

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)

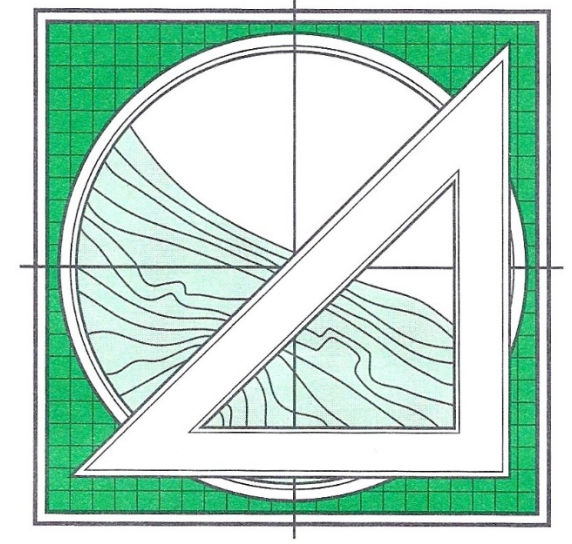
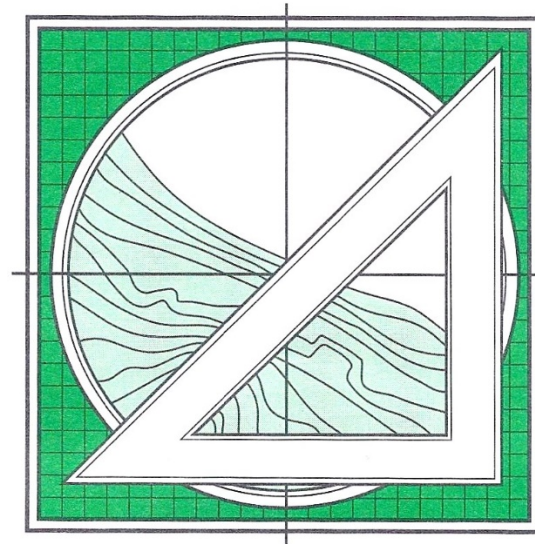
Structural engineering is the analysis and design of structural members or systems to resist gravity and lateral (wind and earthquake) forces. Typical projects include structural calculations and drawings for retaining walls, and all type of buildings, except public schools and public hospitals.

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 nccel.sa@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

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

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

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

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

Will Rogers & Associates (ASSOC. MEM)
 27315 Valley Center Road, Suite A
 Valley Center, CA, 92082
 760-703-9946
 Will Rogers, RLA
 will.rogers@hotmail.com
 Specialty: P

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

Kier & Wright Escondido
 500 La Terraza Blvd, Suite 102
 Escondido, CA, 92025
 760-640-0265
 Casey Lynch, PLS
 www.kierwright.com
 Specialty: LD LS P SA HY

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

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

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

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

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

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

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

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

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

Rancho Coastal Eng. and Surveying Inc.
 310 Via Vera Cruz, #205
 San Marcos, CA, 92078
 760-510-3152
 Douglas E. Logan, PE
 www.rcesd.com
 Specialty: LD LS HY P SD

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

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

GIS Surveyor's, Inc.
 12120 Tech Center Dr., Suite "D"
 Poway, CA, 92064
 858-679-1732
 Paul Loska, LS
 www.gissurveyors.com
 Specialty: LS PS

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

Teas Land Surveying Inc.
 930 Hubbard Ave.
 Escondido, CA, 92027
 760-745-9122
 William Teas LS
 www.teasurvey.com
 Specialty: LS

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