1. The requirements for fill slopes as delineated and noted on this drawing are intended for minimum slope standard construction. Engineers are encouraged to consider hillslope 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 fill shall be constructed in accordance with the applicable provisions of the Standard Specifications of the City of Eureka.

3. Horizontal keys shall be constructed into stable ground, at a minimum of 10 feet wide for the first key and 4 feet wide thereafter. Horizontal keys are not required if the original ground slope is flatter than 5:1.

4. Continuous (not containing a road or major structure) fill 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 on an acceptable soils report and, where deemed necessary, a supplemental geological report.

5. The minimum distance "x" between the toe of fill slope and ownership boundary shall be one fourth the vertical height or 5 feet, whichever is less, unless a letter of permission from the adjacent property owner is on file with the City.

6. Drainage ditches are required at the top of fill slopes where: A) surface drainage is toward the fill slope; B) 50 square feet of drainage area will be intercepted by one linear foot of ditch; and C) there is a concentration of 1,000 square feet or more of area to be drained. Brow ditches 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 fill slopes which are adjacent to developed property or public right-of-way when required by the City Engineer.

8. All fill slopes in excess of 5 feet in vertical height at a gradient steeper than 6 horizontal to 1 vertical shall be planted in accordance with City Specifications, and plant materials used shall be approved by the City Engineer.

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.

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 top of the fill. This rounding shall be uniform along the entire intersection of the slope. The amount of rounding shall be \( \frac{x}{2} \) the maximum height of the slope.