COUNTY ROAD

CONCRETE CURB & GUTTER

BACK OF CURB

E (SIGHT LINE)

PAYING LIMITS VARY: 10' OR PROPERTY LINE WHICHEVER IS GREATER

PROPERTY LINE

15'

16' MIN. 35' MAX.

CURB & GUTTER

EXISTING PAVEMENT

HEADER BOARD JOINT (SEE DETAIL)

STRUCTURAL SECTION (SEE NOTE 1)

10% MAX. (UPSLOPE)

10% MAX. DOWNSLOPE GRADE

10' MIN. (TO PL IF GREATER)

PROFILE

NOTE:

E = 200' MINIMUM SIGHT DISTANCE FOR LOCAL ST., 100' FOR A CUL-DE-SAC.

A = ANGLE OF DRIVEWAY CENTERLINE IN RELATION TO ROAD CENTERLINE. THE ANGLE WILL BE BETWEEN 70°-90°

1. THE DRIVEWAY STRUCTURAL SECTION IS 4" OF PORTLAND CEMENT CONCRETE OR 2 1/2" ASPHALT CONCRETE OVER 4" OF AGGREGATE BASE.

2. THOSE DRIVEWAYS EXCEEDING 20%, EITHER UP OR DOWN IN GRADE, WILL REQUIRE A GRADING PERMIT.

3. NO PORTION OF A DRIVEWAY WILL BE WITHIN 25' FROM A RADIUS RETURN, NOR 10' FROM A FIRE HYDRANT.
NOTES:

E = 200' minimum sight distance for local st., 100' for a cul-de-sac.

A = Angle of driveway centerline in relation to road centerline, the angle will be between 70°-90°.

1. The driveway structural section is 2 1/2" asphalt concrete over 4' of aggregate base.

2. Those driveways exceeding 20% either up or down in grade, will require a grading permit.

3. No portion of a driveway will be within 25' from a radius return, nor 10' from a fire hydrant.
COUNTY ROAD

E = 200' MINIMUM SIGHT DISTANCE FOR LOCAL ST., 100' FOR A CUL-DE-SAC.

A = ANGLE OF DRIVEWAY CENTERLINE IN RELATION TO ROAD CENTERLINE, THE ANGLE WILL BE BETWEEN 70°-100°

1. DRIVEWAY STRUCTURAL SECTION IS 2 1/2" ASPHALT CONCRETE AND 4" OF AGGREGATE BASE.

2. THOSE DRIVEWAYS EXCEEDING 20% EITHER UP OR DOWN IN GRADE, WILL REQUIRE A GRADING PERMIT.

3. NO PORTION OF A DRIVEWAY WILL BE WITHIN 25' FROM A RADIUS RETURN, NOR 10' FROM A FIRE HYDRANT.

4. MINOR COLLECTORS WILL REQUIRE MAXIMUM WIDTH DIMENSION ON DRIVEWAY.

NOT TO SCALE
COUNTY ROAD SPEED

<table>
<thead>
<tr>
<th>Width</th>
<th>Minimum Sight Distance for Local ST, 100' for A Cul-de-Sac.</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>70' - 110'</td>
</tr>
<tr>
<td>30</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>E = 200' Minimum Sight Distance for Local ST, 100' for A Cul-de-Sac.</td>
</tr>
<tr>
<td>40</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td></td>
</tr>
</tbody>
</table>

A = Angle of Driveway Centerline in Relation to Road Centerline, the Angle Will Be Between 70° - 110°

1. Driveway Structural Section is 2 1/2" Asphalt Concrete and 4" of Aggregate Base.
2. Those Driveways Exceeding 20%, Either Up or Down in Grade, Will Require a Grading Permit.
3. No Portion of a Driveway Will Be Within 25' from a Radius Return, Nor 10' from a Fire Hydrant.

El Dorado County
Department of Transportation
Design Standards

Driveway Connection
Single Unit Residence
Class 1 Subdivision
Only Where A/C Dike Exists

103B-2
**DRIVEWAY CLASSIFICATIONS**

**MINOR COMMERCIAL/INDUSTRIAL**

<table>
<thead>
<tr>
<th>A</th>
<th>90°</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>10 TIMES THE OPERATIONAL SPEED OF TRAFFIC</td>
</tr>
<tr>
<td>G1</td>
<td>3&quot; DOWN FROM E.P.</td>
</tr>
<tr>
<td>G2</td>
<td>5% MAXIMUM</td>
</tr>
<tr>
<td>W</td>
<td>35 FEET</td>
</tr>
<tr>
<td>X1</td>
<td>20 FT. (25' COLLECTOR)</td>
</tr>
<tr>
<td>X2</td>
<td>35 FT. (50' COLLECTOR)</td>
</tr>
</tbody>
</table>

**MULTI-UNIT RESIDENTIAL LOCAL RD.**

<table>
<thead>
<tr>
<th>A</th>
<th>90°</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>10 TIMES THE OPERATIONAL SPEED ON THE HIGHWAY</td>
</tr>
<tr>
<td>G1</td>
<td>3&quot; DOWN FROM E.P.</td>
</tr>
<tr>
<td>G2</td>
<td>5% MAXIMUM</td>
</tr>
<tr>
<td>W</td>
<td>24 FEET</td>
</tr>
<tr>
<td>X1</td>
<td>20 FT. (25' COLLECTOR)</td>
</tr>
<tr>
<td>X2</td>
<td>35 FT. (50' COLLECTOR)</td>
</tr>
</tbody>
</table>

**SINGLE UNIT RESIDENTIAL (ARTERIALS AND MAJOR COLLECTORS)**

<table>
<thead>
<tr>
<th>A</th>
<th>90°</th>
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<tbody>
<tr>
<td>E</td>
<td>300 FT. MINIMUM</td>
</tr>
<tr>
<td>G1</td>
<td>3&quot; DOWN FROM E.P.</td>
</tr>
<tr>
<td>G2</td>
<td>5% MAXIMUM</td>
</tr>
<tr>
<td>W</td>
<td>24 FEET</td>
</tr>
<tr>
<td>X1</td>
<td>20 FT. (25' COLLECTOR)</td>
</tr>
<tr>
<td>X2</td>
<td>35 FT. (50' COLLECTOR)</td>
</tr>
</tbody>
</table>

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**NOT TO SCALE**

**EL DORADO COUNTY**

DEPARTMENT OF TRANSPORTATION

**DESIGN STANDARDS**

**DRIVEWAY CONNECTIONS**

MINOR COMMERCIAL/INDUSTRIAL

(WITHOUT CONCRETE CURB AND GUTTER)

MULTI-UNIT RESIDENTIAL

SINGLE UNIT RESIDENTIAL

(ARTERIALS & MAJOR COLLECTOR)

**STD. PLAN**

103C
COUNTY ROAD

EDGE OF EXISTING PAVEMENT

SIGHT LINE (C)

TAPER

40' MIN.

LAT 50' FROM C IF ON ARTERIAL OR COLLECTOR

EXIST. FL

3' MIN.

VALLEY GUTTER

5% MAX. UPSLOPE GRADE

5% MAX. DOWNSLOPE GRADE

STRUCTURAL SECTION (SEE NOTE 1)

PLAN

PROFILE

NOTES:

<table>
<thead>
<tr>
<th>ENTRANCE CLASSIFICATION</th>
<th>I.</th>
<th>II.</th>
<th>III.</th>
<th>IV.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>75' - 110'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>10 TIMES THE OPERATIONAL SPEED OF TRAFFIC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>24' MAX.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. THE STRUCTURAL SECTION IS 2 1/2" OF ASPHALT CONCRETE PER CALTRANS SPEC. SECTION 39, OVER 6" OF CLASS II AGGREGATE BASE PER CALTRANS SPECS.

2. ADDITIONAL DRAINAGE STRUCTURES NEEDED IF HYDRAULIC STUDIES WARRANT.
NOTES:

A. 70' - 110'

E. 10 TIMES THE OPERATIONAL SPEED OF TRAFFIC

1. THE STRUCTURAL SECTION IS 2 1/2" OF ASPHALT CONCRETE PER CALTRANS SPEC. SECTION 39. OVER 6" OF CLASS II AGGREGATE BASE PER CALTRANS SPECS.

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NOTES:

A  70’ - 110’

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1. THE STRUCTURAL SECTION IS 2 1/2” OF ASPHALT CONCRETE PER CALTRANS SPEC. SECTION 39. OVER 6” OF CLASS II AGGREGATE BASE PER CALTRANS SPECS.

2. ADDITIONAL DRAINAGE STRUCTURES NEEDED IF HYDRAULIC STUDIES WARRANT.

NOT TO SCALE

EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS

MAJOR COLLECTOR TO
COLLECTOR/ARTERIAL

STD. PLAN
103F
NOTES:

1. WHERE A COMMERCIAL DRIVE IS TO BE PLACED IN EXISTING ROLLED CURB, TWO FEET OF STANDARD (TYPE 2) CURB AND GUTTER WITH 6 FOOT TRANSITIONS SHALL BE PLACED ON BOTH SIDES OF THE DRIVEWAY.

2. NO VERTICAL CURB AND GUTTER ABOVE 3000 FT. ELEVATION.

3. 2500 P.S.I. (POUNDS PER SQUARE INCH) STRENGTH REQUIRED ON CONCRETE AT 28 DAYS.

4. MINIMUM SIGHT DISTANCE ALLOWABLE IS 200' OR 10% OF THE COUNTY ROAD SPEED.