



City of Santa Barbara
Public Works Department
**PUBLIC IMPROVEMENT PLANS
(C-1 CONSTRUCTION DRAWINGS)**

Introduction:

Public Works Department C-1 construction drawings may be required when new or altered public improvements are proposed within the public right-of-way. Typical improvements include, but are not limited to, new or realigned street, curb and gutter and/or City utility mains. However, improvements such as new sidewalk or replacement of existing curb and gutter at the same alignment and elevation do not invoke the requirement for a C-1 drawing.

MINIMUM SUBMITTAL REQUIREMENTS

- City Master Application.** At the time of application, the Applicant shall submit a completed and signed City Master Application to the Public Works Department, Front Counter, at 630 Garden Street to apply for a new Public Works Permit (PBW). All proposed public improvements need to be included in the C-1 drawing. In addition, separate application(s) for water service may be required.
- Plans shall be submitted on 24" x 36" (Arch D, not ANSI D) bond with City Title block
- Provide the **Project Description** on the Title Sheet of Public Improvements Proposed (not on-site improvements).
- Provide an **Engineer's Estimate of Probable Costs** for all public improvements and work in the public right-of-way (ROW).
- Submit a **plan check fee** per City Fee Resolution based on the Engineer's Estimation. If no Engineer's Estimation is available at time of submittal, the minimum submittal fee for C-1 drawings will be used.
- Design standards shall be listed on plans**, e.g.: the most current Standard Specifications for Public Works Construction (Greenbook); the most current City Construction Standard Details; 2016 CA M.U.T.C.D.; ADAAG/Title 24 guidelines for improvements in public ROW; City Standards for Parking Design; City Storm Water Master Plan (*see City Design Engineer to review*); City Post-Construction Management Practices (BMP's); City Pedestrian Master Plan; 2016 Cal Trans Highway Design Manual; SBMC etc.
- Hydrology calculations.** Required primarily for storm drains.
- C-1 plans at initial submittal.** Submit **plan sets on a CD or Flash drive as one Adobe Acrobat .pdf file**, prepared by a Civil Engineer registered in the State of CA, for routing and plan checking. Additional plan sets will be required with any resubmittals – see plan check comments for required plan sets.
- DART requirements:** When an **Engineer's Estimate** and Land Development Agreement is required, submit a current **Preliminary Title Report (PTR)**, **dated within 3 months of the application**, for the property related public improvements.

SPECIFIC PLAN REQUIREMENTS

C-1 plans shall include:

- Legend, Sheet Index and City Title Block** (can be found at: https://civicaweb.santabarbaraca.gov/gov/depts/pw/engineering/resource_documents/cadstan.asp)
- . Engineering staff will assign a C-1 drawing number as a part of the initial plan check and a Public Works permit tracking number (PBW). The project title block shall be limited to 3 lines. *For example:* The 1st line is the basic description (e.g.: Coyote Rd. Sewer Main Extension), the 2nd line would be the “xxx hundred block of xxx street” where improvements are proposed, and the 3rd line will vary between, “Title Sheet and Construction Notes”/ “Plan and Profile”/ “Details”, etc. A sample C-1 drawing with title block and revised City drafting standards are available on the City of Santa Barbara Website.
- Engineer of Record’s name and license number** including stamp with expiration date, company address, telephone number.
- Declaration of Engineer of Record**, on the cover sheet of the plans.

I hereby declare that the design of the improvements as shown on these plans complies with professional engineering standards and practices. As the engineer in responsible charge of the design of these improvements, I assume full responsible charge for such design. I understand and acknowledge that the plan check of these plans by the City of Santa Barbara is a review for the limited purpose of ensuring the plans comply with Public Works Construction Standard Details, procedures, and other applicable policies and ordinances. The plan check is not a determination of the technical adequacy of the design of the improvements. Such plan check does not, therefore, relieve me of my responsibility for the design of these improvements.

As the engineer of record, I agree to indemnify and hold the City of Santa Barbara, its officers, agents, and employees harmless from any and all liability, claims, damages or injuries to any person or property which might arise from the negligent acts, errors or omissions of the engineer of record, my employees, agents or consultants.

- Draw plans using an **Engineering scale** at an appropriate scale. Staff recommends 1”=20’ horizontal and 1”=4’ vertical minimum, or 40 scale horizontal at the smallest and 10 scale horizontal at the largest.
- On the Title Sheet** provide a site plan, vicinity map with north arrow, abbreviation legend, and symbol legend
- Plan and profile** views for subsurface improvements and plan view for surface public improvements.
- General Notes** for project as determined by the Engineer of Record.
- Clearly **label existing and proposed improvements**, and differentiate with gray scale for existing and bold lines for proposed.
- Assessor’s Parcel Numbers (**APN’s**), street **addresses** shown for any parcels adjacent to the proposed project, and list **SHO or PC Reso. No.** on Title Sheet, if applicable.
- Provide **dimensions** for property lines, and dimensions on right of way boundaries, street widths and provide bearings on new underground utilities (e.g.: water main, sewer main or storm drain).

SPECIFIC PLAN REQUIREMENTS continued...

- Show all **existing and proposed utilities**, including but not limited to the sizes of mains, type of materials, services or laterals, driveways, sidewalk, curb, buildings, poles, signs, drainage structures, fences, walls, street trees, parkway improvements, and any other obstruction existing or proposed in the public right-of-way.
- Structural section(s)**. Indicate thickness and type of sub-base, base and paving materials and compaction requirements as identified in a soils report and per the City's Construction Standard Details. Structural calculations are required for any structures in the ROW such as structural sections, retaining walls, vaults, etc.
- Indicate any **abandonment** in place or removal of public utilities.
- Indicate how **site drainage** will be accommodated and discharged into the public right-of-way drainage systems.
- Identify all **survey monuments** within the public ROW and requirement to protect in-place or tie-out and file a Corner Record with County Surveyor prior to construction and reestablish appropriate survey monument(s) and file a Corner a Record with County Surveyor..
- Identify all **sandstone curbs** located at the property frontage.
- Soils report** and engineering geology report, if needed.
- Survey datum** must be identified and the proposed improvements tied into the City of Santa Barbara Control Network grid, using NAVD 88 for the vertical and NAD 83 for the horizontal datum coordinate elevations. See SBMC 27.10.080. Provide **basis of bearing** on new water main, storm drain and sewer main alignments.
- Show all **proposed and existing contours**, flow arrows and drainage pipes. Site drainage to the gutter must be conveyed via City standard curb outlets with the appropriate City standard detail listed. Preliminary **hydrology calculations** may be required for any proposed drainage conveyance systems.
- Identify **cracked or uplifted concrete** sidewalks and/or driveway in construction notes to be saw-cut and replaced to City standard.
- Show new **street trees**, tree wells, and where required, tree grates - coordinate with the City Arborist. Removal of existing street trees requires Parks Commission review and approval.
- Proposed trenching in **archeologically sensitive zones** requires the applicant to consult with City Planning Division.
- If applicable, submit as a part of the C-1's a **traffic signal and/or striping plan**, including but not limited to a striping, signals, street signs, and specifications, in addition to any improvements within the pedestrian corridor. A proposed **temporary traffic control (TTC)** shall be supplementary to the C-1 drawings and submitted by the contractor at a later date.
- Refer to the City of Santa Barbara Engineering Design Guidelines for additional design criteria to be followed.

**The above addresses Public Works Department concerns and requirements.
Other City Divisions/Departments may have additional requirements.**

For information call (805) 564-5388