DPW COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS

PRIVATE ROAD IMPROVEMENT PLAN CHECKLIST

THIS CHECKLIST SHALL BE COMPLETED FOR ALL PRIVATE ROAD IMPROVEMENT PLANS

Date: _____

Project Number: _____ Date Approved: _____

Engineer-of-Work: _____ RCE NO. _____

DPW Project Manager: _____

DPW Plan Processor: _____

1. PRIVATE ROAD IMPROVEMENTS HAVE BEEN CONDITIONED TO MEET THE FOLLOWING DESIGN STANDARD:

   ☐ 1999 Pvt. Rd. Standards Section 3.1.B or C
   ☐ 1982 Pvt. Rd. Standards Section 3.1.B or C
   ☐ Section 81.706(c) [Mar '75 - Oct '80]
   ☐ Section 81.703.b.(1) & (2) [Oct '80 - Apr '82]
   ☐ Section 81.703.c.(1) &(2) [Oct '80 - Apr '82)
   ☐ Cross-Slope Standards [1972 - 1975]

   Note: Cross-Slope requirements are dependent on parcel size and original ground cross-slope: <10k sq ft = 30' graded width; >10k sq ft with 0%-5% cross-slope = 24' graded, 6%-20% cross-slope = 20' graded width, and >21% cross-slope = 16' graded width.

2. PRIVATE ROAD IMPROVEMENTS SHALL BE DESIGNED TO ACCOMMODATE THE FOLLOWING NUMBER OF VEHICLE TRIPS PER DAY (ADT):

   ☐ 100 or less
   ☐ 101 - 750
   ☐ 751 - 2500

   Note: Road improvement width under Section 81.703 of the Subdivision Ordinance and 1982 or 1999 Private Road Standards are based on Average Daily Trips (ADT).

3. MINIMUM HORIZONTAL RADIUS:

   ☐ 50 ft to 99 ft under 1982 Pvt. Rd. Stds*
   ☐ 60 ft to 99 ft under 1999 Pvt. Rd. Stds*
   ☐ 100 ft - 149 ft radius
   ☐ 150 ft - 199 ft radius
   ☐ 200 ft or greater radius

   * Requires written Exception to Road Standards request

   Note: The minimum horizontal radius requirements do not apply to private road improvements under the Cross-Slope, Section 81.703, or 81-706 Standards.

4. Vertical curves have been designed to meet the following vertical curve design speeds:

   ☐ 15 - 19 mph*
   ☐ 20 - 24 mph**
   ☐ 25 - 29 mph**
   ☐ 30 mph or greater

   * Requires written Exception to Road Standards request, ** May require Exception to Road Standards when design speed is less than required under the Private Road Standards

5. Road surfacing shall meet the following minimum structural sections:

   ☐ 6" D.G.
   ☐ 2 ½ " A.C. over 4" A.B. Minimum for residential roads (See Note)
   ☐ 3" A.C. over 7" A.B. Minimum for industrial and commercial roads (See Note)
   ☐ Other Structural Section: ____ inches A.C. over ____ inches A.B (See Note)

   Note: The engineer-of-work shall submit the proposed structural section for approval by the DPW Materials Lab.

6. Improved and graded width:

   ☐ Meets Section 81.706(c) requirements
   ☐ Meets Section 81.703(b) & (c) requirements
   ☐ 20' improved on 28' graded under 1982 Pvt. Rd. Stds.
   ☐ 24' improved on 28' graded under 1999 Pvt. Rd. Stds.
   ☐ Project conforms to residential driveway standards

Note: 81.706(c) requires 30' graded width for all lots 10k sq ft or less, lots 10k sq ft or over 0%-5% width = 24', 6%-20% width = 20', 21% or greater width = 16'. Section 81.703(b), 100 ADT or less = 16' improved/24' graded, 101-750 ADT = 20'improved/28' graded, and 751-2500 ADT = 24' improved/32' graded. Section 81.703(c) same as residential criteria except 3" of D.G. is allowed.

7. Maximum grade:

- ☐ 20% or less
- ☐ Grades 20% to 25% with exception request approved by the Director of Public Works, which may require Fire District review and recommendation

8. Drainage Requirements:

New roads shall be designed to carry anticipated drainage, which may occur along, over, and/or across the road, in accordance with County Standards or Policies. Drainage shall not be diverted onto and/or across an existing road without adequate drainage improvements.

- ☐ All culverts and dip sections have been designed to carry the 100-year frequency storm.
- ☐ All culvert pipes to be installed shall be new with a design life expectancy of minimum 25-years.
- ☐ HDPE pipe shall be designed in accordance with the County Drainage Design Manual Appendix B for Fire Mitigation.
- ☐ No diversion of drainage will occur beyond project limits.

9. Sight Distance:

Private road intersections have been designed to the following requirements:

- ☐ Intersectional Sight Distance
- ☐ AASHTO Stopping Sight Distance*
- ☐ Engineer has used appropriate engineering judgment with regards to available sight distance at existing private road intersections.

* Requires Exception to Road Standards.

Note: Private to Public road intersections shall be reviewed by the Department of Public Works with intersectional sight distance calculations based on the observed prevailing speed or design speed whichever is greater.

10. Erosion Control BMPs:

- ☐ Construction BMPs have been incorporated into the project design.
- ☐ Slope planting for all slopes 3' and greater.
- ☐ Project proposes planting to be maintained until at least 70% coverage and until growth is established.
- ☐ Irrigation for all slopes 3' and greater.
- ☐ No soil disturbance will occur as part of this project.

11. Watershed Protection Ordinance and Standard Urban Stormwater Mitigation Plan (SUSMP):

The engineer-of-work has completed one of the following:

- ☐ Stormwater Management Plan (Minor SWMP) for Minor Projects Form ZC #38.
- ☐ Stormwater Management Plan for Priority Projects (Major SWMP)

Post Construction BMPs: Refer to project SWMP for site design, source control, and treatment control. BMPs to be installed in accordance with County SUSMP and WPO requirements.

12. All projects:

- ☐ Private road improvement plans have been reviewed and signed by local Fire District/Authority.
- ☐ Road improvements have been designed in conformance with TM/TPM Number _____ Project Conditions or Covenant of Improvement Doc. No. _____.

Signature _____ Date _____
(Engineer-of-Work)

[Stamp]

FOR STAFF USE ONLY

Reviewed by _____ **Date** _____
(County Staff)