

CITY OF PALM SPRINGS ENGINEERING SERVICES DEPARTMENT  
**STORM DRAIN PLAN CHECK LIST**  
Revised March 6, 2025  
**Most Recent Changes to this Document are in Bold & Underlined**

DESIGN ADMINISTRATION: See Rules and Regulations for Administration of Area Drainage Plans amended Nov. 9, 1982, Res. No. 82-320

See Master Drainage Plan for suggested location of improvements.

- I. Preparation of Plan OR Plan and Profile sheets.
  1. Mylar plan and profile sheets (3 mil min.) 24" x 36" or approved permanent equal.
  2. Drawings will be in ink and all work must be clearly reproducible.
  3. Quantity estimates to be placed on first sheet.
  4. No applicate film to be used on final plans.
  5. Existing features may be greyscaled, but no less than 40% black. Lines may be solid or dashed. No dotted lines are permitted for existing features.
  
- II. Vicinity Map
  1. Shown on first sheet: Scale 1" = 800'
  2. Street names shown thereon with street numbers.
  
- III. Research
  1. Investigate engineering records for previous designs and surveys of project area.
  2. Investigate all monuments within project area.
  3. Investigate all bench marks within project area.
  4. Field check before checking plan.
  5. Check condition of existing improvements.
  
- IV. Title Block
  1. City Standard Title Block shown on all sheets.
  2. Tract number of job description (if applicable).

3. Registered Engineer's signature and R.C.E. number.
4. Date plans prepared and checked by consulting engineer's staff.
5. Show benchmark description, as described by the City of Palm Springs Benchmark Book, on all sheets.

V. General Notes

1. General Notes shall be shown on the first sheet.

VI. Plan and Profile

1. North arrow and scale (1" = 20', 1" = 40' or as approved by City Engineer) to be shown.
2. The storm drain stationing to be shown on the plan and profile. No negative stationing. Show match lines on consecutive sheets.
3. Stationing at all catch basins and every 50 feet in plan view.
4. Size storm drain using the **latest edition of the Master Drainage Plan for the Palm Springs Area, Zone 6 (current is dated March 1982)** for drainage unless otherwise specified.
5. Show invert elevations of all grade breaks.
6. Show HGL and Q.
7. Show freeboard in catch basin. A sump may be used for secondary freeboard overflow.
8. Cross gutters shall not be used where there are existing storm drains.
9. Include finished grade on street over storm drain.
10. Show alignment and location of storm drain on plan.
11. Show existing and proposed underground and overhead utilities, including approximate locations of laterals and services to property line.
12. Names of all streets shown on plan and profile
13. Storm drains completed prior to street paving shall have sand traps installed until all improvements are accepted.

14. Minimum slope and/or velocity shall meet RCFC standards.
15. Use rational methods for drainage calculations & hydrology **following the latest Hydrology and Hydraulic Design manuals by the Riverside County Flood Control and Water Conservation District, as well as the latest edition of the Master Drainage Plan for the Palm Springs Area, Zone 6 (current is dated March 1982)** for drainage policy.
16. Runoff from a 10 year frequency storm (Q10) shall be contained within the street section. Runoff from a 100 year frequency storm (Q100) shall be contained within the street right-of-way.
17. Pipe shall be RCP or CIP except where Master Drainage Plan calls for RCB.
18. Storm drain easements shall be obtained prior to construction where underground drains are not located in the ultimate right-of-way.
19. Show construction notes on all sheets.
20. The location of proposed water lines shall be included on storm drain plans in the plan view (for location comparison purposes). On-site domestic water system plans are reviewed and approved by the Building Dept. The Building Dept. will inspect the entire on-site private water system.