The Mariposa County Board of Supervisors does hereby resolve as follows:

WHEREAS, the Mariposa County Board of Supervisors has considered policy for road improvements when, pursuant to Mariposa County Ordinance No. 429 as amended, it became necessary to make conditions and requirements for improvements on non-exclusive easements; and

WHEREAS, the definition of such standards of improvements required to promote the health and welfare of residents of the County have been established by the Planning Commission.

NOW, THEREFORE, BE IT RESOLVED that the following policy is adopted concerning Road Improvement Standards:

A. General Road Design

1. Roads which are extensions of existing roads or streets shall continue along the centerline of the existing road or street as far as practical, either in the same direction or by adjusting curves.

2. All opposing roads entering upon any given road shall have their centerlines directly opposite each other or separated by at least one hundred twenty-five feet.

3. The center line of roads shall intersect one another as nearly at right angles as practical, shall not be excessively curved, and shall conform to requirements for sight.

4. Subdivision design shall be such that appropriate full road improvement width will be provided. Part
width roads will be allowed only where unusual and
exceptional circumstances such as existing road patterns,
property divisions, and existing land development make
it impractical to provide appropriate full width roads
and public health and safety will not be compromised
by approval of such part width roads.

5. Where a subdivision or any part thereof is traversed by
any water course, channel, stream, or creek, the sub-
division shall, subject to riparian rights, indicate
the physical limits thereof and provide sufficient
easement, design and construction to dispose of surface
and storm waters originating within the subdivision.

6. Road improvements shall be constructed in such a manner
as to result in the centerline of full road improvement
width and road easement centerlines to be one and the same

7. The required easement width may have to exceed the minimum
width requirement to accommodate large cuts and fills,
and the final map must show any such variations.

8. If an easement that is to be used as access encroaches
on a County road, the applicant must submit a request
for an encroachment permit from the County Road Dept.
A copy of such application shall be submitted with the
tentative parcel map or tentative tract map. An encroach-
ment permit must be approved by the County Road Dept.
prior to any improvements being made on an easement
requiring such permit.

B. General Road Improvements

Subdivision road improvements in land use classifications or
zoning districts specifying minimum parcel sizes shall be
required to meet the following standards:

1. **less than 5 acres**
   a. 3 through 8 parcels - Class III road
   b. 9 through 14 parcels - Class IV road
   c. 15 through 100 parcels - Class V road

2. **5 to 40 acres**
   a. 3 through 14 parcels - Class III road
   b. 15 through 100 parcels - Class IV road

3. **Over 40 acres**
   a. 3 through 8 parcels - Class II road
   b. 9 through 14 parcels - Class III road
   c. 15 or more parcels - Class to be determined based upon initial study.

4. **Minor Road** - Class V

5. **Arterial or Collector Roads** - Class VI

C. **Specific Standards**

Specific Road Standards, by Class, are defined as follows:

1. **Class I**
   Dimension "A" - 30 foot or 60 foot total
   Dimension "B" - 6 foot or 12 foot total
   Dimension "C" - 6 foot or 12 foot total
   Design Speed: none
   Improvement Surface: graded, crowned, and ditched

2. **Class II**
   Dimension "A" - 30 foot or 60 foot total
   Dimension "B" - 11 foot or 22 foot total
   Dimension "C" - 10 foot or 20 foot total
   Design Speed: 25 mph
3. **Class III**

Dimension "A" - 30 foot or 60 foot total
Dimension "B" - 11 foot or 22 foot total
Dimension "C" - 10 foot or 20 foot total
Design speed: 25 mph
Improvement Surface: 2" gravel surface

4. **Class IV**

Dimension "A" - 30 foot or 60 foot total
Dimension "B" - 11 foot or 22 foot total
Dimension "C" - 11 foot or 22 foot total
Design speed: 25 mph
Improvement Surface: 3" gravel surface

5. **Class V - MINOR ROAD**

Minor Road specifications as defined by Mariposa County Improvement Standards.

6. **Class VI - ARTERIAL AND COLLECTOR ROADS**

Arterial and collector roads specifications as defined by Mariposa County Improvement Standards.

7. Pavement may be required or other means of surfacing where problems of dust may affect Public Health or Safety for various classes of roads in addition to the surface requirement described above.

D. **General Improvement Standards**

1. **Drainage**

Culvert pipe placed for cross road drainage shall be a minimum diameter of 18 inches. The developer shall submit plans showing the size and location of all drainage
structures. Design computations shall be submitted to
the County Engineer for drainage structures on any
major drainage course as determined by the County
Engineer. The computations shall include a minimum
of the following:
   a. Drainage area in acres
   b. Maximum intensity and time of concentration of
      rainfall
   c. Runoff coefficient -- any driveway encroaching on
      the access road, requiring drainage, shall have
      a minimum diameter of 12 inches.

2. Alignment
   All proposed access roads from an existing County road
or public access road shall not exceed a grade of 15
percent up to 2,500 foot elevation and 12 percent over
a 2,500 foot elevation, upon completion of
construction. Additionally, all horizontal and verti-
cal alignment shall be governed by the design speed
(based on sight distance) with a maximum super-eleva-
tion rate of 8 percent. For a given design speed,
either the minimum required radius of curvature of the
minimum length of vertical curve can be determined
from the following charts, for a given super-elevation
or a given algebraic difference in grades, respectively.
A minimum cross slope of minus 2 percent shall be
required on the final road surface except at super-
elevation transitions.

3. Earthwork
All earthwork done pursuant to the construction of any proposed access road shall comply with the State of California Department of Transportation Standard Specifications. Standards for design speed and alignment are contained in Exhibit "C".

4. Soils testing that may be required in accordance with the standards contained herein may be provided through the County Engineer's Office. Fees for such testing and inspection as may be provided, will be established by the County Engineer.

PASSED AND ADOPTED by the Mariposa County Board of Supervisors on this 24th day of October, 1978, by the following vote:

AYES: Clark, Long, Owings, Weber, Dalton

NOES: None

NOT VOTING: None

ABSENT: None

CARROLL N. CLARK, Chairman
Board of Supervisors

ELLEN BRONSON, County Clerk & Ex Officio Clerk of the Board
### ROAD STANDARD TABLE

<table>
<thead>
<tr>
<th>Parcel Size</th>
<th>Ultimate 3 To 8</th>
<th>Potential 9 To 14</th>
<th>Number Of Parcels 15 And Over</th>
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</thead>
<tbody>
<tr>
<td>Less Than 5 Acres</td>
<td>Class I Road</td>
<td>Class IV Road</td>
<td>Class V Road</td>
</tr>
<tr>
<td>5-40 Acres</td>
<td>Class II Road</td>
<td>III</td>
<td>Class IV Road</td>
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<tr>
<td>More Than 40 Acres</td>
<td>Class II Road</td>
<td></td>
<td>Road</td>
</tr>
</tbody>
</table>

**Specifications for road classes contained in exhibit "B"**
By the Planning Commission

Note: Dimensions for A, B, C to be determined

Typical Cut Section

Typical Fill Section

Slope

Rounded off at top of

Note: All slopes are to be

5' min

1:1

3'

6:1

3'

22%
<table>
<thead>
<tr>
<th>Design Speed (MPH)</th>
<th>HORIZONTAL ALIGNMENT</th>
<th>VERTICAL ALIGNMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min. Radius of Curve @ 2% Superelevation</td>
<td>Min. Radius of Curve @ 8% Superelevation</td>
</tr>
<tr>
<td>10</td>
<td>35 (FT)</td>
<td>25 (FT)</td>
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