

Scope of Services and Survey Requirements

Survey to include California Coastal Conservancy easement on parcel 4450-007-027.

Land (Boundary) Survey Requirements

1. Extend survey no less than to centerline of Pacific Coast Highway.
2. Show identity, jurisdiction and width of adjoining street and highways, width and type of pavement. Identify landmarks.
3. Show encroachments, either way across property lines.
4. Describe fences and walls.
5. Note anticipated street widening if known.
6. All streets are to be shown in their entirety including shoulder and striping.
7. Reconcile or explain any discrepancies between the survey and the recorded legal description.

Topographic Survey Requirements

Site Features:

1. Field survey locations of all visible structures and buildings, building corners, within the limit of work within 0.01 feet.
2. Indicate walls and fences, noting top of wall and bottom of wall elevations, fence heights, and thicknesses.
3. Perimeter outline of thickly vegetated areas, if any.
4. Field survey to show the following data on surface and accessible substructures:
 - Location of storm drains, catch basins, manholes, headwalls, cleanouts etc. Record elevation of top of covers/rims, invert of structure, invert and size of each pipe and direction of flow. Note any debris and/or standing water.
 - Location and dimensions of storm pipe and outfall.
 - Location and elevation of potable water valves, meters, backflow preventers, fire hydrants,
 - Location and elevation of gas valves, meters and regulators,
 - Location and elevation of overhead power, cable TV, telephone, poles, guy-wires, transformers, switchboards, meters, pull boxes, etc., and
 - Location and elevation of streetlights, light standards, street signs, control boxes.
5. Obtain underground utility information and include location, size, depth and pressure of water and gas mains, and other utilities including, but not limited to, buried tanks and septic fields, serving the property or on the property. Search record data of underground utilities and review with utility agency/company to show the following data:
 - Location, route, size, and depth of buried pipes, conduits and inaccessible underground structures,

- Name of agency/company for each utility including contact person and phone number.
6. Include location and characteristics of visible light fixtures and power and communications systems above and below grade.

Topography:

7. Indicate spot elevations of pavements and other hard surfaces, high points of current drainage pattern, rims and inverts of utility structures, building floors, benchmarks, stairs (top and bottom at each landing) and other fixed elements rounded to the nearest hundredth foot (0.01'), on other planted surfaces rounded to the nearest tenth foot (0.1').
8. Field survey spot elevations at all points of intersection of decking, paths, street, and building corners.
9. Indicate mean high tide line (MHTL).
10. Spot elevations and other attribute information in the computer files to be oriented to be readable when the sheet is printing with north at the top of the sheet and is not to overlap. Text should read at 1/8" when printed at a scale of 1" = 20'.

Benchmarks:

- 11 All lines of levels shall be checked by separate check level lines and on previous turning points or benchmarks.