

### Description of Services

The following descriptions are designed to assist the layperson in selecting the proper engineering/land surveying services. The descriptions are general and the firms listed on the back page should be contacted for further clarification.

### Environmental (E)

The firm prepares environmental studies/reports and evaluations in conjunction with land development projects and works with the Civil Engineer/Land Surveyor in taking the project through the governmental approval process.

### Hydrology/Hydraulics (HY)

Hydrology/hydraulics typically include the preparation of hydrologic and hydraulic reports, erosion control plans, storm water management plans, analysis and design of storm water BMP's, and flood control facilities. Services might also include more advanced riverside and floodplain management studies.

### Land Development Planning (LD)

Land development engineering firms perform a wide array of services associated with the subdivision of land and the improvements necessary to prepare a site for building. The engineering firm may help prepare a conceptual plan for a development which may include preliminary environmental evaluations, take the project through the governmental approval process, prepare plans for site improvements (i.e. grading, roads, sewer, waterlines, drainage facilities, etc.), surveying, and generally take all steps necessary to subdivide a parcel of land.

### Land Surveying (LS)

Tasks commonly associated with land surveying include boundary surveys to establish property lines, topographic contour maps, laying out the alignment of roads, pipelines, etc. from engineering drawings, and controlling the location and height of grading operations. Many more specialized tasks may be performed by a surveyor. A qualified land surveyor can answer questions regarding land ownership and boundary location and can also advise on the proper course of action.

### Photogrammetric Engineering & Aerial Mapping (PS)

Photogrammetric services include aerial photography, topographic and planimetric mapping, GIS base mapping, digital orthophotos and photogrammetric consulting. Products rendered can be delivered as hard copy plots and /or digitally.

### Planning (P)

The firm prepares a conceptual plan for the development with the Civil Engineer/Land Surveyor in taking the project through governmental approval process. Other typical tasks include General Plan Amendments, zone changes and annexations.

### Sanitary Septic System Design (SA)

Septic system design and engineering deals with the testing and design of on-site subsurface sewage disposal systems in areas where public sewer is not available, typically in the unincorporated areas of the County.

### Soils Engineering (SE)

Soils engineering deals with soil stability and geologic issues. Typical projects include investigations to determine soil characteristics on a building site, slope stability problems, building settlement issues, and quality control for grading projects. Many geotechnical firms also have capabilities to study ground water movement, and other related subsurface issues.

### Structural Design (SD)

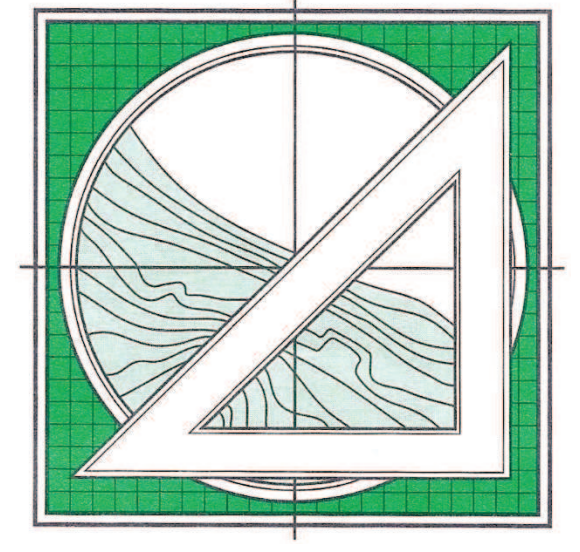
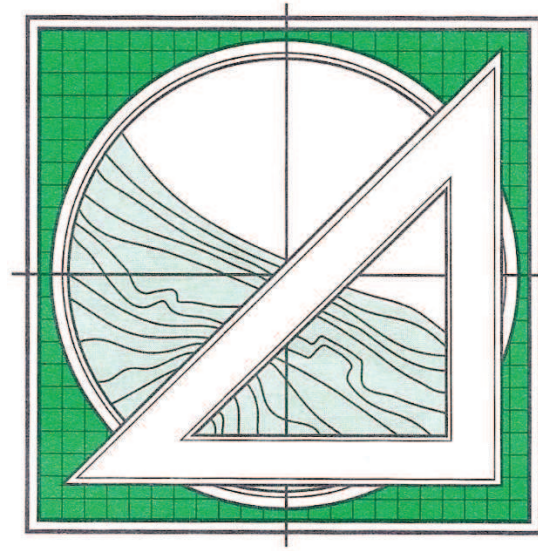
Structural engineering is the analysis and design of structural members or systems to resist gravity and lateral (wind and earthquake) forces. Typical projects include structural calculations and drawings for retaining walls, and all type of buildings, except public schools and public hospitals.

### Traffic Engineering (TE)

Traffic engineering firms deal with traffic planning. Demographic data is used to predict traffic patterns to determine where new streets are needed, when a street must be widened, where traffic control devices are needed and other similar information.

*For more information or additional brochures write to:*

**NCC&LSA**  
**PO Box 2367**  
**San Marcos, CA 92079-2367**  
or  
email [nce.lsa@gmail.com](mailto:nce.lsa@gmail.com)



*Information also available on our website:*

**NCCELSA.com**



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## North County Civil Engineers and Land Surveyors Association Directory

The North County Civil Engineers and Land Surveyors Association serves the dual purpose of maintaining the high professional standards of its members and providing liaison between government agencies and private business. The Association promotes integrity, good faith, just and equitable principles in business, uniformity in professional practices, and represents the business and professional interest of Civil Engineers and Land Surveyors in the City and County legislation throughout Southern California and the local region

## N.C.C.E. & L.S. Association Member Listing

**A. J. Surveying**  
10957 Canis Lane  
San Diego, CA, 92126  
208-596-0528  
Amanda Jones. PLS  
a.jones@ajs-us.com  
Specialty: LS

**Civil Engineering Consulting Services**  
P.O. Box 2158  
Valley Center, CA, 92082  
760-271-8261  
Marco A. Limon PE  
civilengineeringconsulting services.us  
Specialty: SD

**Civil Landworks**  
110 Copperwood Way, Ste P  
Oceanside, CA, 92058  
760-908-8754 x5  
David Caron, PE  
www.civillandworks.com  
Specialty: LD

**Clarke Environmental Design, Inc.**  
110 Copperwood Way, # P  
Oceanside, CA, 92058  
760-716-3100  
Sean R. Clarke, RLA  
sean@srclandarc.com  
Specialty: E

**Coastal Land Solutions, Inc.**  
1010 S Coast Hwy 101, Ste 103  
Encinitas, CA, 92024  
760-230-6025 202  
Sean C. Englert, LS  
www.coastal-land-solutions.com  
Specialty: LD LS PS P HY

**Dan D. Harrison**  
Santee, CA, 92071-5021  
619-449-6033  
Dan D. Harrison, LS  
dan.harrison@cox.net  
Specialty: LS Retired

**GIS Surveyor's, Inc.**  
10911 Technology Pl  
San Diego, CA, 92127  
858-679-1732  
Paul Loska, LS  
www.gissurveyors.com  
Specialty: LS PS

**Karn Engineering & Surveying**  
129 Fig Street (P.O. Box 518)  
Fallbrook, CA, 92028  
760-728-1134  
Scott Harry, PE, LS  
www.karnengineering.com  
Specialty: LD LS P SA HY

**Latitude 33 Planning & Engineering**  
10731 Treena St  
San Diego, CA, 92131  
760-331-3702  
Lucas Townsend, PE  
Specialty: LD

**Marc Boogay, Consulting Engineer**  
1584 Whispering Palm Drive  
Oceanside, CA, 92056  
760-212-0012  
Marc Boogay, RCE  
www.boogay.com  
Specialty: SA, E

**Pasco, Laret, Suiter and Assoc. Inc**  
1911 San Diego Ave., Suite 100  
San Diego, CA, 92110  
858-259-8212  
Justin Suiter, PE  
www.plsaengineering.com  
Specialty: LD LS P

**Rancho Coastal Engineering and Surveying Inc.**  
310 Via Vera Cruz, #205  
San Marcos, CA, 92078  
858 775-8474  
Douglas E. Logan, PE  
www.rcesd.com  
Specialty: LD LS HY P SD

## 2025

**Rancho Land Co.**  
P.O. Box 2634  
Ramona, CA, 92065  
619-871-4504  
Casey Lynch  
www.rancholandco.com  
Specialty: LS

**San Dieguito Engineering, Inc.**  
1911 Palomar Oaks Way, Suite 200  
Carlsbad, CA, 92008  
858-345-1149  
Annie Aguilar, PE  
www.sdeinc.com  
Specialty: LD LS P PS HY

**Saxon Engineering Services, Inc.**  
2605 Temple Heights Drive, Suite A  
Oceanside, CA, 92056  
949-366-2180  
Kurt Saxon, PE  
www.saxonengr.com  
Specialty: LD LS HY

**Shick Land Consulting**  
1943 Ainsley Rd  
San Diego, CA, 92123  
858-571-3288  
Richard L. Shick, Jr PE  
sdparadise@earthlink.net  
Specialty: LD

**SMS Geotechnical Solutions, Inc.**  
5931 Sea Lion Place, Suite 109  
Carlsbad, CA, 92010  
760-602-7815  
Mehdi Shariat, PE, GE  
www.smsgeotechnicalSolutions.com  
Specialty: SE

**Spear and Associates, Inc.**  
475 Production Street  
San Marcos, CA, 92078  
760-736-2040  
Ramon Spear, LS  
www.spearinc.net  
Specialty: LS,LD,HY

**Szytel Engineering and Surveying, Inc.**  
P.O. Box 1588  
Valley Center, CA, 92082  
760-741-6979  
Gary Szytel, RCE, PLS  
www.szytel-engineering.com  
Specialty: LD LS

**The Sea Bright Company**  
4322 Sea Bright Place  
Carlsbad, CA, 92008  
760-807-9098  
Robert Sukup RCE  
sukup@roadrunner.com  
Specialty: LD

**Tory R. Walker Engineering, Inc.**  
122 Civic Center Dr., Ste 206  
Vista, CA, 92084  
760-414-9212  
Tory R. Walker PE  
TRWEngineering.com  
Specialty: HY

**Value Engineering**  
7373 Central Ave.  
Lemon Grove, CA, 91945  
619-952-7255  
Alberto Sandoval, PE  
asandoval@value-engineer.org  
Specialty: LD, HY

**Vinje & Middleton Engineering, Inc.**  
2450 Auto Park Way  
Escondido, CA, 92029  
760-743-1214  
Malcolm Vinje, RCE  
vinje.middleton@sbcglobal.net  
Specialty: SE SA E

**U. C. Iacuanello II, Consulting Engineer**  
1128 Mulberry Dr  
San Marcos, CA, 92069  
760-703-6808  
U.C. Iacuanello II, RCE  
ucicrestengrg@att.net  
Specialty: SD Retired

**Wunderlin Engineering Inc.**  
P.O. Box 461300  
Escondido, CA, 92046  
760-644-2944  
Michael Wunderlin RCE,LS  
wunderlinengineering.com  
Specialty: LD,LS,SA,HY

**Will Rogers & Associates (ASSOC. MEM)**  
27315 Valley Center Road, Suite A  
Valley Center, CA, 92082  
760-703-9946  
Will Rogers, RLA  
wra-us.com  
Specialty: P

**Wynn Engineering, Inc.**  
27315 Valley Center Road  
Valley Center, CA, 92082  
760-749-8722  
Gary Wynn, PE  
www.wynnengineering.com  
Specialty: LD LS P SA HY SD

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