# IMPROVEMENT PLAN REQUIREMENTS

CITY OF STOCKTON

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** |
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| 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 |

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| 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 thought 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 |

External Agency Links: California Manual on Uniform Traffic Control Devices