow for the most rapid possible recovery of disturbed lands to natural or introduced vegetation.
8. **Stabilizes Slope.** The revegetation shall stabilize the slope and shall be compatible with native vegetation.
9. **Minimizes Cut and Fill.** The plan shall minimize cut and fill on a site. An application for a grading and erosion control permit shall be denied if it is determined that its issuance would result in excessive cutting and filling and that the intended structure or use would be feasible with less alteration of the natural terrain.

5.7.2. Grading Standards (1/1/15)

10. **Discovery of Historic or Prehistoric Ruins and Monuments.** Whenever during excavation there are uncovered, or become apparent, any historic or prehistoric ruins or monuments not previously accounted for in the issuance of a permit, all work in the immediate area shall cease until the Wyoming State Archaeologist determines what precautions shall be taken to preserve the historic or prehistoric artifacts.
11. **Maintenance and Repair Measures.** All graded surfaces, sedimentation basins, and other control measures necessary to meet the requirements of this Section shall be maintained by the applicant, landowner, or subsequent landowner during the period of land disturbance and land development of the site in a satisfactory manner to ensure adequate protection from erosion and to prevent nuisance conditions. Nuisance conditions include, but are not limited to, the tracking of dirt and mud onto public streets, and fugitive dust. Should any dredging or soil removal occur for the construction of temporary sedimentation basins or other control measures, such areas shall be restored when the temporary sedimentation basin or other control measures are removed.

B. Grading Standards

All grading activities shall meet the following technical standards.

1. **Removal of Organic Materials.** Fill areas shall be properly prepared by removing organic materials, such as vegetation and rubbish, and any other material which is detrimental to the proper compaction of the site or not otherwise conducive to the stability of the site.
2. **Site Vegetation Removal and Revegetation.** The removal of existing vegetation shall not occur more than 30 days prior to the commencement of grading, and permanent revegetation shall be commenced as soon as practical after the completion of grading. Site specific native seed mixtures shall be used to revegetate all disturbed areas with the exception of lawn and landscaped areas. Mulching shall be used in order to assure vegetation growth.
3. **Topsoil, Stripping, Stockpiling, and Redistribution.** The existing topsoil shall be stripped and stockpiled on site for redistribution over the completed final grade.
4. **Retaining Walls and Facings.** All retaining walls or facings with a total vertical projection in excess of 4 feet shall be designed as structural members keyed into stable foundations capable of sustaining the design loads, and shall be designed by a professional engineer registered in the State of Wyoming.
5. **Compaction on Structural Load Bearing Areas of the Site.** Fills on structural load bearing areas or roadways shall be compacted to at least 95% of maximum density, as determined by the American Association of State Highway and Transportation Officials (AASHTO T99, most recent edition) and/or the American Society of Testing Materials (ASTM D698, most recent edition), or to the compaction level deemed necessary by a Wyoming registered professional engineer, considering the types of soil, groundwater infiltration and percolation, degree of slope, exposure, and other factors pertaining to slope stability.

6. **Interceptor Ditches.** Interceptor ditches shall be provided above all cut slopes greater than 5 feet, with a drainage area of 13,000 square feet, unless deemed unnecessary by the County Engineer taking into account vegetation, soil type, total drainage area, topography and potential rain and snow fall. Interceptor ditches may also be required when the drainage area is less than 13,000 square feet at the discretion of the County Engineer in consideration of the factors listed above. The intercepted water shall be conveyed to a stable channel or natural drainageway with adequate capacity to carry the flow.
7. **Fill Slopes near Roads.** On roads, fill slopes shall not be located where the base of the slope is within 15 feet horizontally of the top of an exterior or planned cut slope, except at road switchbacks.
8. **Cut and Fill within Site Boundaries.** In the absence of a mutual grading easement between adjacent land owners, the tops and toes of cut and fill slopes shall be within the property lines of the proposal, and outside of right-of-way lines and vehicular access easements. Where adjacent landowners agree to waive this requirement for all or a portion of their common boundary, an easement for the grading activity, maintenance activity and the final grading configuration shall be required for each lot of record affected. A copy of the easement(s) shall be submitted for staff review as a part of the grading approval process. The easement(s) shall be recorded by the Teton County Clerk and recorded against the subject lots of record.
9. **Borrowing for Fill Prohibited.** Except for existing quarries, borrowing for fill shall be prohibited unless the fill material is obtained from a cut authorized by the issuance of a grading and erosion control permit obtained for some purpose other than to produce fill material.
10. **Cut and Fill Slopes.** Cut and fill slopes shall be graded to a slope no steeper than 2:1, or 50%, to allow for permanent revegetation or landscaping unless a retaining wall is used or a steeper slope is approved by the County Engineer. The County Engineer may require the submission of a detailed engineering report and analysis prepared by a registered State of Wyoming professional engineer relative to the safety of such cuts and fills, if necessary considering soil type, soil stability, and any proposed structures.

5.7.3. Erosion Control Standards (1/1/15)

A. Erosion Control

Erosion is to be controlled on-site, both permanently and during construction to reduce erosion and attendant pollution.

B. Design Criteria, Standards, and Specifications for Erosion Control Measures

The following standards shall apply to all grading activities during land disturbance.

1. **Site Dewatering.** Water pumped from the site shall be treated by temporary sedimentation basins, grit chambers, sand filters, up-slope chambers, hydro-cyclones, swirl concentrators, filter fences, or other appropriate controls