

GRADING NOTES

City of Cathedral City

(Effective July 1, 2018)

Note to design engineer: These Grading Notes are intended for use on all Mass Grading and Rough Grading Plans, and on Precise Grading Plans where the grading is being completed as part of these plans. See Precise Grading Notes when the original grading was performed per an approved Rough Grading Plan.

GRADING NOTES

1. Grading shall be in accordance with chapter 18 of California Building Code, Latest Edition, and/or Soils Report,

No. _____,

Dated:

Prepared By:

Telephone No.

2. The soils engineer and the engineering geologist shall exercise sufficient supervisory control during grading to ensure compliance with the plans, specifications and code within their purview.

3. The design civil engineer shall exercise sufficient control during grading and construction to ensure compliance with the plans, specifications and code within his purview.

4. During rough grading operations and prior to construction of permanent drainage structures, temporary drainage control shall be provided to prevent ponding water and damage to adjacent property.

5. After clearing, existing ground shall be scarified to a minimum of 6" on the entire site or as recommended by the soils report.

6. Cut and fill slopes shall be no steeper than 2:1.

7. Pads shall be compacted to a minimum of 90% relative density per A.S.T.M. specifications and the above-mentioned soils report.

8. Minimum building pad drainage shall be 2%. Drainage swales shall be a minimum of 0.3' deep and be constructed a minimum of 2' from the top of cut or fill slopes. The minimum slope of swales shall be 0.50%.

9. All fills shall be compacted to a minimum of ninety (90) percent of maximum density as determined by the California Building Code or equivalent as approved by the City Engineer. Field density shall be determined in accordance with the California Building Code, or equivalent, as determined by the City Engineer.

10. All street sections are tentative. The minimum section is 3" A.C. over 4.5" class II base. Additional soil test(s) shall be required after rough grading to determine exact section requirements. The City Engineer Shall approve the final street section.

11. The City Engineer will review for approval the final street sections after submittal of "R" value tests for roadway sub-base.

12. Locations of field density tests shall be determined by the Soils Engineer or approved test agency and shall be sufficient in both horizontal and vertical placement to provide representative testing of all fill placed. testing in areas of a critical nature of special emphasis shall be in addition to the normal representative samplings.
13. The final compaction report and approval from the Soils Engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density and shall be so noted for each test. Sufficient maximum density determination shall be performed to verify the accuracy of the maximum density curves used by the field technician.
14. All underground facilities, with laterals, shall be in place and inspected prior to paving, including but not limited to the following: sewer, water, electric, gas and drainage. The curb shall be "etched" showing all lateral locations "S" For Sewer, "G" for gas, etc...
15. The final utility line backfill report from the project Soils Engineer shall include an approval statement that the backfill is suitable for the intended use.
16. Block walls permits are not part of the Grading Permit. Submit for separate Building Permit(s).
17. The Contractor is responsible to prevent silt contamination of stormwater infiltration facilities during construction. Immediately prior to final acceptance of storm drainage retention/infiltration facilities, the Contractor shall conduct, in the presence of the City Inspector, a performance test designed to clearly demonstrate the functional adequacy of the facilities.
18. The Contractor shall provide wind erosion and dust control measures as required by the Fugitive Dust Control Plan (PM-10 PLAN) approved for this project.
19. The Contractor shall provide erosion control measures as required by the Erosion Control Plan approved for this project.
20. Prior to the installation of any hard surface or the building pad, the design Engineer or Architect shall provide the City Engineering Inspector and the City Chief Building Official with a certified letter stating that all critical areas of ADA accessibility, pedestrian path-of-travel, ADA parking areas, ramps, runs or other associated structures as requested by the Inspector have been constructed per plan and the Engineer and/or Architect certifies these items will meet all plan, ADA, Building Code, CALBO or similar code requirements.