



GRADING NOTES
CITY OF ORANGE
PUBLIC WORKS DEPARTMENT

JULY 2019

1. A Pre-Construction Meeting is required prior to beginning any grading or construction. Call City Inspector 714-744-5526 to arrange meeting time.
2. All grading shall be done in accordance with the City of Orange Manual of Grading and Standard Plans and Specifications (available on City website or at the engineering office).
3. City approval of plans does not relieve the developer from responsibility for the correction of any error and/or omission discovered during the construction. Any substantial changes to the approved grading plan occasioned by field conditions, site plan changes, etc. shall be accomplished prior to final grading, and shall be reviewed and approved by the City Engineer prior to implementing changes in the field.
4. Retaining walls will be required where cutting or filling along property lines may cause damage, but always where the cut or fill exceeds one (1) vertical foot.
5. Free standing and retaining walls shown on this plan are for location and elevation contours only. Approval of this plan does not constitute structural approval of any walls or retaining devices shown hereon. A separate plan check and permit must be obtained from the City Building Division before the construction of any walls.
6. All on-site slopes shall not exceed a grade of two (2) horizontal to one (1) vertical (2:1), unless steeper slopes are authorized by the soils engineer and approved by the City Engineer.
7. A Grading Permit must be obtained from the City Engineering Division by the owner, developer, or general contractor prior to conducting any grading, clearing, brushing, or grubbing on natural or existing grade that is preparatory to grading.
8. All rough and final grading shall be certified to be in compliance with the approved Grading Plan and City Standards. These certifications shall be in writing to the City Engineer and shall be signed and stamped by a licensed professional engineer, land surveyor, soils or geotechnical engineer, and grading contractor. These certifications shall be filed with the City prior to the release of occupancy.
9. Landscaping and Irrigation Plans, as required, shall be approved by the City Department of Community Development 714-744-7220.
10. Provide street trees as required by the City. Notify Department Of Public Works, Maintenance Division, 714-532-6480 for street tree location and planting standards.
11. All fill one (1) foot or greater shall be tested and certified as to relative compaction.
12. Fill slopes three (3) feet or greater in height shall be compacted to the face. The soils engineer shall include slope compaction tests in the final report for rough grading.
13. All utility trench backfills shall be in accordance with the recommendations of the soils engineer. The soils engineer shall provide written approval of utility trench backfill prior to final grading release.
14. All fill shall be compacted in accordance with the current version of the California Building Code adopted by the City or responsible engineering recommendations.

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15. In the event the licensed professional engineer, land surveyor, soils engineer, or engineering geologist who is responsible for the professional supervision of that portion of the grading which is within his area of technical competence is relieved of or otherwise terminates his duties prior to completion of the work shown on these plans he shall report this fact in writing to the City Engineer within 48 hours of his termination. Person assuming his duties shall perform all investigations he deem necessary to approve the entire work including certifying that previous reports are in conformance with City Grading Ordinance and the Grading Permit. Acceptance of the project by the new consultant shall be made in writing to the City, and shall include his certification of all work previously accomplished and his responsibility for the remainder of the project.
 16. Repair or replace any broken or deteriorated adjacent public infrastructure including damaged public sidewalk, damaged curb and gutter, and damaged driveway aprons.
 17. All utility lines from public street and easement, including power lines and telecommunication lines shall be constructed underground.
 18. A separate Encroachment Permit is required for work performed in public right-of-way.
 19. A separate Haul Permit is required for import/export of earth material. Contact Traffic Division at 714-744-5536 for more details.