

DEVIATION REQUEST (Attach diagrams, figures, and other documentation to clarify request)

A deviation from the standards of or in Section 2.3.2 of the Engineering Criteria Manual (ECM) is requested.

Identify the specific ECM standard which a deviation is requested:

Section 2.3.2 Design Standards by Functional Classification: Minimum Centerline Curve Radius for Major Collector, as shown in Table 2-5. Roadway Design Standards for Rural Collectors and Locals.

State the reason for the requested deviation:

The 2040 classification of the El Paso County 2016 MTCP show future plans for a minor arterial roadway passing through the northeast corner of the Owner's property. If a roadway was constructed through this area at a design speed of 50-mph, approximately 6-acres of land would need to be dedicated by the Owner to the County. Reducing the speed limit in this area by just 5-mph would reduce the amount of land dedicated from approximately 6-acres to approximately 3.2-acres and is much more reasonable for the Owner.

Explain the proposed alternative and compare to the ECM standards (May provide applicable regional or national standards used as basis):

A deviation is proposed for the posted speed limit for the anticipated, future roadway. ECM standard is a 50mph design speed and 930-foot centerline radius. The proposed deviation is for a 45mph design speed and 711-foot centerline radius.

Applicable Regional or National Standards used as Basis: AASHTO standards for minimum radii and superelevation for low-speed urban streets was utilized using superelevation distribution method 2.

LIMITS OF CONSIDERATION

(At least one of the conditions listed below must be met for this deviation request to be considered.)

- The ECM standard is inapplicable to the particular situation.
- Topography, right-of-way, or other geographical conditions or impediments impose an undue hardship and an equivalent alternative that can accomplish the same design objective is available and does not compromise public safety or accessibility.
- A change to a standard is required to address a specific design or construction problem, and if not modified, the standard will impose an undue hardship on the applicant with little or no material benefit to the public.

Provide justification:

A roadway through the property is not being removed from future consideration with this request. The only change would be a slight reduction in the posted speed limit along the roadway

The request is for a reduction in the design speed of the roadway from 50mph to 45mph. This would, in turn, reduce the required minimum centerline curve radius from 930-feet to 711-feet per AASHTO standards. With this, the Owner of the property will not have to sacrifice an excessive portion of their property and the County will still be granted enough land for an adequate roadway from Roller Coaster Road.

CRITERIA FOR APPROVAL

Per ECM section 5.8.7 the request for a deviation may be considered if the request is **not based exclusively on financial considerations**. The deviation must not be detrimental to public safety or surrounding property. The applicant must include supporting information demonstrating compliance with **all of the following criteria**:

The deviation will achieve the intended result with a comparable or superior design and quality of improvement.

The deviation will achieve the same result, as the tract of land being given to the County is adequate for roadway construction

The deviation will not adversely affect safety or operations.

As the speed limit will be reduced in this area, this may lead to a more safe roadway as a result of this deviation.

The deviation will not adversely affect maintenance and its associated cost.

A shorter length of roadway will be constructed with this deviation. Therefore, maintenance costs are anticipated to be reduced.

The deviation will not adversely affect aesthetic appearance.

The aesthetic appearance of the roadway will not be negatively affected due solely on the change in roadway curvature.

The deviation meets the design intent and purpose of the ECM standards.

The deviation will still allow a roadway be built in the future as intended by El Paso County. The speed limit would simply be reduced, which does not negatively impact the design intent of the roadway.

The deviation meets the control measure requirements of Part I.E.3 and Part I.E.4 of the County's MS4 permit, as applicable.

The site is not within the County's MS4 Permit Area, therefore this is not applicable.

This roadway is not being constructed at this time. When the road is constructed, the MS4 permit requirements in effect at that time will be implemented.

REVIEW AND RECOMMENDATION:

Approved by the ECM Administrator

This request has been determined to have met the criteria for approval. A deviation from Section 2.3.2 of the ECM is hereby granted based on the justification provided.

┌ **Approved**  ┐
└ **By: Elizabeth Nijkamp** ┘
└ **Date: 03/17/2020** ┘
└ El Paso County Planning & Community Development ┘

Denied by the ECM Administrator

This request has been determined not to have met criteria for approval. A deviation from Section _____ of the ECM is hereby denied.

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ECM ADMINISTRATOR COMMENTS/CONDITIONS:

1.1. PURPOSE

The purpose of this resource is to provide a form for documenting the findings and decision by the ECM Administrator concerning a deviation request. The form is used to document the review and decision concerning a requested deviation. The request and decision concerning each deviation from a specific section of the ECM shall be recorded on a separate form.

1.2. BACKGROUND

A deviation is a critical aspect of the review process and needs to be documented to ensure that the deviations granted are applied to a specific development application in conformance with the criteria for approval and that the action is documented as such requests can point to potential needed revisions to the ECM.

1.3. APPLICABLE STATUTES AND REGULATIONS

Section 5.8 of the ECM establishes a mechanism whereby an engineering design standard can be modified when if strictly adhered to, would cause unnecessary hardship or unsafe design because of topographical or other conditions particular to the site, and that a departure may be made without destroying the intent of such provision.

1.4. APPLICABILITY

All provisions of the ECM are subject to deviation by the ECM Administrator provided that one of the following conditions is met:

- The ECM standard is inapplicable to a particular situation.
- Topography, right-of-way, or other geographical conditions or impediments impose an undue hardship on the applicant, and an equivalent alternative that can accomplish the same design objective is available and does not compromise public safety or accessibility.
- A change to a standard is required to address a specific design or construction problem, and if not modified, the standard will impose an undue hardship on the applicant with little or no material benefit to the public.

1.5. TECHNICAL GUIDANCE

The review shall ensure all criteria for approval are adequately considered and that justification for the deviation is properly documented.

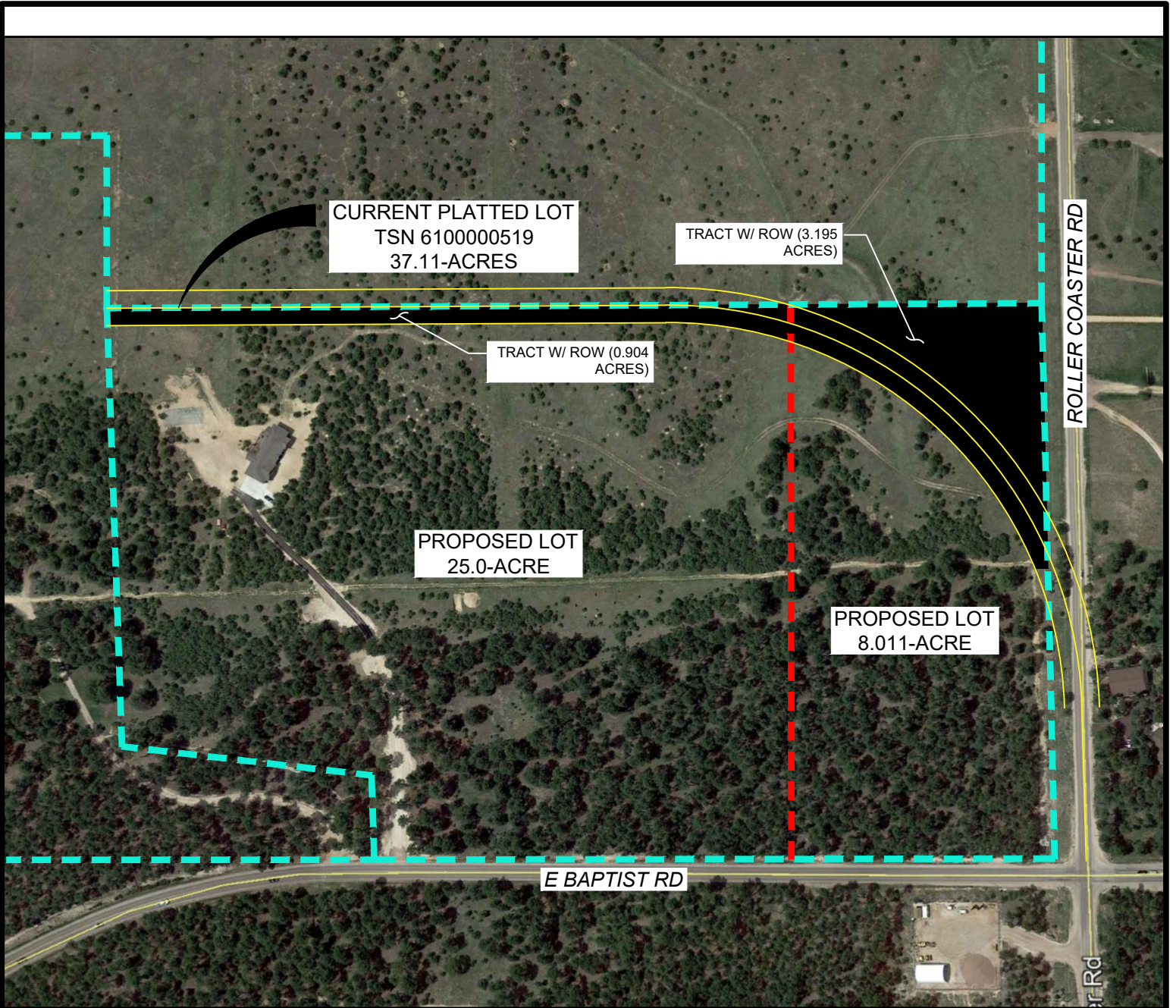
1.6. LIMITS OF APPROVAL

Whether a request for deviation is approved as proposed or with conditions, the approval is for project-specific use and shall not constitute a precedent or general deviation from these Standards.

1.7. REVIEW FEES

A Deviation Review Fee shall be paid in full at the time of submission of a request for deviation. The fee for Deviation Review shall be as determined by resolution of the BoCC.

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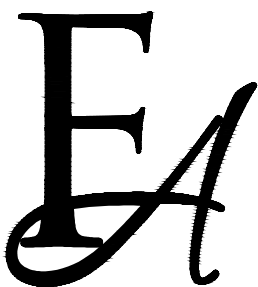
VICINITY MAP

SCALE: 1" = 250'

DATE:
01/10/19

TANJA CURTIS - SUBDIVISION

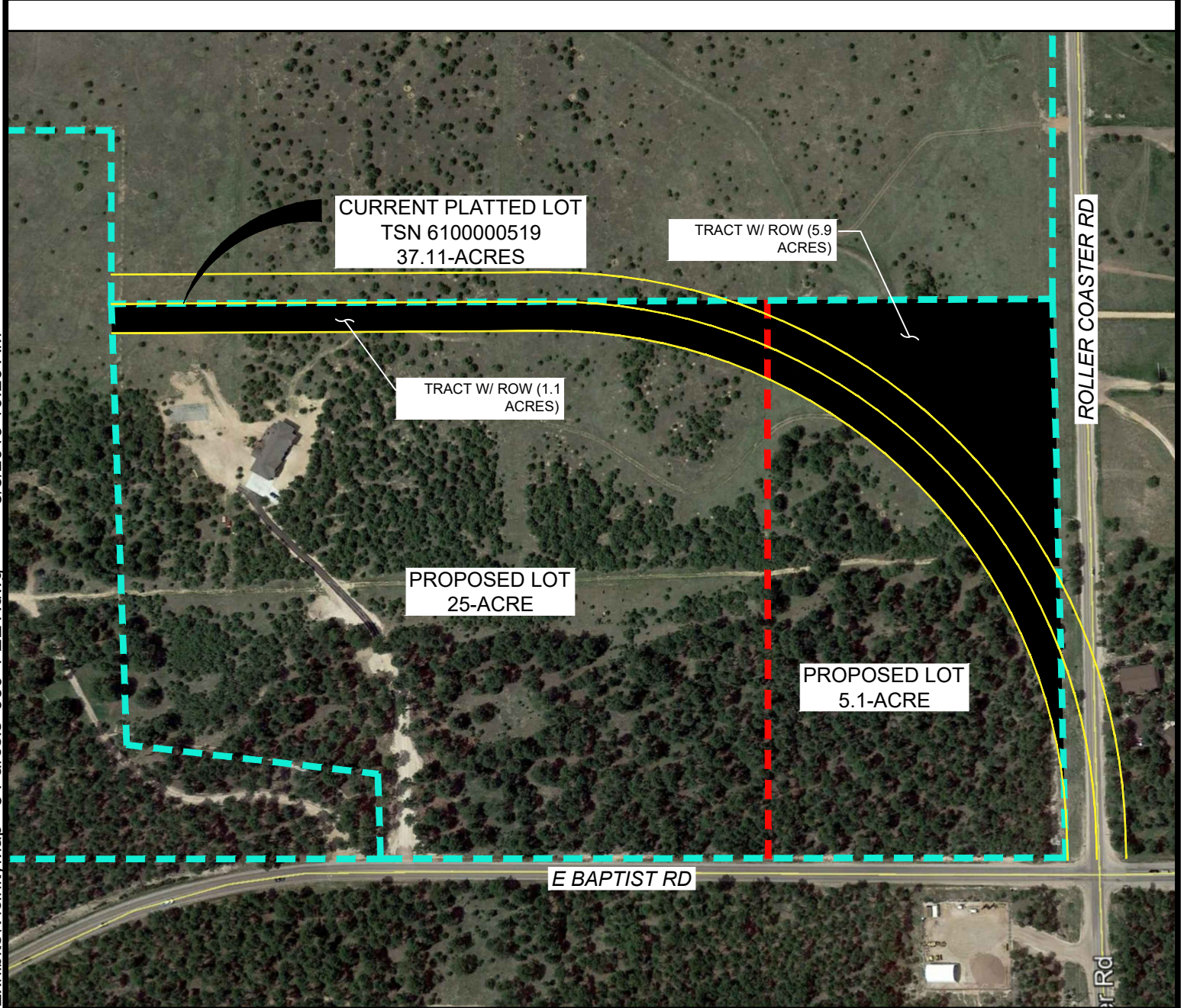
PROJECT NO:
04-18-XXXX



EXISTING AND PROPOSED
SUBDIVISION MAP - 5 LOTS
WITH 711' RADIUS FOR
MINOR COLLECTOR W/ 60'
ROW

**PRELIMINARY
DRAWING
NOT FOR
CONSTRUCTION**

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VICINITY MAP

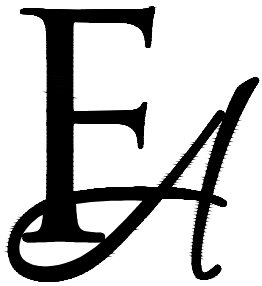
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DATE:
01/10/19

TANJA CURTIS - SUBDIVISION

PROJECT NO:
04-18-XXXX



EXISTING AND PROPOSED
SUBDIVISION MAP - 5 LOTS
WITH 930' RADIUS FOR
MAJOR COLLECTOR

**PRELIMINARY
DRAWING
NOT FOR
CONSTRUCTION**