

RI Engineering, Inc.



Civil Engineering

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www.riengineering.com

April 14, 2023

County of Santa Clara
Department of Planning and Development

Subject: Response to County of Santa Clara Department of Planning Review Comments from Rebecca Rockom for Joe Tran, letter dated February 3, 2023.

Address: 11555 Kannely Lane, Gilroy, CA
APN: 830-05-051
County File No. PLN23-002

We have prepared this response letter based on the County of Santa Clara Planning Department letter dated February 3, 2023. The following responses correspond to the particular County comments provided.

Planning Review – Rebecca Rockom

1. The submitted letter for Grading Justification does not meet County standards listed in C12-433. The fill is not necessary to establish or maintain a use presently permitted by law. If the existing fill for this project is intended to be utilized in conjunction with the application PLN21-191 currently in review, please close this application and instead modify PLN21-191 to include this grading abatement.

Response: The grading justification letter has been revised and resubmitted. The fill is proposed to be removed and hauled off-site to a County approved location. Please see the updated plans and justification for grading.

Application PLN21-191 will be abandoned. The property owner would like to move forward with application PLN23-002 for a grading abatement to clear the existing violation on the property, remove any unpermitted fill and restore the grades back to pre-violation conditions.



Land Development Engineering – Darrell Wong

1. Please provide earthwork calculations of the earthwork quantities shown on the plans.

Response: The earthwork quantities shown were obtained using a surface comparison in AutoCAD Civil 3D of two separate topographic surveys: One topographic survey done in March of 2021 (prior to the placement of the unpermitted fill) and another topographic survey done in April of 2022 (after the placement of the unpermitted fill).

RI Engineering has double checked the AutoCAD Civil 3D earthwork numbers. Please see the attached earthwork calculations. This method produced similar results to the surface comparison thus instilling confidence that the earthwork results produced by AutoCAD Civil 3D were accurate.

2. Please provide a table of the estimated earthwork quantities per C12-424(g). Quantities should be separated into the different bodies of work for the project. Perhaps the unpermitted rock driveway should be separated from the most recent fill material. The spread unpermitted fill identified as 2,000CY, but the plans indicate that it is proposed to be legalized on-site as a stockpile. The table doesn't indicate this.

Response: The earthwork table on the cover sheet has been updated to separate the grading into different sub areas. The unpermitted gravel driveway has been added as a separate item on the earthwork table. A note has been provided indicating that the spread out base rock will be collected and hauled off-site to a County approved location.

3. The gravel road specified as existing on the pre-screening plans appears to have been constructed within the last five to seven years. It will need to be documented as unpermitted imported material and proposed to be legalized if it is to remain. A typical section of the road should be provided on the plans and the quantity of rock/gravel provided and identified on the accounting of unpermitted fill quantities.

Response: The plans have been revised to show the existing gravel driveway as unpermitted and proposed to be removed. The gravel used to construct the driveway will be hauled off-site to a County approved location.

4. Please clarify the limits of the disturbed area as a result of the proposed development. Include the disturbed areas of the stockpile areas as well.

Response: The limits of disturbance have been revised on the plans to include the unpermitted driveway and the unpermitted fill. Disturbed areas are noted on the plans sheets, as well as on the cover sheet.



If there are any further comments or questions regarding the above responses, please feel free to contact our office.

Sincerely,
RI Engineering Inc.

A handwritten signature in blue ink, appearing to read 'Mark Grofcsik', is written over a light blue circular background.

Mark Grofcsik
RCE # 83644



Attachments:

- Earthwork Calculations to support AutoCAD numbers shown on the plans
- Updated Statement of Justification of Grading



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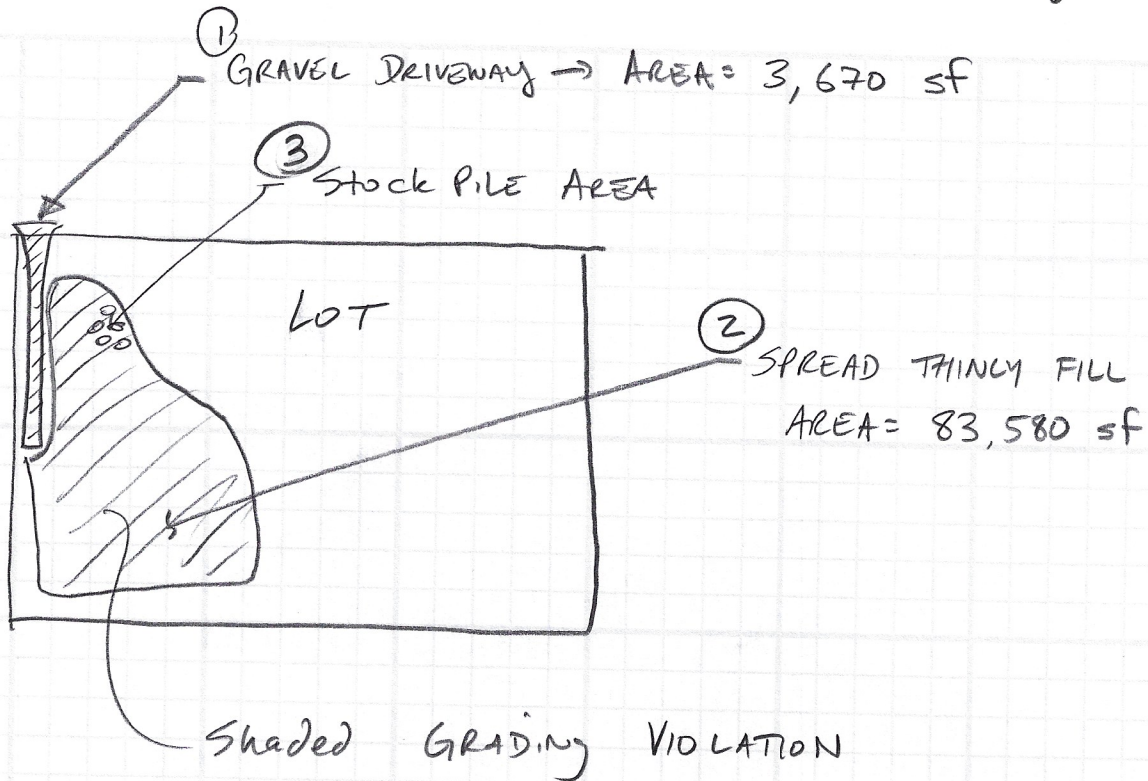
Santa Cruz, CA 95060

Job: 22-029-1 TRAN

Sheet no.: 1 of 2

Date: 3/23/2023

Calculated by: MMJ



EARTHWORK CALC'S FOR AREAS ①, ②, ③
ON NEXT PAGE. VERIFY THAT
AUTOCAD CALCULATIONS SHOWN ON
PLANS ARE ACCURATE WITHIN
MARGIN OF AREA ACCEPTABLE FOR
PROJECT LIKE THIS.





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Job: 22-029-1 TRAN

Sheet no.: 20F2

Date: 3/23/2023

Calculated by: MMg

EARTHWORK HAND CALC'S

TO VERIFY AUTOCAD RESULTS.

① GRAVEL DRIVEWAY

$$\text{AREA} = 3,670 \text{ sf}$$

Thickness $\approx 8''$ Assumed

$$\text{VOLUME} = 3,670 \text{ sf} \times 8'' \left(\frac{1 \text{ ft}}{12''} \right) \times \left(\frac{1 \text{ cy}}{27 \text{ cf}} \right) = \underline{90 \text{ cy}}$$

PLANS NOTE 100' CY'ds. ✓ FROM AUTOCAD

② THINLY SPREAD FILL

$$\text{AREA} = 83,580 \text{ sf}$$

Thickness = 8" Average Surface to Surface
comparison on Surveys

$$\text{VOLUME} = (83,580 \text{ sf}) (8'') \left(\frac{1}{12} \right) \left(\frac{1}{27} \right) = \underline{2074 \text{ cy}}$$

AUTOCAD NOTES 1,935 cy'ds ✓.

③ STOCK PILES

$$\text{AREA} = 1500 \text{ sf} \pm$$

Ave depth 3'

$$\text{VOLUME} = (1500 \text{ sf}) (3') \left(\frac{1}{27 \text{ cy}} \right) = 166 \text{ cy'ds}$$

PLANS SAY 165 cy from AUTOCAD.

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April 14, 2023

Statement of Justification for Proposed Grading
For Grading Abatement
At 11555 Kannely Lane, Gilroy
Santa Clara County

APN: 830-05-051

The subject parcel received a grading violation on September 29, 2022. Approximately 2,000 cubic yards of baserock and gravel was brought on-site. The imported material was used to create a gravel driveway, spread thinly on the site in varied depths up to a foot or two, and several stockpiles of gravel piles ranging up to 5 feet high. The proposed grading is to remediate the grading violation.

The proposed remediation project consists of gathering the unpermitted fill spread on the site and hauling it off-site to a County approved location. The unpermitted gravel driveway will be removed and the material will also be hauled off-site to a County approved location.

Grading substantially conforms with the adopted "Guidelines for Grading and Hillside Development" and other applicable guidelines adopted by the County. The unpermitted fill that will be removed from the site is approximately 2,100 cubic yards.

Sincerely,
RI Engineering Inc.

Mark Grofcsik, PE
RCE # 83466

