1. The requirements for cut slopes as delineated and noted on this drawing are intended for minimum slope standard construction. Engineers are encouraged to consider hillside construction or design which will blend with existing natural conditions, including innovative features and flatter slopes than are required by minimum slope standards.

2. All cuts shall be constructed in accordance with the applicable provisions of the Standard Specifications of the City of Eureka.

3. Continuous (not containing a road or major structure) cut slopes steeper than 6:1 shall not exceed 60 feet in vertical height from top to toe of slope unless special permission is granted by the City Engineer. Permission shall be contingent upon submission of an acceptable soils report and, where deemed necessary, a supplemental geological report.

4. The minimum distance "x" between the top of cut slope and ownership boundary shall be one-tenth the vertical height or 5 feet, whichever is greater, unless a letter of permission from the adjacent property owner is on file with the City.

5. Drainage/brow ditches are required at the top of cut slopes where: A) surface drainage is toward the cut slope; B) 100 square feet of drainage area will be intercepted by one linear foot of ditch; and C) there is a concentration of 1,500 square feet or more of area to be drained.

6. When brow ditches are used:
   a. They shall be constructed prior to any adjacent slope excavation work.
   b. A suitable outlet structure shall be provided.
   c. They shall be lined in accordance with City of Eureka Drainage and Terrace Ditches detail (D-80).
   d. They shall not exceed 400 feet in length without a downdrain between the top and the toe of the slope except as otherwise approved by the City Engineer.

7. During construction, temporary chain link fences or equivalent barriers shall be provided adjacent to the toe of cut slopes which are adjacent to developed property or public right-of-way when required by the City Engineer.

8. All cut slopes in excess of 5 feet in vertical height at a gradient steeper than 6 horizontal to 1 vertical shall be approved by the City Engineer and/or project geologist recommendations.

9. A soil stabilizer or other immediate protection satisfactory to the City Engineer shall be used on all fill slopes adjacent to developed property or public right-of-way, and all plant materials shall be approved by the City Engineer.

10. All slopes in excess of 10 feet in vertical height shall be rounded along the intersection of the face of the slope and the natural ground. This rounding shall be uniform along the entire intersection of the slope. The amount of rounding shall be \( \frac{x}{x_0} \) the maximum height of the cut slope.