

Grading Ordinance Design Standards

Supplemental Checklist for Improvement Plans

County of Santa Clara

Office of the County Surveyor

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 5, Section C12-489 through C12-527, 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: _____ **Date:** _____

Location (Street): _____ **File #:** _____

Soils and/ or Geotechnical Report prepared by _____ **Date:** _____

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 C12-489)	1.5 : 1			
2. Fill Slopes (C12-497)	2 : 1			
3. Drainage Terraces (C12-498)	25' height (max) 6' width (min)			
4. Fill Compaction (C12-495)	90% min			
5. Road Sub-grade Co. Std. Road Spec.	95%			
6. Benching (C12-496)	6' width (min) (keyed)			
7. Sub-drains (C12-496)	In natural drainage courses under fills, etc.			

<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 (C12-505)	See Ord. Fig. 2			
9. Storm Drainage	See adopted standards			
10. Erosion Control (C12-515) (C12-516)	Planting, energy dissipators, ditch lining, etc.			
11. Planting of Large Slopes (C12-519) (C12-520)	Slopes of 15' vertical height or more			
12. Irrigation Devices (C12-525)	As needed			

ADDITIONAL RECOMMENDATIONS AND JUSTIFICATION:

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.

Signature

Date

R.C.E. No.

Attachments:

Soils Report (); Laboratory Tests ()
Geologic Reports (); Other _____