



THOMAS L. BOLICH
DIRECTOR OF PUBLIC WORKS

County Santa Cruz

0437

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

AGENDA: JUNE 18,2002

June 11,2002

SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street
Santa Cruz, California 95060

SUBJECT: EAST CLIFF DRIVE BLUFF RESTORATION PROJECT
AMENDMENT OF PROFESSIONAL SERVICES AGREEMENT

Members of the Board:

At the Board of Supervisors regular meeting on June 20,2000, your Board approved a professional services agreement with Sanders and Associates Geosstructural Engineering, Inc., (SAGE) to develop complete conceptual plans for a joint County/U.S. Army Corps of Engineers bluff restoration project along East Cliff Drive between 33rd Avenue and 36th Avenue. Through the contract, SAGE developed plans that formed the basis of environmental review and preparation of an Environmental Impact Report/Environmental Impact Statement (EIR/EIS) to address the requirements of the National Environmental Protection Act (NEPA), as well as those of the California Environmental Quality Act (CEQA).

With the draft EIR/EIS now nearing completion and ready for public review, we are entering the next stage of project development for the bluff stabilization project in which preliminary construction documents must be prepared. The approximately \$12,500 of the existing funding that remains will be expended in beginning this stage of project development. Additional consulting services will be required, however, to complete the preparation of preliminary construction documents. A proposal outlining the additional consulting services is attached. Therefore, we are recommending amendment of the professional services agreement with SAGE to adopt the attached revised schedule of charges and to increase the total contract amount by \$73,000, for a total not-to-exceed amount of \$183,500 for preparation of the preliminary construction documents. There are sufficient funds available for the amendment in the Redevelopment Agency's East Cliff Stabilization Fund. A companion letter from the Redevelopment Agency Administrator on today's agenda recommends authorization of the expenditure of the funds required for the contract amendment.

It is therefore recommended that the Board of Supervisors take the following action:

1. Approve the attached amendment to agreement with Sanders and Associates Geostuctural Engineering, Inc., in the amount of \$73,000.
2. Authorize the Director of Public Works to sign the agreement on behalf of the County.

Yours truly,



THOMAS L. BOLICH
Director of Public Works

GG:mg

Attachments

RECOMMENDED FOR APPROVAL:



County Administrative Officer

copy to: Public Works
 Redevelopment Agency
 Sanders and Associates Geostuctural Engineering, Inc.

ESATM.WPD

AMENDMENT TO AGREEMENT

The parties hereto agree to amend Contract Number CO02170, dated June 20, 2000, by and between the COUNTY OF SANTA CRUZ and SANDERS AND ASSOCIATES, GEOSTRUCTURAL ENGINEERING, INC., for engineering services related to proposed improvements along East Cliff Drive between 33rd and 36th Avenues, by including additional consulting services in the preparation of preliminary design documents for the proposed improvements, adopting the attached revised Schedule of Charges, and increasing total contract amount to \$183,500.00.

All other provisions of said contract shall remain the same.

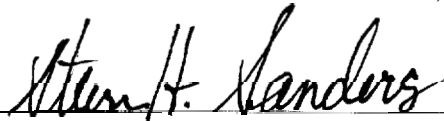
DATED: _____

COUNTY OF SANTA CRUZ

DIRECTOR OF PUBLIC WORKS

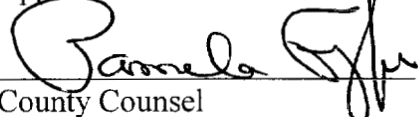
CONTRACTOR:

SANDERS AND ASSOCIATES,
GEOSTRUCTURAL ENGINEERING, INC.

BY: 

ADDRESS: 4180 Douglas Blvd., Suite 100
Granite Bay, CA 95746
TELEPHONE: (916) 729-8050

Approved as to form:


County Counsel

Attachments: Proposal for Development of Preliminary Plans and Specifications
Schedule of Charges

DISTRIBUTION: Auditor-Controller
Public Works
Contractor



SANDERS & ASSOCIATES GEOSTRUCTURAL ENGINEERING, INC.

4180 Douglas Blvd., Suite 100 • Granite Bay, CA 95746 • (916) 729-8050 • Fax: (916) 729-7706

June 3, 2002

Proposal No. SE99-033.4

Mr. Glenn Goepfert
County of Santa Cruz Department of Public Works
701 Ocean Street, Room 414
Santa Cruz, CA 95060

Re: Proposal for Development of Preliminary Plans and Specifications for
Soil Nail Stabilization of Bluffs
East Cliff Drive Coastal Bluff Stabilization Project
Santa Cruz, California

Dear Mr. Goepfert:

Pursuant to our correspondence with you and the staff of the County of Santa Cruz Redevelopment Agency regarding the East Cliff Drive Coastal Bluff Stabilization Project, we have prepared this proposal for the preparation of Preliminary Design Documents relating to construction of a soil nail stabilization system for bluff stabilization, undercut repair, and beach cleanup and stairway access to the beach. Our intent is that these documents would consist of plans and specifications completed to about the 65% design level or better. Much will depend on the requirements of the Army Corps of Engineers (COE). Our proposed Scope of Work and associated engineering fee estimates for the foregoing are presented below:

<u>ITEM</u>	<u>SERVICE</u>	<u>ESTIMATED</u>
		<u>FEE</u>
4.1 Civil Design and Layout	Confirm layout of wall including location of top and bottom of wall, location and configuration of stairways, locations of MSE walls; locations of build-outs, determination of where Purisima fingers can be protected on a case by case basis, and determination of how to address cave features on a case by case basis. Locate construction laydown areas and identify construction traffic routes. Coordinate design with existing surface drainage outlets.	\$10,000 T&E

4.2 Structural Design of soil nail wall stabilization system (upper bluff and sea wall).	Structural stability analyses; construction details of soil nail layout, length, and size; facing thickness and reinforcement; drainage details; extents of, and reinforcement for, keyway or a <u>iron</u> . <u>INCLUDES END WALL DETAILS & TREATMENTS</u>	\$8,000 T&E
4.3 Corrosion study <u>AND SHOTCRETE DURABILITY</u>	Identification of corrosion issues and documentation of the applicability of shotcrete in a Marine environment	\$5,000 T&E
4.4 Design of mechanically stabilized earth (MSE) build-outs at two locations.	Structural stability analyses; construction details of wire baskets or facing units, facing thickness and reinforcement; geogrid type, length, and placement; drainage details.	\$6,000 T&E
4.5 Design of undercut repair/protection structures	Construction details of anchorage size: length, and attachments; facing thickness and reinforcement; drainage details.	\$5,000 T&E
4.6 Structural design of stairways and railings	Structural design; construction details of typical dimensions, reinforcement, and finishing; handrail construction and attachment details, locations and layouts;	\$6,000 T&E
4.7 Beach cleanup issues	Look at methods of incorporating rip-rap debris into wall structure or complete removal from beach.	\$3,000 T&E
4.8 Construction specifications	Develop construction specifications for equipment, materials, construction sequence, construction methodology, and testing. Evaluate construction sequencing and with respect to tides and equipment on the beach *	\$10,000 T&E
4.9 Meetings and Site Visits	Attend meetings as required. Assume 5 Site Visits	\$10,000 T&E
4.10 Coordination	Coordinate the design with the County and Corp. of Engineers	\$10,000 T&E
Est. Total:		\$73,000

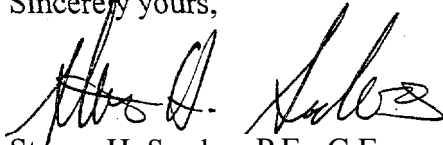
* WILL INCLUDE RESEARCH OF ALTERNATIVES TO DIESEL-OR GAS-POWERED MACHINERY OR EQUIPMENT ON THE BEACH AREA BELOW THE BLUFFS.

County of Santa Cruz Department of Public Works
 Mr. Glenn Goepfert
 06/03/02
 Page 3 of 3

All work will be billed on a time-and-expenses basis in accordance with our Schedule of Charges attached. Should additional services be requested which exceed the Scope of Work above, or should significant changes be required due to reasons beyond the control of **SANDERS & ASSOCIATES GEOSTRUCTURAL ENGINEERING, INC. (SAGE)**, the time required for these items will be billed in accordance with our Schedule of Charges.

We appreciate the opportunity to continue providing engineering services for this project and look forward to seeing it through to completion.

Sincerely yours,



Steven H. Sander: P.E., G.E.
 Principal

SHS:wlm

Attachments: Schedule of Charges

NC.	ROUTE DATA	COPY	ATT.
1	DIRECTOR	✓	
	ASST. DIR. SPEC. SVCS.		
	SOLID WASTE ENG.		
	LANDFILL OPERATIONS		
	PAJARO COORD.		
	DRAINAGE ENG.		
	DRAINAGE OPERATIONS		
	CONSTRUCT. ENG.		
	SANITATION ENG.		
	WATER & WASTEWATER		
2	ASST. DIR. TRANSPORT	✓	
	ROAD OPS. ENG.		
	PERMITS/ENCROACH.		
	RD. MAINT. OPERATIONS		
3	RDA ENG.	✓	✓
	ROAD DESIGN ENG.		
	SURVEY/DEVELOPMT.		
	TRANSP/RD. PLANNING		
4	DIR. OF ADMIN. SERVICES	✓	✓
44	REAL PROPERTY/FLEET		
	CSA/PRGM ADMIN.		
	SAFETY OFFICER/LIVE OAK P.		

SANDERS & ASSOCIATES GEOSTRUCTURAL ENGINEERING, INC.

SCHEDULE OF CHARGES
County of Santa Cruz June 3, 2002

The Schedule of Charges applies to all **services** provided by and/or through **SANDERS & ASSOCIATES GEOSTRUCTURAL ENGINEERING, INC. (SAGE)**. **Charges** for our **services** are divided into three categories: Personnel, Travel/Reimbursables and Outside Services. **A new Schedule of Charges is issued at the beginning of each year.** The Schedule of Charges **may also** be revised **during** the year, as conditions require. Changes will not be made within **a** calendar **year** on a **project** in progress without prior authorization from Client.

PERSONNEL:

Personnel charges are for technical **work**, including technical typing, editing, graphics and **support services** involved in **the preparation** of reports **and** correspondence, and for the time associated with production of such documents. Personnel category charge rates **are as follows:**

Personnel Category	Hourly Rate
Principal Engineer	\$ 145.00
Senior Engineer	125.00
Project Engineer	105.00
Staff Engineer	90.00
CADD	80.00
Support Services	65.00

The **charge** for expert **witness services**, depositions (4-hour minimum) and court (8-hour minimum) **is \$250 per hour.**

TRAVEL / REIMBURSABLES:

Time spent in travel in the interest **of** the Client **will be** charged at **the** above **hourly** rates plus \$.53/mile, except that **no more** than eight (8) **hours of** travel time **will be** charged in **any** day. When it is necessary for **an** employee to **be away** from **the office** overnight, **all** actual costs including out-of-pocket expenses will be charged. Meals **will be charged on** a per diem basis at **\$45.00**. **Reimbursable** items (**e.g.**, airfare, hotel, automobile rental, **equipment** rental, supplies etc.) will **be** charged at cost plus **fifteen** percent (15%).

OUTSIDE SERVICES:

Outside services **will be** charged at cost **plus** fifteen percent (15%). **Common** outside items to **which** this 1.15 multiplier applies include, but are not limited to drilling **services**, laboratory testing, **printing** and photographic work, special insurance and **outside** consultants.

COUNTY OF SANTA CRUZ
REQUEST FOR APPROVAL OF AGREEMENT

FISCAL YEAR 2001/2002
0444

To: Board of supervisors
County Administrative Office
Auditor Controller

FROM: PUBLIC WORKS (Department)
BY: [Signature] (Signature) 6-9-02 (Date)
Signature certifies that appropriations/revenues are available

AGREEMENT TYPE (Check One)

Expenditure Agreement ☐

Revenue Agreement ☐

The Board of Supervisors is hereby requested to approve the attached agreement and authorize the execution of same.

COUNTY OF SANTA CRUZ

1. Said agreement is between the SANDERS AND ASSOCIATES GEOSTRUCTURAL ENGINEERING, INC. (Department/Agency)
and 4180 DOUGLAS BOULEVARD, SUITE 100, GRANITE BAY, CA 95746 (Name/Address)

2. The agreement will provide FOR ENGINEERING SERVICES RELATED TO PROPOSED IMPROVEMENTS ALONG EAST

CLIFF DRIVE BETWEEN 33RD AND 36TH AVENUES

3. Period of the agreement is from BOARD APPROVAL to JUNE 30, 2002
INCREASE

4. Anticipated cost is \$73,000 ☐ Fixed ☐ Monthly Rate ☐ Annual Rate ☐ Not to Exceed

Remarks: CONTRACT \$183,500; OVERHEAD (\$7,735 PLUS \$5,110) \$12,845; TOTAL \$196,345

5. Detail: ☐ On Continuing Agreements List for FY - Page CC- Contract No: OR ☐ 1st Time Agreement
☐ Section II No Board letter required, will be listed under Item 8
☒ Section III Board letter required
☐ Section IV Revenue Agreement

6. Appropriations/Revenues are available and are budgeted in 611143! 66034! 3665! (Index) 9842 (Sub object)

NOTE: IF APPROPRIATIONS ARE INSUFFICIENT, ATTACHED COMPLETED AUD-74 OR AUD-60

Appropriations are available and have been encumbered.
are not will be

Contract No: 12170
By: [Signature] Date: 6/10/02
Auditor-Controller Deputy

CC-19, I not III

Proposal and accounting detail reviewed and approved. It is recommended that the Board of Supervisors approve the agreement and authorize

DIRECTOR OF PUBLIC WORKS (Dept/Agency Head) to execute on behalf of the PUBLIC WORKS DEPARTMENT

(Department/Agency)

Date: 6/11/02

By: [Signature]
County Administrative Office

Distribution:

Board of Supervisors - White
Auditor Controller - Canary
Auditor-Controller - Pink
Department - Gold

State of California
County of Santa Cruz

ex-officio Clerk of the Board of Supervisors of the County of Santa Cruz,
State of California, do hereby certify that the foregoing request for approval of agreement was ap-
proved by said Board of Supervisors as recommended by the County Administrative Office by an
order duly entered in the minutes of said Board on 20__

GG:mg

ADM - 29 (8/01)
Title Section 300 Proc Man

By: Deputy Clerk

AUDITOR/CONTROLLER USE ONLY

CO \$ Document No. JE Amount Lines H/TL Keyed By Date

TC110 \$ Auditor Description Amount Index Sub object User Code

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