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**To:** Rob Wood, Principal Planner  
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**For:** Mardie Caldwell  
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**Date:** March 29, 2019

**Re: Evaluation of a Potential Ephemeral Drainage/Stream within the Frontage Area of a Parcel Located at 17860 Cattle Drive in Rough and Ready, Nevada County (APN: 51-110-04)**

Greg Matuzak, a biologist on the Nevada County Planning Department's Biological Resources Consultants List, developed a Management Plan (dated July 2017) and an Oak Resources Management Plan (dated October 2018) as part of the Nevada County Planning Department approval process for two proposed projects within the subject parcel located at 17860 Cattle Drive, Rough and Ready, CA (APN 51-110-04). The Management Plan contained recommendations for minimizing and mitigating for impacts to an intermittent stream and associated the 50-foot non-disturbance buffer located within the subject parcel and connecting to Squirrel Creek south of the subject parcel. The Oak Resources Management Plan assesses the potential impacts to heritage oak trees and landmark oak groves per the Nevada County Planning Department definition that could be impacted by the development of a new septic line and MUSDA within an area of the subject parcel as part of the proposal to add a new restroom and parking within the subject parcel. In addition, Tina Costella from Costella Environmental Consulting developed a Biological Inventory (May 2016) and an Oak Resources Management Plan (November 2016) for proposed project located within the subject parcel.

Based on the conclusions of the four previous reports related to biological resources developed separately for proposed projects located within the subject parcel, including the two recent biological resources reports developed by Greg Matuzak, no streams were previously identified within the entrance to the subject parcel off of Cattle Drive or within the large open grassy field located immediately to the east of the entrance to the subject parcel along Cattle Drive. In addition, Greg Matuzak visited the subject parcel on March 13<sup>th</sup>, 2019 to conduct a survey of the proposed parking area located directly east of the entrance to the subject parcel off of Cattle Drive. There are no ephemeral streams or drainages located within the open, grassy field where the proposed parking area would be located (see attached photos). In addition, there are no streams along Cattle Drive or along the entrance to the subject parcel.

There is low rock lined area immediately adjacent along the western and eastern edges of the gravel driveway off of Cattle Drive and there is a small culvert (approximately 8 inches in diameter) located at the entrance to the subject parcel as you enter off of Cattle Drive (see attached photos). The small culvert appears to allow small amounts of water that drain off the gravel driveway to flow into a small puddle area located on the western edge of the gravel driveway where the existing culvert is located. The small culvert and drainage along the gravel driveway do not constitute an ephemeral stream or any other type of stream given that the drainage does not contain a defined bed and bank, ordinary high water mark, and a direct connection to another stream (see attached photos). Therefore, there are no stream features within the entrance to the subject parcel or within the proposed parking area that would be defined as a stream and therefore, would not be subject to Nevada County regulations requiring a Management Plan for encroachment into the non-disturbance buffer of a stream.

Let me know if you have any questions or comments on this memo regarding the potential ephemeral stream that was purported to be located within the proposed parking area within the subject parcel located at 17860 Cattle Drive. I can be contacted at the phone number and email address located at the top of this memo.

Regards,

A handwritten signature in blue ink, appearing to read "Greg Matuzak", is written over a light blue horizontal line.

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Greg Matuzak  
Biologist Resources Consultant

**Photos of March 13<sup>th</sup> and 28<sup>th</sup>, 2019 Field Surveys of the Proposed Parking Area**



**Photo 1: Entrance to the subject parcel along Cattle Drive with proposed parking area in the background. No ephemeral drainages or streams were identified in or adjacent to the parking area.**



**Photo 2: Proposed parking area in the background. No ephemeral drainages or streams were identified within or adjacent to the parking area. A stream is located behind the large oak trees.**



**Photo 3: Proposed parking area. No ephemeral drainages or streams were identified within the proposed parking area.**



**Photo 4: Entrance to the subject parcel along Cattle Drive with proposed parking area adjacent to fence line. No ephemeral drainages or streams were identified in or adjacent to the parking area.**



**Photo 5: Proposed parking area within the fence line along Cattle Drive. No streams were identified within or adjacent to the proposed parking area.**



**Photo 6: Rock lined driveway drainage and culvert. Drainage feature is not a stream. Does not contain defined bed and bank, ordinary high water mark, or connection to any other stream up/downstream.**



**Photo 7: Rock lined driveway drainage with culvert. Drainage feature does not contain defined bed and bank, ordinary high water mark, or a direct connection to any other stream up/downstream.**



**Photo 8. East of rock lined driveway drainage with culvert. Drainage feature is not a stream. It puddles along western side of entrance to subject parcel.**