



IMPROVEMENT PLAN REQUIREMENTS



COMMUNITY DEVELOPMENT DEPARTMENT • 345 N EL DORADO STREET • STOCKTON, CA 95202 • (209) 937-8366
www.stocktonca.gov/engineeringpermitapplications

Below is a checklist of items that are typically required for an Improvement Plan. This checklist should be used as a guide to ensure that you provide a complete permit submittal. Additional information may be requested based on the complexity and impact of the proposed project. Providing a complete submittal is critical to receiving a thorough plan review and expediting the plan approval process. For more information, please contact the Engineering Division at CDDEngineering@stocktonca.gov.

REQUIREMENTS FOR IMPROVEMENT PLANS	
GENERAL	
	Format of plans must conform with Drawing Nos G1 – G6 of City of Stockton Standard Drawings
	Plans must conform with Drawing Nos R1 – R3 of City of Stockton Standard Drawings
	Structural calculations for special structures
	Engineer’s estimate for the improvements with 10% contingency (signed/stamped by licensed Civil Engineer)
	Plans are consistent with the project’s master plans, Development Agreement, Tentative Map and Conditions of Approval (as applicable)
PLANS	
	Conform to City of Stockton Standard Plans and Specifications and Appendices
	General and Project specific notes are included
	Vicinity Map including benchmark location
	Survey monuments are shown
	Underground Service Alert (USA) on all sheets
	COS Benchmark and datum shown (Bench Marks, Elevations and Descriptions)
	All object lines labeled
	Curve data given-central angle, radius, length, and tangent
	Typical street structural sections are shown, including Traffic Index and R-value. Include Deep Lift Asphalt option as needed.
	In designing structural section, collect traffic data and calculate Traffic Index for facilities serving trucks
	Label all stations and items that require relocation
	Show station and width of driveways
	Show station equation at all intersections
	Existing topography with contours and grades shown where applicable
	Align ADA ramps with each the path of pedestrian travel, and contain ramps within marked and un-marked crosswalks
	Include all isolux patterns for all streetlight and conform with Drawing Nos R85 through R88 of the City of Stockton Standard Drawings

The approach nose of a divisional median island should be highly visible day and night with appropriate use of signs (reflectorized or illuminated) and object markers. The approach nose should be offset from the through traffic to minimize accidental impacts (refer to Caltrans HDM Index 405.4). A divisional median island shall not be less than 4 feet wide.

IMPROVEMENT PLAN CHECKLIST

STORM, SEWER & WATER	
	Design and calculations conform to City of Stockton Standard Drawing Nos S2 and D2
	Plans correspond to utility master plans or utility calculations as applicable
	Minimum separations between sewer and water pipes per City of Stockton Standards S-4
	Slope, length, size, type, and pipe class are shown in profile
	Pipe material according to City of Stockton Standard Specifications Section 71
	Hydraulic Grade Line (HGL) is shown in storm drain maintenance holes
	Maintenance holes are referenced to the City of Stockton Standard Drawing Nos S5 – S13
	Catch basins are referenced to the City of Stockton Standard Drawing Nos D6 – D9
	Label existing maintenance holes, water valves and other facilities to be adjusted to grade
	Invert elevations are shown at all maintenance holes, rims, pipe sizes, and stations
SIGNING & STRIPING	
	Signing and striping comply with California Manual on Uniform Traffic Control Devices, Caltrans, and City of Stockton Standard Drawings
	Define truck size (STAA or Cal-Legal) and applicable turning templates including simultaneous movements at proposed driveways
INTERSECTION DESIGN WITH TRAFFIC SIGNALS	
	Fiber optic connections need to be identified and shown on the plan
	Decorative surface that creates vibrating bumpy ride and vertical discontinuity is not allowed
	Identify phasing (split versus standard) for signal performance and proper intersection geometric design
	Include equipment schedule, pole placement dimension table, and detector table
	Include conduit sizing and conductor schedule
	Include bike detection in the design
	Include all relevant electrical standard plans (refer to City of Stockton Traffic Signal Specification and Traffic and Traffic Signal Design & Operation Guide)
	Must include fiber optic connections for all traffic signals and roundabouts throughout the project
	The traffic sign area at corners needs to be designed to meet Stockton Municipal Code section 16.36.140
	The minimum traffic signal sight distance shall be followed per California Manual on Uniform Traffic Control Devices, Table 4D-1
	Curves approaching an intersection shall tangent no closer than 300' to the intersection
	All intersections that require signalization or all-way stop should first be evaluated as a Roundabout.
NEIGHBORHOOD TRAFFIC MANAGEMENT PROGRAM	
	Design roundabout, traffic circle, crosswalk, and other City of Stockton Traffic Calming Guidelines and City of Stockton Pedestrian Safety and Crosswalk Installation Guidelines
EROSION CONTROL	
	Include erosion and sediment control
	Conform to SWPPP plan submitted to Department of Water Resources
	Include the WDID number on plans

***Please note the following changes to resubmitting your plans: You must provide a response to every redline comment on this submittal. If you provide a response letter, you must annotate on our redlines the corresponding response number on your response letter, so we can confirm that every redline comment has a response. Secondly, if you incorporated any change to the plans that was not a result of City comment, you must draw our attention to the change and annotate the reason for the change. Failure to comply with these resubmittal requirements will result in the rejection of your resubmittal. This effort will help reduce the number of review cycles required.**

External Agency Links: [California Manual on Uniform Traffic Control Devices](#)