

HUMBOLDT COUNTY DEPARTMENT OF PUBLIC WORKS  
ROAD EVALUATION REPORT



**PART A:** Part A may be completed by the applicant

Applicant Name: Tierra Verde Holdings LLC APN: 218-021-003

Planning & Building Department Case/File No.: CUP16-343 / SP17-040 / Apps # 11694

Road Name: Road "A" (complete a separate form for each road)

From Road (Cross street): Island Mountain Rd.

To Road (Cross street): ~~Western~~ <sup>Eastern</sup> Property Line of Apn 218-021-003

Length of road segment: ~~1.4~~ 1.7 miles Date Inspected: 4/11/19

Road is maintained by:  County  Other Private  
(State, Forest Service, National Park, State Park, BLM, Private, Tribal, etc)

Check one of the following:

**Box 1**  The entire road segment is developed to Category 4 road standards (20 feet wide) or better. If checked, then the road is adequate for the proposed use without further review by the applicant.

**Box 2**  The entire road segment is developed to the equivalent of a road category 4 standard. If checked, then the road is adequate for the proposed use without further review by the applicant.

*An equivalent road category 4 standard is defined as a roadway that is generally 20 feet in width, but has pinch points which narrow the road. Pinch points include, but are not limited to, one-lane bridges, trees, large rock outcroppings, culverts, etc. Pinch points must provide visibility where a driver can see oncoming vehicles through the pinch point which allows the oncoming vehicle to stop and wait in a 20 foot wide section of the road for the other vehicle to pass.*

**Box 3**  The entire road segment is not developed to the equivalent of road category 4 or better. The road may or may not be able to accommodate the proposed use and further evaluation is necessary. Part B is to be completed by a Civil Engineer licensed by the State of California.

The statements in PART A are true and correct and have been made by me after personally inspecting and measuring the road.

Stephen G. Nesvold PE  
Signature

STEPHEN G. NESVOLD PE  
Name Printed



12/30/15  
Date

Important: Read the instructions before using this form. If you have questions, please call the Dept. of Public Works Land Use Division at 707.445.7205.

**PART B: Only complete Part B if Box 3 is checked in Part A. Part B is to be completed by a Civil Engineer licensed by the State of California. Complete a separate form for each road.**

Road Name: \_\_\_\_\_ Date Inspected: \_\_\_\_\_ APN: \_\_\_\_\_  
From Road: \_\_\_\_\_ (Post Mile \_\_\_\_\_ ) Planning & Building  
To Road: \_\_\_\_\_ (Post Mile \_\_\_\_\_ ) Department Case/File No.:

1. What is the Average Daily Traffic (ADT) of the road (including other known cannabis projects)?

Number of other known cannabis projects included in ADT calculations: \_\_\_\_\_  
(Contact the Planning & Building Department for information on other nearby projects.)

ADT: \_\_\_\_\_ Date(s) measured: \_\_\_\_\_

Method used to measure ADT:  Counters  Estimated using ITE Trip Generation Book

Is the ADT of the road less than 400?  Yes  No

If YES, then the road is considered very low volume and shall comply with the design standards outlined in the American Association of State Highway and Transportation Officials (AASHTO) *Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT ≤400)*. Complete sections 2 and 3 below.

If NO, then the road shall be reviewed per the applicable policies for the design of local roads and streets presented in AASHTO *A Policy on Geometric Design of Highways and Streets*, commonly known as the "Green Book". Complete section 3 below.

2. Identify site specific safety problems with the road that include, but are not limited to: (Refer to Chapter 3 in AASHTO *Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT ≤400)* for guidance.)

A. Pattern of curve related crashes.

Check one:  No.  Yes, see attached sheet for Post Mile (PM) locations.

B. Physical evidence of curve problems such as skid marks, scarred trees, or scarred utility poles

Check one:  No.  Yes, see attached sheet for PM locations.

C. Substantial edge rutting or encroachment.

Check one:  No.  Yes, see attached sheet for PM locations.

D. History of complaints from residents or law enforcement.

Check one:  No.  Yes ( check if written documentation is attached)

E. Measured or known speed substantially higher than the design speed of the road (20+ MPH higher)

Check one:  No.  Yes.

F. Need for turn-outs.

Check one:  No.  Yes, see attached sheet for PM locations.

3. Conclusions/Recommendations per AASHTO. Check one:

The roadway can accommodate the cumulative increased traffic from this project and all known cannabis projects identified above.

The roadway can accommodate the cumulative increased traffic from this project and all known cannabis projects identified above, if the recommendations on the attached report are done. ( check if a *Neighborhood Traffic Management Plan* is also required and is attached.)

The roadway cannot accommodate increased traffic from the proposed use. It is not possible to address increased traffic.

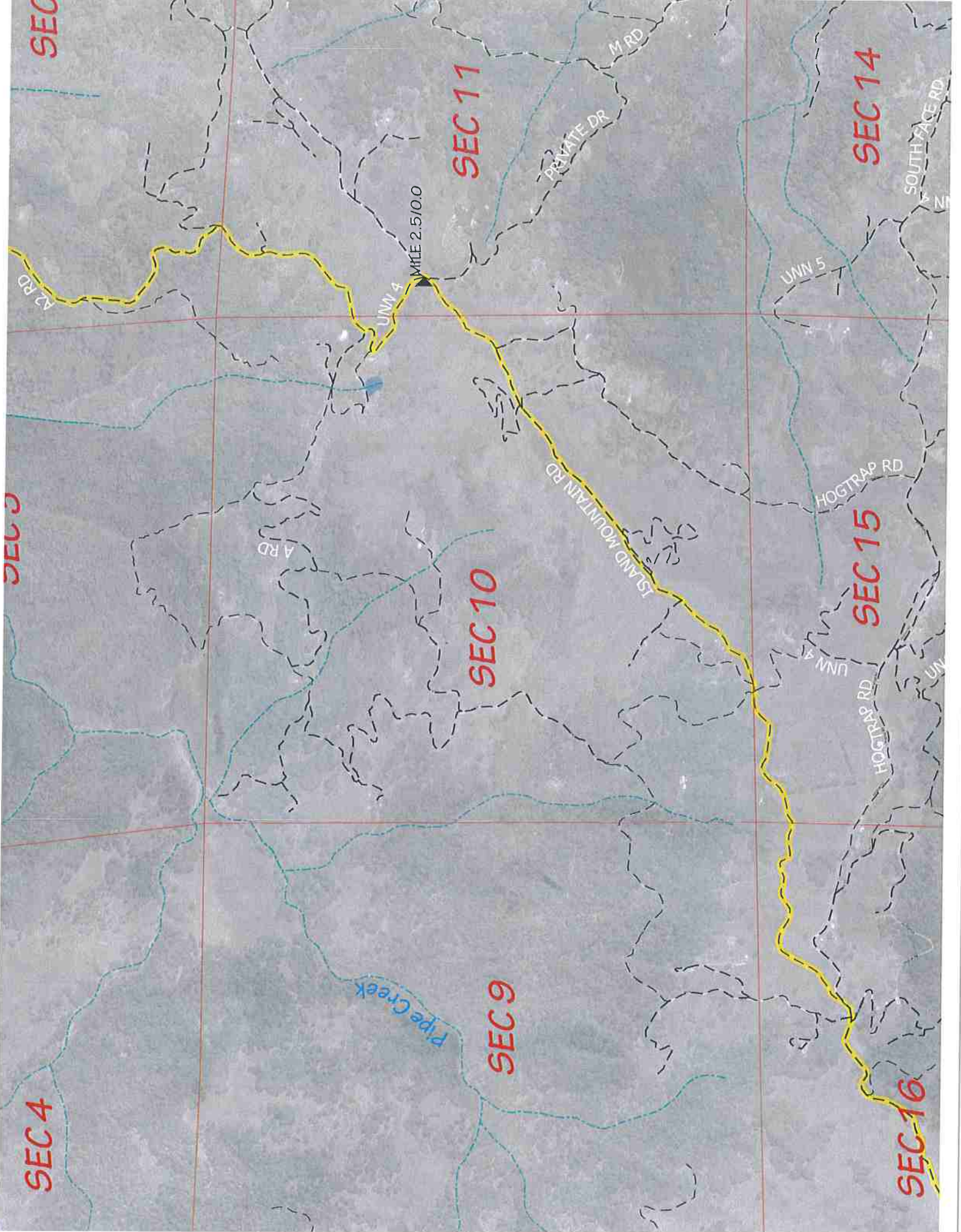
A map showing the location and limits of the road being evaluated in PART B is attached. The statements in PART B are true and correct and have been made by me after personally evaluating the road.

Signature of Civil Engineer \_\_\_\_\_

Date \_\_\_\_\_

(SEAL)

**Important: Read the instructions before using this form. If you have questions, please call the Dept. of Public Works Land Use Division at 707.445.7205.**



SEC

SEC 11

SEC 14

MILE 2.5/0.0

UMN 4

UMN 5

PRIVATE DR

SOUTH FACE RD

A2 RD

A RD

SEC 10

SEC 15

ISLAND MOUNTAIN RD

HOGTRAP RD

UMN 4

HOGTRAP RD

Pipe Creek

SEC 9

SEC 4

SEC 16

# Road Evaluation – Supporting Imagery

## Road A

April 11, 2019

Steve Nesvold PE, Tom Dubiel

**Mile 0.0** (After Road A Turnoff from Island Mountain Road) Turnout to right



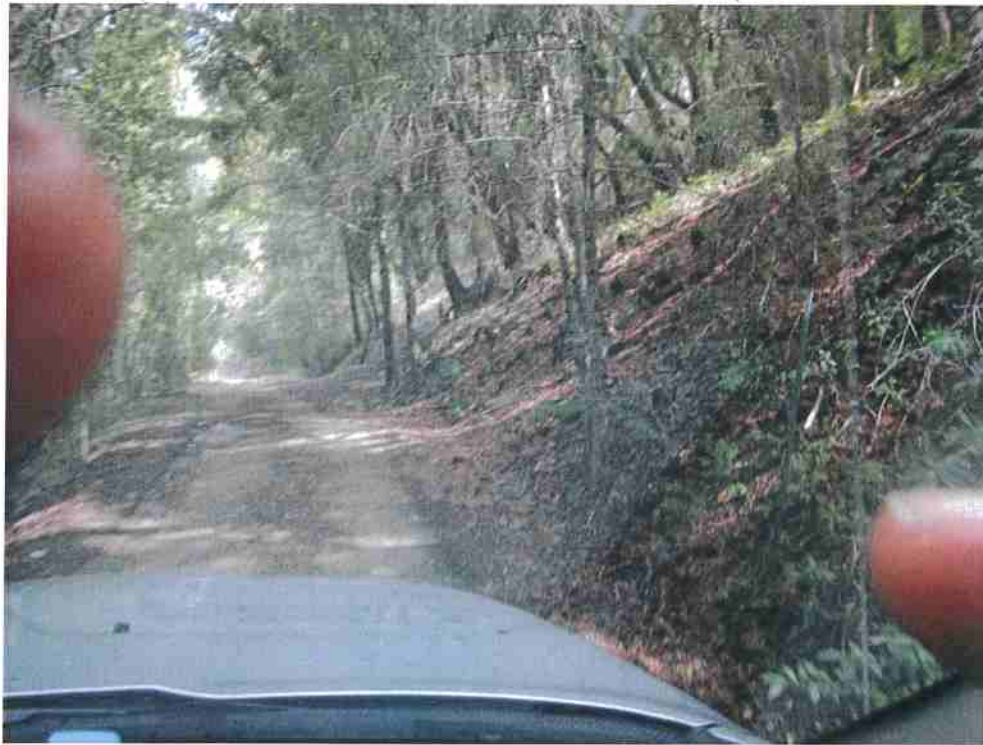
**Mile 0.2** (Road A) Good Sight Distance of hairpin turn



**Mile 0.9 (Road A)**



**Mile 1.1 (Road A)**



**Mile 1.3 (Road A)**



**Mile 1.4 (Road A)**



**Mile 1.6 (Road A) Small narrow section**



**Mile 1.7 (Road A)**





DEPARTMENT OF PUBLIC WORKS  
**COUNTY OF HUMBOLDT**

MAILING ADDRESS: 1106 SECOND STREET, EUREKA, CA 95501-0579  
AREA CODE 707

ARCATA-EUREKA AIRPORT TERMINAL  
McKINLEYVILLE  
FAX 839-3596

PUBLIC WORKS BUILDING  
SECOND & L ST., EUREKA  
FAX 445-7409

CLARK COMPLEX  
HARRIS & H ST., EUREKA  
FAX 445-7388

AVIATION 839-5401

ADMINISTRATION 445-7491  
BUSINESS 445-7652  
ENGINEERING 445-7377  
FACILITY MAINTENANCE 445-7493

NATURAL RESOURCES 445-7741  
NATURAL RESOURCES PLANNING 267-9540  
PARKS 445-7651  
ROADS & EQUIPMENT MAINTENANCE 445-7421

LAND USE 445-7205

---

---

**ROAD EVALUATION REPORT INSTRUCTIONS**

---

---

**PURPOSE:** The *Road Evaluation Report* is intended as a way for an applicant to document the condition of the access road(s) serving the subject property for cannabis projects that require a Conditional Use Permit (CUP) or Special Permit (SP). This report is not intended to be used for any other type of Planning & Building Department permit application. This will enable Public Works staff to determine if the existing roadway network [excluding on-site driveway(s)] is suitable to accommodate the proposed use on the subject property.

In rural areas, a category 4 road is usually adequate for most uses. If the road is paved and has a centerline stripe it is considered by the Department to be a category 4 road. In urban and suburban areas, the road may also need to accommodate other road users (pedestrians, bicycles, equestrians, etc.). When roads meet or exceed this standard, the roadways can typically accommodate increased traffic. This evaluation is accomplished by the applicant completing Part A of the *Road Evaluation Report*.

When the roadways do not meet a category 4 standard, there is a question that road may not be able to accommodate traffic from the proposed use. The goal is to evaluate roads that do not meet road category 4 standards in order to determine if the roads can accommodate increased traffic. This evaluation is accomplished by the applicants engineer completing Part B of the *Road Evaluation Report*.

In lieu of constructing road improvements to meet a category 4 road standard, the Department may approve a *Neighborhood Traffic Management Plan*. A neighborhood traffic management plan may include (but is not limited) the following elements: restricting the times that project traffic will use the road to off-peak hours; combining trips to reduce the volume of project traffic; carpooling to reduce the volume of project traffic; the use of signs and CB radios to coordinate traffic using the road(s); etc. The Department's criteria for approving a *Neighborhood Traffic Management Plan* is based upon site specific conditions; sound engineering judgment; the proposed ADT and DHV of the roads; the need to accommodate other road users (pedestrians, bicycles, equestrians, and other cannabis projects using the road, etc.); and the frequency and quantity of traffic associated with the proposed use. The applicant's Civil Engineer can address this in Part B of the *Road Evaluation Report*.

There may be other cannabis projects that use the same access road(s) as your project. Part B of the *Road Evaluation Report* needs to address the cumulative impacts from your project and all other cannabis projects that will also use the same road(s). There may be benefits of applicants collectively working together with one engineer to complete the *Road Evaluation Reports* for all of the projects.

*(continued on next page)*

## REFERENCES:

- Humboldt County *Road Design Manual*, Chapter 7, Design Standards for Roadway Categories.
- American Association of State Highway and Transportation Officials (AASHTO) *Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT ≤400)*.
- American Association of State Highway and Transportation Officials (AASHTO) *A Policy on Geometric Design of Highways and Streets* (AKA "Green Book")
- Institute of Transportation Engineers (ITE) *Trip Generation*

**INSTRUCTIONS:** The *Road Evaluation Report* consists of two parts. The first part (Part A) *may* be completed by the applicant. If the second part (Part B) is needed, it *must* be completed by a Civil Engineer licensed by the State of California. The .pdf version of this document provides fields that can be filled in.

A separate *Road Evaluation Report* is required for each road. **Save Time: before completing these forms consult with the Land Use Division at 707.445.7205 to make sure you are evaluating all of the necessary roads for your project; that other cannabis projects in the vicinity have been included; and to make sure that you understand what is needed.**

Special instructions to the applicant's Civil Engineer in completing Part B:

- Engineer will need to contact the Department for a list of other cannabis projects that may be using all or some of the same roads in the roadway network.
- Engineer will need to determine which of these projects utilize the roads within the same roadway network by personally reviewing the cannabis project applications at the Planning & Building Department. Many of the cannabis project applications are incomplete; therefore the engineer may need to directly contact other applicants to determine how these other cannabis projects will utilize the roads in question.
- Engineer may propose a master plan in which any required roadway improvements are incrementally divided among several cannabis projects. However, the master plan must be designed so that improvements to the road(s) will be adequate when constructed incrementally.

// END //