

Grading Ordinance Design Standards

Supplemental Checklist for Improvement Plans

County of Santa Clara

Land Development Engineering

GENERAL INSTRUCTIONS:

This form is to be furnished to the County Surveyor by the design engineer at the time of submission of preliminary and final grading plans. Many of the items are crucial to the design concept and need to be considered at the time of preliminary and final approval. If an item is not applicable to the project, so state on the form.

DESIGN REQUIREMENTS:

The Santa Clara County grading ordinance specifies in Article 8, Section C12-538 through C12-579, the minimum design standards for all grading work unless otherwise recommended by the design engineer for a particular project. In many situations, other standards may be appropriate, either higher or lower, depending on the purpose of the grading, such as a house pad or the intended land use, such as a subdivision.

PROJECT DATA:

Applicant: Alexander Lubivy Date: 11/30/2020
 Location (Street): 16391 Aztec Ridge Dr Los Gatos, CA 95030 File #: SR 860149
 Soils and/ or Geotechnical Report prepared by Christopher Day Date: May 07, 2019

ENGINEER'S DESIGN RECOMMENDATIONS:

<i>Item</i>	<i>Ordinance Requirmnt.</i>	<i>Engineer's Recomnd.</i>	<i>Location of Deviation (if any)</i>	<i>Reason/ Justification for Deviation</i>
1. Cut Slopes (see C12-542)	2 : 1	2:1 or less		
2. Fill Slopes (C12-51)	2 : 1	2:1 or less		
3. Drainage Terraces (C12-553)	25' height (max) 6' width (min)	same as ordinance if required		
4. Fill Compaction (C12-549)	90% min	90% min		
5. Road Sub-grade Co. Std. Road Spec.	95%	95% min		
6. Benching (C12-550)	6' width (min) (keyed)	6' width min		
7. Sub-drains (C12-550)	In natural drainage courses under fills, etc.	PER SOILS ENGINEER RECOMMENDATIONS		

<i>Item</i>	<i>Ordinance Requirmnt.</i>	<i>Engineer's Recomnd.</i>	<i>Location of Deviation (if any)</i>	<i>Reason/ Justification for Deviation</i>
8. Setbacks (C12-558)	See Ord. Fig. 2	same as ordinance		
9. Storm Drainage	See adopted standards	same as ordinance		
10. Erosion Control (C12-568 - 571)	Planting, energy dissipators, ditch lining, etc.	see plan		refer to sheet C4 for Erosion Control
11. Planting of Large Slopes (C12-574) (C12-575)	Slopes of 15' vertical height or more	same as ordinance		

ADDITIONAL RECOMMENDATIONS AND JUSTIFICATION:

I PORFIRIO OSCAR OSUNA, PE, PLS, AM THE DESIGNER FOR THE GRADING PLAN. A GEOTECHNICAL ENGINEER (OR OTHERS) TO BE HIRED BY THE OWNER TO PROVIDE COMPACTION TESTING AND RECOMMENDATIOIS FOR THE PROPOSED GRADING

STATEMENT AND CERTIFICATION:

I hereby state that the above design recommendations are in conformance with good engineering practice and in the best public interest considering the intended use of the land, environmental factors and field conditions. They are based upon a field investigation with soils and geologic reports as appropriate or required under the grading ordinance. The proposed design will adequately control and dispose of storm water runoff, minimize erosion, and cause minimal disturbance of the terrain consistent with the proposed land use.

I hereby certify that the slopes will be stable and that the graded areas will provide suitable foundation support for the structures or other improvements that are intended as the purpose of grading.

PORFIRIO O. OSUNA, PE, PRESIDENT,
OSUNA ENGINEERING, INC.



Signature

11-30-20

Date

70829

R.C.E. No.

Attachments:

Soils Report ();

Geologic Reports ();

Laboratory Tests ()

Other soil testing to be done by

Geotechnical Engineer of Record

Form Revised 5/14/2013