

Sewer Area Study Submittal Check List:

Narrative items to be included in the Sewer Area Study:

- a. Introduction
- b. Site description
- c. Project description
- d. Description of existing sewer system
- e. Description of proposed sewer system
- f. Methodology used and list of references
- g. Sewer capacity analysis
- h. Proposed mitigation if necessary
- i. Conclusion

Additional items to be included:

- a. Cover Page
 - I. Project site address, case number (ESTU.....) and PC number, CUP number, Tentative map number.
 - II. Prepared company and engineer
 - III. Signature, stamp or seal, and license expiration date of a licensed civil engineer.
- b. Sewer Area Map
 - I. Boundary of tributary area
 - II. Location of project site
 - III. Existing sewer lines with manhole number, diameter, slope, and direction of flow from project site to the trunk
 - IV. Zoning and Acreage for each subarea within tributary area
 - V. City and County jurisdiction boundary
- c. Table of sewer capacity analysis
 - I. Pipe size and slope should from As-built sewer plan. If as-built is not available, please apply the flatter slope for different pipe size to be more conservative. Or, conduct a sewer manhole survey.
 - II. Use Kutter's formula with $n=0.013$ to calculate design capacity.
 - III. Calculated flow should base on Zoning and Acreages.
 - IV. Analyze each segment from project site to the trunk.
- d. Will Serve Letter from the trunk sewer agency.
- e. All supporting plans/maps:
 - I. Tentative Map
 - II. Plot plan/exhibit map

- III.** As-built sewer plan from proposed connection to trunk sewer with manhole number labeled per CSMD maps.
 - IV.** Sewer Maintenance Division index maps that cover the tributary area
 - V.** LA County zoning map or City zoning map covering the entire tributary area
 - VI.** Conditions of approval (City Resolution if a city project)
- f.** City Service Request, tributary area is covering City jurisdiction.