REQUEST FOR QUALIFICATIONS (RFQ)

FOR PROFESSIONAL CIVIL ENGINEERS REGISTERED IN THE STATE OF CALIFORNIA

TO DESIGN, REVIEW AND/OR CERTIFY STORM WATER TREATMENT BEST MANAGEMENT PRACTICES AND HYDROMODIFICATION FLOW CONTROL FACILITIES

SCVURPPP

June 27, 2008

Siegfried Engineering, Inc.
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SIEGFRIED ENGINEERING, INC.

SHAPING SUCCESS WITH CLIENT-CENTERED SOLUTIONS

June 25, 2008

Ms. Jill Bicknell
EOA, Inc.
Assistant Program Manager, SCVURPPP
111 West Evelyn Avenue, Suite 110
Sunnyvale, CA 94086

Dear Ms. Bicknell:

Subject: **SCVURPPP Request for Qualifications (RFQ) for Professional Civil Engineers Registered in the State of California to Design, Review, and/or Certify Storm Water Treatment Best Management Practices and Hydromodification Flow Control Facilities**

Siegfried Engineering, Inc. (SEI) is pleased to submit its Statement of Qualifications for professional civil engineers registered in the State of California to design, review and/or certify storm water treatment best management practices and hydromodification flow control facilities.

Founded in 1955 in Stockton, SEI is the largest civil engineering firm which is native to San Joaquin County with a staff of twenty-five (25) expert professionals and skilled technicians. In SEI's 53 years of professional service, SEI has prepared numerous Storm Water Management Plans for new and redevelopment projects that meet the requirements of the respective municipality's:

1) NPDES Permit,
2) hydromodification plan (HMP),
3) Municipal Code, and
4) established criteria.

The SEI project team will consist of **Paul J. Schneider, Rodney W. Gray** and **B. Dean Khloth** to provide the required qualifications and experience with Storm Water Management Plans, flow control facilities, and continuous simulation hydrologic modeling.

The primary contact at SEI for the qualifications process will be
Paul J. Schneider, P.E.
▸(209) 943-2021, *Office* ▸(209) 607-0710, *Cell* ▸(209) 942-0214, *Fax*

SEI looks forward to the opportunity to be placed on the "Qualified Consultants List" to assist SCVURPPP's Co-permitee agencies with the varying facets of the design and/or review of Storm Water Management Plans, hydromodification flow control facilities, and best management practices (BMP) cost estimates for new and redevelopment projects.

Very truly yours,
Siegfried Engineering, Inc.

Paul J. Schneider, P.E.
Vice President

4045 Coronado Avenue, Stockton, California 95204-2396
Tel (209) 943-2021 ▸Fax (209) 942-0214 ▸mail@siegfriedeng.com

I. FIRM DESCRIPTION

Siegfried Engineering, Inc. (SEI) of Stockton was **founded in 1955** by Robert W. Siegfried and is the largest local civil engineering firm which is native to San Joaquin County. SEI has provided **53 years of professional services,** mainly in San Joaquin County, for projects in the fields of

- Civil Engineering,
- Land Surveying,
- Planning.
- Structural Engineering,
- Water Resources Engineering,

Firm Name: Siegfried Engineering, Inc.
Business Address: 4045 Coronado Avenue, Stockton, CA 95204
Telephone Number: (209) 943-2021
Year Established: 1955

Primary contact: Paul J. Schneider, P.E.
(209) 943-2021, office
(209) 607-0710, cell
(209) 942-0214, fax
email: pjs@siegfriedeng.com

SEI is certified by the State of California Department of General Services, Office of Small Business and DVBE Services as a **Small Business Enterprise (SBE)**.

In civil and structural engineering, land surveying, water resources engineering, and planning, **SEI has earned a reputation for excellence with its solid performance**. Throughout the years, SEI has established a history of positive working relationships with public agencies on the local, City, County, and State levels. The firm is also pleased to have earned the loyalty of numerous clients in the private sector.

SEI's lengthy record of experience has culminated in broadly and deeply established capabilities. The firm commits a team of talented professionals with seasoned skills in specialties across the board to every project they undertake. Whether the project requires services in a single division or a number of our divisions, SEI is equipped to deliver insightful planning, effective design, and seamless execution of the highest quality.

Throughout the duration of the project, from the development of a designated team to follow-through with regulatory agencies, SEI's focus remains on the needs of the client. Each team is led by a principal of the firm and is comprised of professionals who are dedicated both to the effort and to the highest standard of ethics.

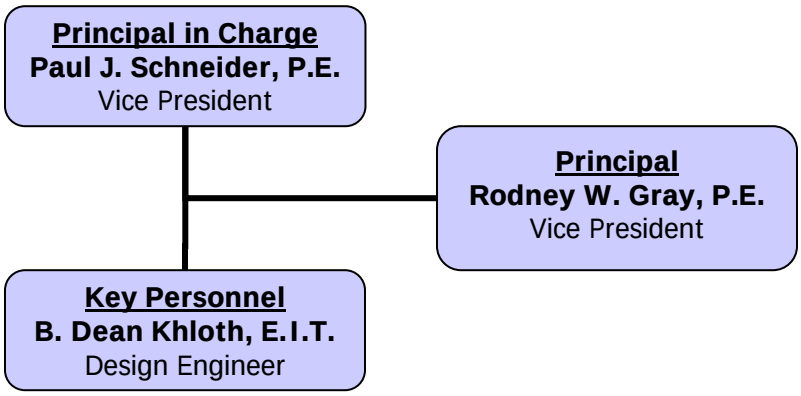
The SEI staff currently numbers 25 and is comprised of registered civil and structural engineers, registered land surveyors, design engineers, engineering assistants and draftspersons, survey technicians/field crew, and clerical and administrative staff. Some of the office personnel are also trained for field positions.

Over SEI's 53 years of experience, it has become clear that keeping the varied divisions and services the firm offers under one roof benefits both the process and the product, streamlining costs while maximizing function. Each of SEI's divisions is additionally able to operate independently and efficiently as the needs of individual projects dictate.

At SEI, decades of experience have given rise to the sound insight and solid execution that continue to earn satisfaction in every arena.

II. PROJECT TEAM

SEI's project team for the design and/or review of Storm Water Management Plans, hydromodification flow control facilities, and best management practices (BMP) cost estimates will consist of the following principals and key personnel.



Though SEI's project team has not completed specific training on BMP design for managing storm water quality flow within the past three years, we are confident that the cumulative qualifications and experience of the project team, as exemplified in the enclosed descriptions of relevant projects and references, is more than sufficient to show the project team's capability to assist SCVURPPP's Co-permitee agencies with the design and/or review of Storm Water Management Plans, hydromodification flow control facilities, and best management practices cost estimates.

Paul J. Schneider, P.E.

Vice President

EDUCATION
St. Mary's College
B.A. Liberal Arts, 1998

University of the Pacific
B.S. Civil Engineering, 1999

LICENSE
Registered Civil Engineer
License No. 62498, California

PROFESSIONAL AFFILIATION
American Society of Civil Engineers

Paul J. Schneider is recognized for his vitality in the timely production of improvement plans for major civil engineering projects because of his comprehensive engineering knowledge together with his technical skill and expertise for using cutting-edge technology in computer and engineering modeling software. Mr. Schneider is also recognized for his efficient management of Siegfried Engineering's major land development projects, beginning from acquisition of entitlements and development of the conceptual master plan and continuing through the design of the infrastructure and improvement plans.

Mr. Schneider is held in high regard by colleagues and clients for solving complex construction and engineering problems as well as for his insightful and professional approach towards the success of major engineering projects.

Rodney W. Gray, P.E.
Vice President

EDUCATION
University of the Pacific
B.S. Civil Engineering, 1988

LICENSE
Registered Civil Engineer
License No. 64201, California

PROFESSIONAL AFFILIATION
American Society of Civil Engineers

Rodney (Rod) W. Gray is recognized for his ability to conceptualize the intricacies of major engineering projects and for his comprehensive engineering knowledge and technical skills. Mr. Gray's expertise is directing and managing Siegfried Engineering's major land development projects, beginning from the acquisition of entitlements and conceptual master planning and continuing through the design of the infrastructure and improvement plans.

Mr. Gray has managed and directly supervised the study of and design of BMP facilities that includes swales, basins, and treatment vaults for individual commercial and retail development sites, modifying regional basins that serve new and existing mixed land use development, and the design of manmade lakes for new master planned communities. Where appropriate, continuous simulation hydrologic and hydraulic modeling was developed to evaluate and (when necessary) modify peak flows, volume, and flow durations.

B. Dean Khloth, E.I.T.
Design Engineer

EDUCATION
University of the Pacific
B.S. Civil Engineering, 2005

CERTIFICATE
Engineer-In-Training
Certificate No. 122085, California

PROFESSIONAL AFFILIATION
American Society of Civil Engineers

B. Dean Khloth's professional experience thus far has been focused on plan preparation and design, data preparation and data analysis. This focus has also included the preparation of Storm Water Management Plans, the design of hydromodification flow control facilities, the design of stormwater treatment BMPs, and the analysis of hydrologic models.

Mr. Khloth is also experienced with several production and modeling programs such as AutoCAD Civil 3D, BAHM, FlowMaster and Hydra.

III. STATEMENTS OF UNDERSTANDING

Urban Storm Water Management Practices, Issues, and Requirements

Surface water quality is subject to federal, state, and local water quality requirements. General requirements are shown in the following table.

Water Quality Requirement	Enforcing Agency
Clean Water Act	United States Environmental Protection Agency (USEPA)
National Pollutant Discharge Elimination System Permit (NPDES)	California State Water Resources Control Board (SWRCB)
Municipal Separate Storm Sewer System Permit (MSP)	Regional Water Quality Control Board (RWQCB)
Storm Water Management Plan (SWMP) and Hydromodification Plan (HMP)	SCVURPPP (Co-permitee agencies)

The Federal Clean Water Act (33 U.S.C. §§1251 et seq.) is the principal federal statute governing water quality. The goal of the Clean Water Act is to protect the physical, chemical, and biological integrity of the waters of the United States. The Clean Water Act requires the State to adopt water quality standards for water bodies and have those standards approved by EPA. The California state agencies that set water quality standards are the California State Water Resources Control Board (SWRCB) and the Regional Water Quality Control Boards (RWQCBs) that are under the SWRCB's purview. Water quality standards consist of a designated beneficial use or uses for a particular water body, along with water quality objectives based upon these uses {40 C.F.R. §131.3(i)}. Designated beneficial uses of water bodies describe the appropriate uses of that water body, such as contact recreation, warm water habitat, and municipal or drinking water uses. Water quality objectives are limits or levels of water pollutants and/or narrative statements that represent the quality of water that support a particular use.

Under the Clean Water Act, National Pollutant Discharge Elimination System (NPDES) permits require effluent limits necessary to meet water quality standards for pollutants that may cause or contribute to an exceedence of a State Water Quality Standard (40C.F.R. § 122.44). NPDES permits may establish enforceable effluent limitations on discharges, require monitoring of discharges, designate reporting requirements, or require the permittee to perform Best Management Practices (BMPs). BMPs are procedures designed to minimize the release of pollutants. BMPs may be used in addition to numeric effluent limitations, or, in some cases, in lieu of numeric effluent limitations {40 C.F.R. § 122.44(k)}. When application of numeric effluent limitations is technically infeasible, such as in permits governing stormwater discharges, effluent limitations are expressed as BMPs.

In an effort to minimize the potential erosion effects of post-developed run-off from new and redevelopment projects on local creeks, streams, gulches, and water bodies, the RWQCB revised the MSP in October 2001 to require the implementation of a HMP.

Continuous Simulation Hydrologic Models and Analysis of Output Data

Compared to event-based models, continuous simulation hydrologic models, such as with the use of an HEC program, possess a considerable advantage in their ability to verify the effectiveness of a hydromodification flow control facility or overall HMP.

▶ Byron Bethany Irrigation District Corporate Office Buildings

Relevant Work: Stormwater Control Plan and Stormwater Control Operation and Maintenance Plan

Size: 5.0 acres

Location: Byron, California

Description: SEI was retained to provide civil and structural design services for the construction of Byron Bethany Irrigation District's new corporate office buildings in the Town of Byron. SEI's scope of services included the preparation of a Stormwater Control Plan that entailed the design of a two-stage detention basin that provides both stormwater treatment and flood flow protection, in accordance with the Contra Costa Clean Water Program Requirements.

Client: W.E. Lyons Construction Co.

Client Contact: Greg Lyons

Phone Number: (510) 568-4829

▶ Pro SE Services - Greenville Road

Relevant Work: Hydromodification Analysis and Design

Size: 4.2 acres

Location: Livermore, California

Description: SEI performed analyses of pre-developed and post-developed (mitigated) flow datasets using the Bay Area Hydrology Model (BAHM) and designed a stormwater treatment detention basin that incorporates a hydromodification flow control facility.

Client: Pro SE Services

Client Contact: Albert Martinez

Phone Number: (209) 543-1600

▶ Team Power/Cal Moto Building

Relevant Work: Hydromodification Plan and Storm Water Pollution Prevention Plan

Size: 3.8 acres

Location: Livermore, CA

Description: SEI prepared a Hydromodification Plan, which included the design of a flow control facility, and a Storm Water Pollution Prevention Plan for the stormwater run-off from a commercial building site in the City of Livermore.

Client: Hensler Family Trust

Client Contact: Joe Hensler

Phone Number: (916) 381-4000

▶ Christ Community Church of Milpitas – Nurturing Life Building

Relevant Work: Stormwater Control Operation and Maintenance Plan

Size: 0.6 acre

Location: Milpitas, CA

Description: SEI provided civil engineering design services for the construction of an addition to an existing church building, including the preparation of a Stormwater Control Operation and Maintenance Plan that outlined a detailed inspection and maintenance schedule for each BMP.

Client: BCA Architects

Client Contact: Gary Moyer

Phone Number: (510) 353-4111

▶ Bear Creek Plaza

Relevant Work: Stormwater Quality Control Plan

Size: 0.6 acre

Location: Stockton, CA

Description: SEI prepared a Stormwater Quality Control Plan that included comprehensive source control measures for each BMP and the modeling of an existing wet pond as a means of stormwater treatment.

Client: Kessler Building and Development

Client Contact: Scott Kessler

Phone Number: (209) 474-1815

V. STATEMENT OF INTEREST, AVAILABILITY, AND COMMITMENT

SEI is interested in being placed on the "Qualified Consultants List" and is fully available to assist SCVURPPP's Co-permitee agencies with the design and/or review of Storm Water Management Plans, hydromodification flow control facilities, and BMP cost estimates for new and redevelopment projects, as needed.

VI. REFERENCES

Dan Cloak
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Berkeley, CA 94703
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