

THE CITY OF SANTA CLARA
SILICON VALLEY POWER
CALeVIP COMMERCIAL LEVEL 2 AND DC FAST CAR CHARGER
PROJECT DRAWING CHECKLIST

Per established City of Santa Clara and Silicon Valley Power rules and regulations, all applicants must apply with the City for all applicable permits. It is highly recommended that the applicant start the project design before submitting the permit application; and if they meet all established criteria, then they may apply for the Applicant Design Process (ADP). This process will be necessary to meet the CALeVIP timelines for incentives.

See document (SD-1010) for an explanation of all rules regarding this process.

All drawings created for this work must meet all criteria as defined in SVP standard document (SD-1800). Drawings must have the same look, feel, and design style of any drawing that may have been created in house at SVP, as depicted in SVP sample drawings. (Contact SVP Electrical Engineering for sample drawings and drafting Kit CD). Following are the checklist items that will be required for SVP Electrical Engineering to review the applicant's plans and/or their applicant design. Please check off the list that apply to this project.

Fully dimensioned SITE PLAN showing:

- Scope of work is clearly defined on the coversheets.
- Legal address of project is correctly identified in the title block and legal description given.
- Drawings with north arrow.
- Plans scaled and dimensioned (standard engineering scales only).
- Parcel lines/property lines with distances from face-of-curb and street centerline.
- Sidewalk and ADA public street frontage improvements.
- Building setbacks to property lines.
- Location of all easements (proposed, existing, proposed to be vacated, if any).
- Existing and proposed buildings, including square footage and number of units, if applicable.
- Existing and proposed driveways, parking spaces and circulation (including sidewalks or complete street details). Triangle of Safety at driveways.
- Public storm drain and/or sanitary sewer mains (type, size, and slope pipes) existing, proposed, and proposed to be abandoned, if any.
- All permanent structures indicated, e.g. trash enclosures, bike lockers, playground equipment, walls, fences, security gates, etc.
- Monument signs, billboards or signage. Indicate whether or not they are ground mounted or overhang off of a structure.
- Planting areas; including types of trees/shrubs.

Fully dimensioned ELEVATIONS showing:

- Existing and proposed elevations of north, south, east, and west.

Fully dimensioned ELECTRICAL PLAN showing:

- Composite utility plan, showing all existing and proposed Public Utilities (water, sanitary sewer, storm drain, gas, fiber optic, cable, communication, electric, etc.).
- ALL new (N) and existing (E) overhead and underground facilities, such as electric, water, gas, sewer, fiber, phone, cable television, communications, easements, etc.
- Number, type, capacity, and locations of existing vehicle car chargers.
- Number, type, capacity, and locations of proposed new vehicle car chargers.
- All electrical room/meter locations shown on the plans, in accordance with SVP standards/rules and regulations.
- Location of transformers required for project (determined after initial meeting with SVP Planning personnel).
- Additional electrical equipment locations required, if applicable, including those for vacuum disconnect switch cabinets (determined after initial meeting with SVP Planning personnel).
- Indication of below-grade parking structures and verification that all utilities will be placed in “real dirt” locations.
- Location of all trenches, existing and new, on-site.
- Show separation between proposed electric trench and all other utilities per standard document UG 1000.
- Overhead utility and power lines and trees (new and existing) shall be noted on the plans.
- Existing overhead structures clearly defined, including poles, traffic signals, area lighting, etc.
- Existing and proposed landscaping improvements clearly defined in relation to the utilities at the same scale.

ELECTRICAL LOAD SCHEDULE AND SINGLE LINE DIAGRAM:

- Electric load summary for entire project; including new car charger load.
- Separate electric load summary of new car charger load.
- An electrical single-line diagram for all panels.
- Electric Service requirements being requested:
 - 120/208
 - 120/240
 - 480/277

OTHER PERTINENT INFORMATION:

- Project in-service dates including project milestones, such as anticipated permit application, temp power requests, grading and foundation, etc.