



**COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
STREET IMPROVEMENTS PLAN CHECK CORRECTIONS LIST**

REJECT

- INCOMPLETE PLANS
- MISSING ITEMS

- TRACT, PARCEL, CUP, DEED MAP _____
- PROJECT NO. _____

- DESIGN CHECK
- DETAIL CHECK
- DIRECT CHECK

ENGINEERING FIRM _____

CHECKED BY _____ TEL. No. _____

PROJECT ENGINEER _____

DATE _____

TELEPHONE No. () _____

SUBMITTAL NO. _____

Your plans have been checked and the necessary corrections, additions, and instructions are circled below. The plans will not be rechecked until the correction list is returned showing either your check mark indicating the correction has been made or a brief explanation for each item that does not have your check mark. **Make all corrections circled below. Also, make corrections or additions indicated in red on the attached check print(s).**

NOTE: THE DESIGN ENGINEER IS ENTIRELY RESPONSIBLE FOR THE STREET STATIONING, LOCATION OF UTILITIES, EXISTING GROUND LINE ON PROFILE, HORIZONTAL AND VERTICAL CURVE DATAS AND STREET NAMES SHOWN ON PLANS. COUNTY WILL NOT CHECK THESE ITEMS FOR CORRECTNESS.

A. GENERAL

1. The Engineer's Company name, address, telephone number, and signature, printed name and registration number of the engineer in responsible charge for preparation of street plan including registration seal and expiration date must be on all sheets.
2. Submit:
 - Final Map
 - Grading Plans
 - Approved Drainage Study
 - Private Drain Plans
 - Deed Map
 - Separate Instrument for R/W Dedication
 - Extra _____ Sets of _____ Plans for review
3. Submit the following letters:
 - Drainage
 - Slope
 - Parkway/Curb Drain Maintenance Agreement
 - Permission to Enter for Construction
 - Others _____
 - Hardship
 - Utility
4. Submit estimate for bonding purposes, including estimated cost of \$ _____ for street lighting system. Use unit prices and contingencies per "Itemized Cost Estimate for Road Improvement."
5. Obtain conditional approval of other jurisdictions prior to Department of Public Works Director's signature.
6. Amount of base will be determined by Department of Public Works after streets have been rough graded. Subdivider's Engineer shall make written request for soil testing.
7. Submit a copy of the soils report addressing the competency of the road subgrade (to minimize differential settlement).
8. Submit M.S.U. map. This map is a print of the final map with all existing utilities delineated in red within the right of way to be dedicated. The following certification by a Registered Civil Engineer as to the accuracy of the utility survey must be placed on the map. "A thorough investigation of available records and of the property shown on this map of Tract No. _____ shows that there are no encroachments of privately owned structures or utilities in those portions of said property offered for dedication to the County of Los Angeles except as shown hereon."

- 9a. Provide a copy of approved conceptual striping plan for _____.
- 9b. Provide (new revised approved) copy of a full scale (1"=40') signing & striping plan for _____.
10. Submit the original tracing to this office for approval.

B. TITLE & GENERAL NOTES SHEETS

1. Prepare key map outlining Tract boundary by showing a distinctive border. Scale of map should be 1"=200'. Show right-of-way widths and storm drains (dash lines).
2. On key map, show drainage pattern by means of arrows. Use arrows *only* for drainage.
3. Prepare a vicinity map. Scale 1"=600' or 1"= 1,000'. Show major cross streets.
4. Show typical section(s) for all streets. The scales chosen should result in a reasonable width and show a reasonable vertical exaggeration.
5. Sign "Notice to Contractors" or remove note entirely.
6. Standard Notes--line out, add, or modify note to fit, conform to Conditions of Approval. Do not erase any notes.
7. Show sections or details for:
 - Alleys
 - Drainage Ditches
 - Parkway Protectors
 - Others _____
 - Driveway closure x-sections
 - Driveway x-sections
 - 4:1 Sidewalk transitions
 - Mail Box
8. Use Bench Mark approved by the Department of Public Works, Survey Division.
9. Show driveway modification detail for wheelchair ramps.
10. Show street tree list.

C. PLAN AND PROFILE SHEETS

1. Show existing improvements, such as pavement, curb, gutters (including intersecting streets), driveways, drainage structures, utilities, trees, railroad tracks, and buildings in, or adjacent to, the street right-of-way. Whenever pertinent to design, these items are shown in profile.

STREET IMPROVEMENTS PLAN CHECK CORRECTIONS LIST (CONT.)

- 2. Elevations of existing surveyed improvements shall be enclosed in parentheses. Parentheses are to be only for surveyed elevations.
- 3. Use street names and distances rounded to nearest 100' for limits (all sheets).
- 4. Show all existing utilities within the construction area and give their disposition.
- 5. Extend curb grades a minimum of 300' beyond Tract boundary. When joining existing curb, show 100' of existing profile.
- 6. Show street name for each street in plan view.
- 7. Dimension right-of-way widths, curb-to-curb width, parkway width and sidewalk.
- 8. Show improvements to be constructed with solid line on principal view only. Include the curb return with the more important street and use dashed lines on the plan view of the minor street. Use noticeably heavier line for curb line on plan and in profile
- 9. Use construction centerline (crown line) in addition to map centerline for knuckles and cul-de-sac.
- 10. Show centerline and curb curve data and angle point data.
- 11. Show curb return data and curb profiles on both views.
- 12. Show stations of all BCR's, BC's, EC's, angle points and ends of improvement on plan.
- 13. Show notes to join existing improvements.
- 14. Show a north arrow for each plan view.
- 15. Show note to reconstruct any existing driveways affected by design to the satisfaction of the Los Angeles County Department of Public Works.
- 16. Show note "NO DRIVEWAYS TO BE CONSTRUCTED" (specify limits) wherever access rights are required to be dedicated.
- 17. Show existing or future grade as dashed, and label.
- 18. Label all grade lines and profiles. Show at least 2 datum elevations for each profile.
- 19. Show stations and T.C. elevations in profile at every BCR and for ¼ points in returns when either grade is 2% or more.
- 20. Show flow line elevations on plan view at joint points and through transition areas.
- 21. Show ground line at centerline when both a centerline profile is used and lots are graded on both sides. Otherwise, show ground line at ultimate right-of-way lines.
- 22. Show locations of street name signs to be installed on plans.
- 23. Show wheelchair ramps to be constructed on plans.
- 24. Show details for each catch basin (indicate flow line breaks).
- 25. Show right of way for dedicated street in solid and "private and future" street in dashed lines.
- 26. Show solid lines along join lines.

D. DESIGN CRITERIA

- 1. Provide minimum R= _____ feet on _____.
- 2. Provide 100 feet minimum curve length on _____.
- 3. Eliminate broken back curve or provide 200 feet minimum tangent on _____.
- 4. Provide sight distance for _____ m.p.h. at intersection of _____.
- 5. Increase length of vertical curve for _____ m.p.h. on _____.
- 6. Provide _____ % maximum grade break in _____ feet on _____.
- 7. Provide 3.5% maximum for summit break and 3.0% maximum for sag break at 4-way intersection on _____.
- 8. Provide _____ % maximum grade for landing on _____.
- 9. Provide _____ % superelevation on _____.
- 10. Eliminate median islands on _____.
- 11. Provide drainage solution to provide _____ free lane(s) for _____ on _____.
- 12. Provide drainage solution to eliminate water through drives on _____.
- 13. Provide catch basins and drain for median landscaping on _____.
- 14. Remove walls and footings from street right of way on _____.
- 15. Obtain I.E.C. approved alignment for _____.

