



**GRADING PLAN
REVIEW CHECK LIST**

This check list applies to grading plans, major and minor subdivisions.

GENERAL

- ___ 1. 24" x 36" sheet size
- ___ 2. The permit set must be sealed and signed by a Registered Civil Engineer
- ___ 3. Indicate Flood Zone
- ___ 4. If the new or replaced impervious area is greater than one acre, provide the WDID # if not, indicate the site is less than one acre
- ___ 5. Project site data table from C.3 Guide Book
- ___ 6. City of Concord Grading and Erosion Control Notes
- ___ 7. Leave a minimum of 2"x1" blank space on the title block for the engineering stamp.

PLAN REQUIREMENTS

- ___ 1. Name of engineering firm which prepared the plans with signature and seal of Registered Civil Engineer and date *[Redundant]*
- ___ 2. Submit electronic copy of soils and geology report, if required
- ___ 3. Earthwork quantities indicated on plan:
Cut: _____ C.Y., Fill: _____ C.Y. Import _____ Export _____
- ___ 4. Grading permit number on plan, which will be provided once the permit fees are paid
- ___ 5. Submit calculations for drainage facilities, if required
- ___ 6. Vicinity map required or expanded, show all adjacent streets and also major streets or highways within one mile of project
- ___ 7. Provide title block for City signatures on every sheet
- ___ 8. North arrow
- ___ 9. Numerical scale
- ___ 10. Streets and lots conform with tentative map or final map, if applicable
- ___ 11. Street names shown correctly
- ___ 12. Bench mark
- ___ 13. Clearly delineated construction boundary

___14. Lots shall be numbered and dimensioned per final map or parcel map, if applicable

PLAN REQUIREMENTS (cont.)

___15. Adjacent property to be labelled as to use: Agricultural, citrus orchard, pasture, existing homes or commercial property

___16. Existing and proposed storm drain line and structures: their location and disposition.

___17. Drainage swales and slope

___18. Elevations of high points and swales in side and rear yards shown

___19. Lot drain to fronting streets, or to lined ditch, pipe system or bio-retention

___20. Existing spot elevations of adjacent developments and natural drainage patterns around the perimeter of the proposed tract shall be shown in sufficient detail to be able to evaluate the proposed grading

___21. Generally show cross-sections along the perimeter of the tract at the following locations:

___a. Abutting an existing tract, and proposed tract is in fill. Fill slope is required to be on adjacent property, or retaining wall may be used

___b. Areas in fill on upstream side of tract; does tract receive and dispose of run-off? (Off-site or on-site ditch or drainage structure may be required)

___c. Areas in heavy cut upstream side of tract; does proposed grading result in one or more lots receiving concentrated flow

___22. Show typical lot section

___23. Streets discharging water (to an undeveloped property) should be ditched from end of gutter to daylight. Right-of-entry and/or easement may be required

___24. Streets receiving water should have swales graded to the gutters approximately normal to contours

___25. Show existing contours; also new ones, if applicable

___26. On hillside development or other unusual grading situations, roof drainage system must be piped to drain to the bio-retention or landscaping area

___27. A minimum of 3 ft. of clear space, after deducting for any slopes, stoops, or fireplaces, should remain to carry drainage along narrow side yards. Otherwise design lot grading so that no water is conveyed to that side

___28. Tract continues to receive natural runoff from adjacent property upstream

___29. If located in "Flood Zone", base flood elevation must be shown on improvement plan, with finished floor elevations

___30. Contour lines of existing ground having intervals of not over two (2) feet for ground slopes under five percent (5%), and not over five (5) feet for ground slopes over five percent (5%), extending 50 feet or more beyond subdivision property lines

___31. Within hillside development area, show contours for existing and proposed grading, including surrounding properties, and cross sections

___32. Where valley gutters are used, street crown tapered to allow street flow into gutter

___33. Flowlines and centerlines identified with elevations and slopes

___34. If the new or replaced impervious area is greater than one acre, provide Waste Discharge Identification Number (WDID)