



THOMAS L. BOLICH
DIRECTOR OF PUBLIC WORKS

County of Santa Cruz

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: JANUARY 8, 2002

December 26, 2001

SANTA CRUZ COUNTY BOARD OF SUPERVISORS

701 Ocean Street
Santa Cruz, California 95060

SUBJECT: SALISPUEDES CREEK LEVEE STABILIZATION PROJECT
GEOTECHNICAL SERVICES CONTRACT

Members of the Board:

On August 3, 1999, your Board executed and authorized by Resolution No. 349-99 a contract with the Department of Housing and Community Development (HCD) for a State Disaster Recovery Initiative (DRI) Grant Agreement. This grant provides \$555,440 in funding for a repair project along the Salsipuedes Creek levee. The proposed project consists of installing approximately 700 linear feet of sheet piles into the existing western Salsipuedes Creek levee, downstream of State Highway 129 crossing, to eliminate a series of seeps and re-establish the levee integrity. The Department of Public Works is acting as the grantee for this project and is providing the design plans, inspection services, and portions of the required engineering.

The project requires deep soils exploration and sample testing, which are services that cannot be provided by the Public Works Department. Additionally, the professional skills of a licensed geotechnical engineer will be needed for seepage analysis. There are presently no geotechnical engineers on the Public Works staff, and it is the intent of the Public Works Department to hire a firm to provide these needed services and design recommendations. Attached is an independent contractor agreement in the amount of \$33,969 with Haro, Kasunich & Associates to provide geotechnical services for the Salsipuedes levee project. Sufficient funds can be made available from the Pajaro Storm Drain Maintenance district contingencies to cover this contract.

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

1. Approve the attached AUD 74 transferring \$36,347 from contingencies for this contract.

2. Approve the attached independent contractor agreement with Haro, Kasunich & Associates in the amount not to exceed \$33,969.
3. Authorize the Director of Public Works to sign the agreement on behalf of the County.

Yours truly,

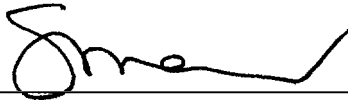


THOMAS L. BOLICH
Director of Public Works

DWS:mg

Attachments

RECOMMENDED FOR APPROVAL:



County Administrative Officer

copy to: Public Works

0374 0373

COUNTY OF SANTA CRUZ
REQUEST FOR TRANSFER OR REVISION
OF BUDGET APPROPRIATIONS AND/OR FUNDS

Department: PUBLIC WORKS

Date: JANUARY 8, 2002

TO: Board of Supervisors / County Administrative Officer / District Board

I hereby request your approval of the following transfer of budget appropriations and/or funds in the fiscal year ending June 30, ~~19~~ 2002

AUDITORS USE ONLY			
DOCUMENT #	AMOUNT	L/N	T/C HASH
JE 5			

BATCH #	
DATE	Keyed By:

	T/C	INDEX	SUBJECT	USER CODE	AMOUNT	ACCOUNT DESCRIPTION *
T R A N S F E R	0,2,1	6,2,2,2,4,5	6,6,1,0		3,63,4,7,0,0	STRUCTURES AND IMPORT
F R O M	0,2,2	6,2,2,2,4,5	9,6,9,5		3,63,4,7,0,0	CONTINGENCIES ✓

Explanation: TO MOVE FUNDS FROM W/A #24899, CONTINGENCIES TO W/A #24837, CDBG PAJARO/SALSI LEVEE STABILIZATION TO MAKE FUNDS AVAILABLE TO FUND CONTRACT WITH HARO, KASUNICH AND ASSOCIATES.

Name *Carol D. Kelly*
CAROL D. KELLY

Title ASSISTANT DIRECTOR OF
ADMINISTRATION SERVICES

Auditor-Controller's Action: I hereby certify that unencumbered balance(s) is/are available in the appropriations/funds and in the amounts indicated above.

Auditor-Controller, by *Adam J. Vela*, Deputy Date 1, 2, 02

County Administrative Officer's Action: | | Recommended to Board | | Approved | | Not Recommended or Approved

County Administrative Officer _____ Date _____

State of California } As the Clerk of the Board of Supervisors of the County of Santa Cruz, I do hereby certify that the foregoing request for
ss. transfer was approved by said Board of Supervisors as recommended by the County Administrative Officer by an order
County of Santa Cruz } duly entered in the minutes of said Board on

_____, 19____, By _____, Deputy Clerk

DWS:abc

(A)* Desc: _____ # _____ - Budget Transfer

Distribution:

White-Board of Supervisors
Yellow-Auditor-Controller

BRD. NAME

AGENDA DATE

ITEM NO.

Green-County Administrative Officer
Pink-Originating Department

Goldenrod-Departmental Control Copy

A-C Review
040

AUD7 (REV 12/94)

INDEPENDENT CONTRACTOR AGREEMENT

THIS CONTRACT is entered into this 8TH day of JANUARY, 2002, by and between the COUNTY OF SANTA CRUZ, hereinafter called COUNTY, and HARO, KASUNICH & ASSOCIATES hereinafter called CONTRACTOR. The parties agree as follows:

1. DUTIES. CONTRACTOR agrees to accomplish the following result: TO PROVIDE SEEPAGE ANALYSIS **AND** DESIGN RECOMMENDATIONS, SOIL INVESTIGATIONS, SAMPLING AND TESTING.

2. STANDARDS OF PERFORMANCE. The standard of care for all professional engineering and related services performed or furnished by CONTRACTOR under this Agreement will be the care and skill ordinarily used by members of CONTRACTOR'S profession practicing under similar circumstances at the same time and in the same locality. CONTRACTOR makes no warranties, express or implied, under this Agreement or otherwise, in connection with CONTRACTOR'S services. Interpretations and recommendations by CONTRACTOR will be based solely on information available to or developed by CONTRACTOR. COUNTY recognizes that subsurface conditions may vary from those observed at specific locations where borings, surveys, or other site explorations are made, and that site conditions may change with time.

3. COMPENSATION. In consideration for CONTRACTOR accomplishing said result, COUNTY agrees to pay CONTRACTOR as follows: PROGRESS PAYMENTS NOT TO EXCEED \$33,969 **IN** A MANNER DESCRIBED IN SCOPE OF WORK

4. TERM. The term of this contract shall be: FROM BOARD APPROVAL TO JUNE 30, 2002.

5. EARLY TERMINATION. Either party hereto may terminate this contract at any time by giving 30 days written notice to the other party.

6. INDEMNIFICATION FOR DAMAGES, TAXES AND CONTRIBUTIONS. CONTRACTOR shall exonerate, indemnify, defend, and hold harmless COUNTY (which for the purpose of paragraphs 5 and 6 shall include, without limitation, its officers, agents, employees and volunteers) from and against:

A. To the fullest extent permitted by law, CONTRACTOR shall indemnify and hold harmless COUNTY. COUNTY'S officers, directors, partners, and employees from and against any and all costs, losses, and damages caused solely by the negligent acts or omission of CONTRACTOR'S or CONTRACTOR'S officers, directors, partners, employees, and CONTRACTOR'S consultants in the performance and furnishing of CONTRACTOR'S services under this Agreement.

B. To the fullest extent permitted by law, COUNTY shall indemnify and hold harmless CONTRACTOR, CONTRACTOR'S officers, directors, partners, employees, and CONTRACTOR'S Consultants from and against any and all costs, losses and damages

caused solely by the negligent acts or omission of COUNTY or COUNTY'S officers, directors, partners, employees, and COUNTY'S consultants with respect to this Agreement or the Project.

C. TO the fullest extent permitted by law, CONTRACTOR'S total liability to COUNTY and anyone claiming by, through, or under COUNTY for all costs, losses, or damages caused in part by the negligence of CONTRACTOR and in part by the negligence of COUNTY or any other negligent entity or individual, shall not exceed the percentage share that CONTRACTOR'S negligence bears to the total negligence of COUNTY, CONTRACTOR and all other negligent entities and individuals.

D. Any and all Federal, State and Local taxes, charges, fees, or contributions required to be paid with respect to CONTRACTOR and CONTRACTOR'S officers, employees and agents engaged in the performance of this Agreement (including, without limitation, unemployment insurance, social security and payroll tax withholding).

7. INSURANCE. CONTRACTOR, at its sole cost and expense, for the full term of this Agreement (and any extensions thereof), shall obtain and maintain at a minimum compliance with all of the following insurance coverage(s) and requirements. Such insurance coverage shall be primary coverage as respects COUNTY and any insurance or self-insurance maintained by County shall be excess of CONTRACTOR'S insurance coverage and shall not contribute to it.

If CONTRACTOR utilizes one or more subcontractors in the performance of this Agreement, CONTRACTOR shall obtain and maintain Independent Contractor's Insurance as to each subcontractor or otherwise provide evidence of insurance coverage for each subcontractor equivalent to that required of CONTRACTOR in this Agreement, unless CONTRACTOR and COUNTY both initial here ____/____.

A. Types of Insurance and Minimum Limits

(1) Worker's Compensation in the minimum statutorily required coverage amounts. This insurance coverage shall not be required if the CONTRACTOR has no employees and certifies to this fact by initialing here ____.

(2) Automobile Liability Insurance for each of CONTRACTOR's vehicles used in the performance of this Agreement, including owned, non-owned (e.g. owned by CONTRACTOR's employees), leased or hired vehicles, in the minimum amount of \$500,000 combined single limit per occurrence for bodily injury and property damage. This insurance coverage shall not be required if vehicle use by CONTRACTOR is not a material part of performance of this Agreement and CONTRACTOR and COUNTY both certify to this fact by initialing here ____/____.

(3) Comprehensive or Commercial General Liability Insurance coverage in the minimum amount of \$1,000,000 combined single limit, including coverage for: (a) bodily injury, (b) personal injury, (c) broad-form property damage, (d) contractual liability, and (e) cross-liability.

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(4) Professional Liability Insurance in the minimum amount of \$1,000,000.00 combined single limit, if, and only if, this Subparagraph is initialed by CONTRACTOR and COUNTY P.C.R..

B. Other Insurance Provisions

(1) If any insurance coverage required in this Agreement is provided on a "Claims Made" rather than "Occurrence" form, CONTRACTOR agrees to maintain the required coverage for a period of three (3) years after the expiration of this Agreement (hereinafter "post agreement coverage") and any extensions thereof. CONTRACTOR may maintain the required post agreement coverage by renewal or purchase of prior acts or tail coverage. This provision is contingent upon post agreement coverage being both available and reasonably affordable in relation to the coverage provided during the term of this Agreement. For purposes of interpreting this requirement, a cost not exceeding 100% of the last annual policy premium during the term of this Agreement in order to purchase prior acts or tail coverage for post agreement coverage shall be deemed to be reasonable.

(2) All required Automobile and Comprehensive or Commercial General Liability Insurance shall be endorsed to contain the following clause:

"The County of Santa Cruz, its officials, employees, agents and volunteers are added as an additional insured as respects the operations and activities of, or on behalf of, the named insured performed under Agreement with the County of Santa Cruz."

(3) All required auto and commercial insurance policies shall be endorsed to contain the following clause:

"This insurance shall not be canceled until after thirty (30) days prior written notice has been given to:

PETER COTA-ROBLES
COUNTY OF SANTA CRUZ
DEPARTMENT OF PUBLIC WORKS
701 OCEAN STREET, ROOM 410
SANTA CRUZ, CA 95060"

(4) CONTRACTOR agrees to provide its insurance broker(s) with a full copy of these insurance provisions and provide COUNTY on or before the effective date of this Agreement with Certificates of Insurance for all required coverages. All Certificates of Insurance shall be delivered or sent to:

PETER COTA-ROBLES
COUNTY OF SANTA CRUZ
DEPARTMENT OF PUBLIC WORKS
701 OCEAN STREET, ROOM 410
SANTA CRUZ, CA 95060

8. EQUAL EMPLOYMENT OPPORTUNITY. During and in relation to the performance of this Agreement, CONTRACTOR agrees as follows:

A. The CONTRACTOR shall not discriminate against any employee or applicant for employment because of race, color, religion, national origin, ancestry, physical or mental disability, medical condition (cancer related), marital status, pregnancy, sex, sexual orientation, age (over 18), veteran status or any other non-merit factor unrelated to job duties. Such action shall include, but not be limited to the following: recruitment; advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training (including apprenticeship), employment, upgrading, demotion, transfer. The CONTRACTOR agrees to post in conspicuous places, available to employees and applicants for employment, notice setting forth the provisions of this non-discrimination clause.

B. If this Agreement provides compensation in excess of \$50,000 to CONTRACTOR and if CONTRACTOR employs fifteen (15) or more employees, the following requirements shall apply:

(1) The CONTRACTOR shall, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, ancestry, physical or mental disability, medical condition (cancer related), marital status, pregnancy, sex, sexual orientation, age (over 18), veteran status, or any other non-merit factor unrelated to job duties. In addition, the CONTRACTOR shall make a good faith effort to consider Minority/Women/Disabled Owned Business Enterprises in CONTRACTOR's solicitation of goods and services. Definitions for Minority/Women/Disabled Business Enterprises are available from the COUNTY General Services Purchasing Division.

(2) The CONTRACTOR shall furnish COUNTY Equal Employment Opportunity Office information and reports in the prescribed reporting format (PER 40 12) identifying the sex, race, physical or mental disability and job classification of its employees and the names, dates and methods of advertisement and direct solicitation efforts made to subcontract with Minority/Women/Disabled Business Enterprises.

(3) In the event of the CONTRACTOR'S non-compliance with the non-discrimination clauses of this Agreement or with any of the said rules, regulations, or orders said CONTRACTOR may be declared ineligible for further agreements with the COUNTY.

(4) The CONTRACTOR shall cause the foregoing provisions of this Subparagraph 7B. to be inserted in all subcontracts for any work covered under this Agreement by a subcontractor compensated more than \$50,000 and employing more than fifteen (15) employees, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

9. INDEPENDENT CONTRACTOR STATUS. CONTRACTOR and COUNTY have reviewed and considered the principal test and secondary factors below and agree that CONTRACTOR is an independent contractor and not an employee of COUNTY. CONTRACTOR is responsible for all insurance (workers compensation, unemployment, etc.) and all payroll related taxes. CONTRACTOR is not entitled to any employee benefits. COUNTY agrees that CONTRACTOR shall have the right to control the manner and means of accomplishing the result contracted for herein.

PRINCIPAL TEST: The CONTRACTOR rather than COUNTY has the right to control the manner and means of accomplishing the result contracted for.

SECONDARY FACTORS: (a) The extent of control which, by agreement, COUNTY may exercise over the details of the work is slight rather than substantial; (b) CONTRACTOR is engaged in a distinct occupation or business; (c) In the locality, the work to be done by CONTRACTOR is usually done by a specialist without supervision, rather than under the direction of an employer; (d) the skill required in the particular occupation is substantial rather than slight; (e) The CONTRACTOR rather than the COUNTY supplies the instrumentalities, tools and work place; (f) The length of time for which CONTRACTOR is engaged is of limited duration rather than indefinite; (g) The method of payment of CONTRACTOR is by the job rather than by the time; (h) The work is part of a special or permissive activity, program, or project, rather than part of the regular business of COUNTY; (i) CONTRACTOR and COUNTY believe they are creating an independent contractor relationship rather than an employer-employee relationship; and (j) The COUNTY conducts public business.

It is recognized that it is not necessary that all secondary factors support creation of an independent contractor relationship, but rather that overall there are significant secondary factors which indicate that CONTRACTOR is an independent contractor.

By their signatures to this Agreement, each of the undersigned certifies that it is his or her considered judgment that the CONTRACTOR engaged under this Agreement is in fact an independent contractor.

10. CONTRACTOR represents that its operations are in compliance with applicable County planning, environmental and other laws or regulations.

11. CONTRACTOR is responsible to pay prevailing wages and maintain records as required by Labor Code Section 1770 and following.

12. NONASSIGNMENT. CONTRACTOR shall not assign this agreement without the prior written consent of the COUNTY.

13. RETENTION AND AUDIT OF RECORDS. CONTRACTOR shall retain records pertinent to this Agreement for a period of not less than five (5) years after final payment under this Agreement or until a final audit report is accepted by COUNTY, whichever occurs first. CONTRACTOR hereby agrees to be subject to the examination and audit by the Santa Cruz County Auditor-Controller, the Auditor General of the State of California, or the designee of either for a period of five (5) years after final payment under this Agreement.

~~0380~~

14. PRESENTATION OF CLAIMS. Presentation and processing of any or all claims arising out of or related to this Agreement shall be made in accordance with the provisions contained in Chapter 1.05 of the Santa Cruz County Code, which by this reference is incorporated herein.

15. ACKNOWLEDGMENT. CONTRACTOR shall acknowledge in all reports and literature that the Santa Cruz County Board of Supervisors has provided funding to the CONTRACTOR.

16. ATTACHMENTS. This Agreement includes the following attachments: ATTACHMENT "A" HARO & KASUNICH PROPOSED SCOPE OF WORK FOR GEOTECHNICAL SERVICES, SALSIPUEDES CREEK LEVEE REHABILITATION PROJECT LETTER DATED REVISED DECEMBER 20, 2001, AND ATTACHMENT "B" REQUEST FOR GEOTECHNICAL SERVICES FOR THE SALSIPUEDES CREEK LEVEE REHABILITATION PROJECT DATED SEPTEMBER 17, 2001.

IN WITNESS WHEREOF, the parties hereto have set their hands the day and year first above written.

COUNTY OF SANTA CRUZ

CONTRACTOR
HARO KASUNICH & ASSOCIATES

By: _____
Director of Public Works

By: _____

Address: 116 EAST LAKE AVENUE
WATSONVILLE, CA 95076

APPROVED AS TO FORM:

Telephone: (831) 722-4175
FAX: (831) 722-3202
E-MAIL hkageo@aol.com

By: _____
Chief Assistant County Counsel

DWS:mg

DISTRIBUTION: Auditor-Controller
Contractor
Public Works

ACORD CERTIFICATE OF LIABILITY INSURANCE

0380

DATE (MM/DD/YY)
05/30/2000

PRODUCER (831)724-1085
KBK Insurance Agency
 1006 Freedom Boulevard
 O. Box 310
 Watsonville, CA 95077

FAX (831)724-1089

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION
 ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE
 HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR
 ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

INSURED **Haro-Kasunich And Associate Inc.**
 116 East Lake Ave
 Watsonville, CA 95076

INSURER A: **ALLIED INSURANCE GROUP**INSURER B: **STATE FUND**INSURER C: **Zurich**

INSURER D:

INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY				EACH OCCURRENCE \$
	☐ COMMERCIAL GENERAL LIABILITY				FIRE DAMAGE (Any one fire) \$
	☐ CLAIMS MADE ☐ OCCUR				MED EXP (Any one person) \$
					PERSONAL & ADV INJURY \$
					GENERAL AGGREGATE \$
	GEN'L AGGREGATE LIMIT APPLIES PER				PRODUCTS - COMP/OP AGG \$
	☐ POLICY ☐ PROJ. ☐ LOC				
A	AUTOMOBILE LIABILITY	CP780607760	04/25/2001	04/25/2002	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	☒ ANY AUTO				BODILY INJURY (Per person) \$
	☒ ALL OWNED AUTOS				BODILY INJURY (Per accident) \$
	☐ SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident) \$
	☒ HIRED AUTOS				
	☐ NON-OWNED AUTOS				
	GAFFAGE LIABILITY				AUTO ONLY - EA ACCIDENT \$
	☐ ANY AUTO				OTHER THAN EA ACC \$
					AUTO ONLY AGG \$
	EXCESS LIABILITY				EACH OCCURRENCE \$
	☐ OCCUR ☐ CLAIMS MADE				AGGREGATE \$
					\$
	☐ DEDUCTIBLE				\$
	☐ RETENTION \$				\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	,58242700	05/07/2001	05/07/2002	☒ WC STATUTORY LIMITS ☐ OTHER
					E.L. EACH ACCIDENT \$ 1,000,000
					E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
					E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	OTHER Professional	RU960975	04/12/2001	04/12/2002	\$1,000,000 Annual Aggregate \$500,000 per claim

DESCRIPTION OF OPERATIONS/LOCATIONS/VICINARIES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

All Operations Within the Limitations of This policy

Certificate Holder named as Additional Named Insured

CERTIFICATE HOLDER

ADDITIONAL INSURED; INSURER LETTER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

COUNTY OF SANTA CRUZ PUBLIC WORKS DEPARTMENT
 701 OCEAN STREET, ROOM #410
 SANTA CRUZ, CA 95060



SINCE 1908

INSURANCE

1006 Freedom Blvd. • P.O. BOX 310
Watsonville, CA 95077
PHONE (631) 724-1085
FAX (831) 724-1063

OF LIABILITY INSURANCE 0382

DATE (MM/DD/YY)
02/01/2001

THIS CERTIFICATE ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE 0381

INSURED
Haro Kasunich & Associates Inc
c/o KBK P O Box 310
Watsonville, CA 95077

INSURER A: Lumbermens Mutual Casualty Co.

INSURER B:

INSURER C:

INSURER D:

INSURER E:

COPY

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSURER	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	☐ GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR GEN. AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PROJECT ☐ LOC	7RD66044401	02/18/01	02/18/02	EACH OCCURRENCE \$1,000,000 FIRE DAMAGE (Any one fire) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS-COMP/OP AGG \$2,000,000
	☐ AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY per person \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE per accident)
	☐ GARAGE LIABILITY ☐ ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA \$
	☐ EXCESS LIABILITY ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				WC STATUS ☐ OTHER ☐ CL. EACH ACCIDENT \$ E.L. DISEASE-EA EMPLOYEE \$ E.L. DISEASE-POLICY LIMIT \$
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

County of Santa Cruz, its officers, agents and employees are additional insureds for General Liability per CG2010 attached.

CERTIFICATE HOLDER

ADDITIONAL INSURED; INSURER LETTER:

CANCELLATION

County of Santa Cruz
Public Works Department
700 Ocean Street #410
Santa Cruz, CA 95060

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES

AUTHORIZED REPRESENTATIVE

Shardell C. C...

040

14 November 2001
Revised 20 December 2001
Proposal P01-248



DUPLICATE

MR. BRIAN TURPEN
County of Santa Cruz
Department of Public Works
701 Ocean Street Room 410
Santa Cruz, California 95060

Subject: **PROPOSED SCOPE OF WORK FOR GEOTECHNICAL SERVICES**
Salsipuedes Creek Levee Rehabilitation Project
Santa Cruz County, California

Dear Mr. Turpen:

Haro, Kasunich & Associates is pleased to resubmit this proposal for the Salsipuedes Creek Levee Rehabilitation Project. Discussions with Mr. Peter Cota-Robles and Mr. David Sims indicate now (as before) the primary focus of the study is analysis of the levee seepage patterns, evaluation of the potential failure under existing conditions and evaluation of the levee, post-construction of a seepage cut-off wall. The objective to evaluate embankment stability on a detailed basis has been scaled back (per your instructions) to a general analysis considering the post construction condition. As discussed, your objective is to enhance the relative stability of the outboard side of the levee in cutting off lateral seepage during periods of maximum flow in the creek. It is understood the soil conditions within the inboard side of the levee would not be altered and therefore remain subject to the same potential consequences as now exist (i.e. piping failure, embankment slipout, erosion, etc.) due to undefined miscellaneous man-made or natural imperfections including gopher holes, rotted roots, rotted wood, etc.

The proposed scope of work and associated fee estimate as described herein was developed through a review of the following documents, provided by your office:

- Letter of 17 September 2001
- Plan/Profile Sheet of Salsipuedes West Levee
- Discussions with Mr. Cota-Robles and Mr. Sims revising the goals and redefining the objectives of the geotechnical study.

This proposal redefines specific tasks requested to be performed as part of the geotechnical study. Requests by your designers, other consultants, and/or other responsible parties for additional information would result in modifications to our proposed scope of work.

We propose to utilize senior and staff engineers who have experience in quantitative slope stability issues and landslide repair to perform the proposed geotechnical study. Joseph Haro, Principal Engineer, and Elizabeth Mitchell, Senior Engineer, will manage the project and be responsible for the work performed. Mr. Haro and Mrs. Mitchell will be assisted by Greg Bloom

Mr. Brian Turpen
POI-248
Salsipuedes Creek Levee Rehabilitation Project
14 November 2001
Revised 20 December 2001
Page 2

in the field exploration activities and engineering analysis. Resumes of the key project team members are enclosed.

Haro, Kasunich and Associates is committed to completing our work expeditiously in order to meet the project schedule. Efforts have been made to ensure that our staff members who will be involved with this project are ready to start work upon authorization to proceed. We will make available additional experienced staff, if needed, to assist the project team in completing our work to meet the needs of the project schedule.

The letter by David Sims provides a timeline that requires the work to be completed as follows:

- Commencement upon Board approval (8 January 2002)
- Preliminary soil boring profiles ASAP to expedite C.O.E. review
- Draft report deadline of **31** January 2002
- Final report deadline of **15** February 2002

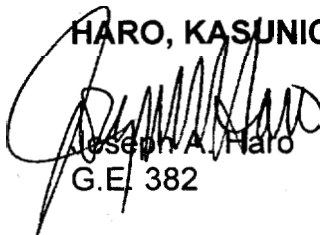
Enclosed are Exhibits A through E, which outline the following:

EXHIBIT A - Proposed Scope of Work
EXHIBIT B - Standard Fee Schedule
EXHIBIT C - Additional, Excluded and Client-Furnished Services
EXHIBIT D - Relevant Projects Information
EXHIBIT E - Resume's For Haro, Kasunich & Associates Project Members
EXHIBIT F - Terms For Geotechnical Engineering Services
EXHIBIT G - Authorization To Proceed With Geotechnical Engineering Services

We look forward to working with you on this interesting and challenging project. If you have any questions, please call our office.

Very truly yours,

HARO, KASUNICH AND ASSOCIATES, INC.



Joseph A. Haro
G.E. 382

JAH/dk

Copies: 4 to Addressee

EXHIBIT A
Proposed Scope of Work For Geotechnical Services
Salsipuedes Creek Levee Rehabilitation Project

PROJECT DESCRIPTION

The project site is located on the west side of Salsipuedes Creek, just south of the Riverside Road Bridge an approximate 700 lineal foot section of levee in Watsonville, California. The site is comprised of a moderately steep embankment levee that was constructed as part of the flood plain project of the Pajaro River. The existing embankment is about 20 feet in height and slopes at a gradient of approximately 2.5 to 1 (horizontal to vertical), although some portions of the slope appear steeper.

We understand, the existing embankment over the years has experienced piping type failures, during periods of maximum flow in the creek. These failures have significantly impacted the levee but not caused it to be breached. Historical grading in this area, has occurred mostly as a result of emergency repair due to bank sloughing.

The purpose of our study will be to quantitatively evaluate shallow slipout potential for the outboard side of the levee embankment. Based on the results of our analysis, we are to develop geotechnical-related recommendations for maintaining short and long-term stability of the outboard side of the embankment, and to discuss the consequences of each option.

SCOPE OF WORK

Task 1.

Preliminary Administration and Design-Team Meeting

Haro, Kasunich & Associates will meet with relevant design team members to review the project mission and objectives as outlined herein. We will develop a general understanding of the project philosophy and our integration into the design team. This has been completed by the field and office meetings to date.

Task 2.

Literature Review And Research

We will perform a general review of available literature and maps germane to the area to help interpret geotechnical conditions that will be encountered at the project site. This information, as appropriate, will be used in developing geotechnical design parameters. Available in-house preliminary and design-level geotechnical reports from the immediate vicinity of the project site will also aid in the planning of the field exploration and in the regional geotechnical evaluation for the project.

Task 3.

Field Exploration

Haro, Kasunich & Associates will retain a geotechnical-related drilling company to perform the necessary drilling operations to obtain soil data and selected soil samples. The drilling operation will include eight (8) test borings drilled to depths of 25 and **40** feet or refusal, whichever is less. The borings will be drilled along the top of the levee. Depending on accessibility constraints, weather and site conditions permitting, both truck-mounted and portable drilling rigs will be employed in the field investigation.

In-situ testing and sampling will be performed at selective depths. The samples will be sealed and returned to our laboratory for testing. Soil profiles will be developed during drilling, and modified as required based on the laboratory index property results as discussed below.

It is the **CLIENT'S** responsibility to provide access to the (outboard) toe of the embankment area. It is understood that we would be granted free access to the project site for all necessary equipment and personnel, and that the Client has notified any and all possessors of the project site, whether they be lawfully or unlawfully in possession.

Task 4.

Laboratory Testing

The laboratory testing program will focus on qualitative and quantitative determination of the soil characteristics. As part of the soil characterization, moisture content, dry density, Atterberg Limits and grain size distribution will be determined. Shear strength properties of selective soil samples will be quantitatively determined from direct shear testing of undisturbed and remolded specimens. Modified proctor compaction tests will be performed to evaluate the man-made embankment consistency.

Permeability tests of both the previous (cohesionless soils) and less pervious (cohesive soils) strata as encountered in the test borings. Corrosivity tests of selective soil samples within the upper 20 feet will also be performed.

Task 5.

Geotechnical Engineering Analyses

Data obtained from the field and laboratory tasks will be used to perform the necessary embankment seepage flow analyses. During this phase of the investigation, Haro, Kasunich & Associates will maintain close communication (either verbally or via technical memorandum) with other members of the project team to: 1) provide rapid dissemination of relevant information; 2) assess the approach to future phases of the project; and 3) if necessary, schedule additional subsurface work to provide needed information.

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Task 6.

Quantitative Seepage Analysis and Evaluation of Consequence of Seepage Flow

Using field measurements and the field and laboratory investigation findings we will develop a subsurface cross section of the existing slope geometry. This cross section will be used in a quantitative analysis to identify possible failure mechanisms as well as existing and potential slide geometry. As discussed on 5 December 2001, the level of analysis is scaled back to evaluating the outboard side of the levee embankment on a static loading basis (general analysis) to review the impact of the cut-off wall to the relative stability of the levee (outboard side) embankment. This analysis will include a flow net method or equivalent method.

Task 7.

Draft Report Preparation

HKA will prepare a draft report with accompanying graphics that will present geotechnical information relevant to the project. This data will be used to address the geotechnical issues pertinent to the project as described on Page 2, item 5 of your letter. A final report under Task 8 will be developed once the designers and reviewers comments have been addressed.

Task 8.

Preparation of Design-Level Geotechnical Reports

Haro, Kasunich & Associates will review the findings with the Team and preliminary conclusions drawn from the draft geotechnical report, design discuss the technical issues associated with the project, and discuss alternatives and/or mitigating measures. On the basis of the comments made, we will prepare a design-level geotechnical report addressing our conclusions and recommendations, and design parameters.

FEE SCHEDULE

CONSULTING GEOTECHNICAL & COASTAL ENGINEERS

1 APRIL 2001

The following schedule presents the rates for professional services and laboratory tests. If desired, services other than construction observation and testing can be contracted on a negotiated fixed fee basis. Hours for professional and technical services are charged portal-to-portal from our office. Services during construction such as testing and observation of grading require both professional and technical services. Depending on the scope and duration of the construction project, budgets can be estimated. Minimum fee for any project is \$500.00.

PROFESSIONAL SERVICES

Principal Engineer	\$150.00 per hour
Senior Engineer	\$125.00 per hour
Engineering Geologist	\$120.00 per hour
Staff Engineer	\$105.00 per hour
Staff Geologist	\$ 90.00 per hour
CAD Technician/Designer	\$ 90.00 per hour
Computer Technician/Engineer Assistant	\$ 90.00 per hour

Arbitration, Deposition, Hearings and Court Appearance, including travel time to and from, \$275.00 per hour. Preparation and Consultation at applicable hourly rate.

Consultation meetings and telephone consultation will be billed at the hourly rate indicated.

PERSONNEL CHARGES (FIELD AND LABORATORY)

Drafting	\$45.00 per hour
Technical Assistant	\$60.00 per hour
Technician	\$62.50 per hour
Staff Technician	\$67.00 per hour
Senior Technician	\$72.50 per hour
Prevailing Wage Technician (Straight Time) (PWT)	\$77.50 per hour
Weekdays (in excess of 8 hours/day) add to personnel charges	\$19.00 per hour
Saturdays (initial 8 hours; add to personnel charges	\$19.00 per hour
Saturdays (in excess of 8 hours) add to personnel charges	\$38.00 per hour
Sundays and Holidays add to personnel charges	\$38.00 per hour

- Prevailing Wage Overtime Hourly Rates will be charged at 2 times (Saturdays) and 2.5 times for Sundays and Holidays of PWT.
- Field services are billed portal-to-portal in accordance with the following minimum charges:
 - 2 hours minimum charge for inspections, sampling, testing operations or show-up time;
 - Per diem will be billed cost plus 20% but not less than \$85.00/day per person.

MILEAGE AND INCIDENTAL EXPENSES

Auto Mileage (within 30 miles of our office)	No Charge
Auto Mileage (beyond 30 miles of our office)	\$ 0.35/mile
Clerical Administration	\$40.00 per hour

Incidental expenses, such as consultant's fee, special services, equipment rental, aerial photographs, out-of-town travel, etc., are reimbursable at cost plus 15%.

DRILLING AND SAMPLING

Drilling rig truck mounted with crew and engineer supervision:

Mobilization	\$290.00 per hour
Straight Time	\$290.00 per hour
Overtime	\$310.00 per hour
Double Time	On Request

For crawler-mounted or rotary-wash type drilling rigs, the rate is cost plus 15%.

Drilling is charged at 4 hours minimum. Time is charged portal-to-portal from yard.

Casing, Shelby Tubes and any special sampling or subcontract equipment will be charged at cost plus 15%.

FIELD TESTS

Plate bearing load, pile load and vane shear tests; piezometer and slope indicator installations; and other special tests will be charged at standard engineering and personnel rates plus cost of and including 15% surcharge for special equipment/personnel.

LABORATORY TESTS

Prevailing Wage Laboratory Technician, per hour	\$ 77.50
Sample Preparation, per hour	\$ 55.00
Sieve Analysis, pit run with 200 wash, ASTM D-422, per test	\$ 65.00
Percent Passing #200 Sieve (wash)	\$ 45.00
Short Hydrometer Analysis (without Sp. Gr.) ASTM C-422	\$ 90.00
Specific Gravity (Sand and Gravel) ASTM D-854	\$ 60.00
Specific Gravity (Clay) ASTM D-854	\$ 75.00
Moisture Determination and/or Unit Weight, ASTM D-2216	\$ 13.00
Sand Equivalent	\$ 85.00
Atterberg Limits:	
a. Plasticity Index, ASTM D-4318	\$ 95.00
b. Shrinkage Limit, ASTM D-427	\$ 120.00
Unconfined Compression, ASTM D-2166	\$ 45.00
Swell Test, HUD (FHA) Procedure	\$ 150.00
Direct Shear (quick), per point	\$ 50.00
Residual Direct Shear, per point	\$ 115.00
Consolidation, per load increment, ASTM D-2335	\$ 50.00
R-value, ASTM D-2844	\$ 160.00
R-value, Cement, Lime or other additives, ASTM D-2844	\$ 175.00
Compaction Curves:	
a. Standard, ASTM D-698	\$ 125.00
b. Modified, 4" mold, ASTM D-1557	\$ 150.00
c. Modified, 6" mold, ASTM D-1557	\$ 185.00
d. Impact, California State Highway	\$ 150.00
e. 1 Point Verification	\$ 50.00

PH, Resistivity, Soluble Chloride and Sulfide as quoted

Triaxial, permeability and other special tests at hourly rates or as quoted.

INVOICES

Invoices will be submitted at the completion of work or at approximately monthly intervals. Invoices are payable upon presentation. Invoices 30 days past due will be subject to a service charge of 1.5 percent monthly interval.

TERMS AND CONDITIONS

No warranty of any kind, express or implied, is made or intended in connection with the work to be performed by us or by the proposal for consulting or other services, or by the furnishing of oral or written reports of findings made by us.

Services performed by us under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. Client recognizes that subsurface conditions may vary from those encountered at the location where borings or tests are made by the Consultant and that the data, interpretations and recommendations of the Consultant are based solely on the information available to him. The Consultant will be responsible for those data, interpretations and recommendations, but shall not be responsible for the interpretation by others of the information developed.

Where these General Terms and Conditions conflict with our Standard Geotechnical Terms and Conditions and they are included as special provisions for services requested, the latter shall apply.

CHANGES

This Fee Schedule is subject to change without notification.

EXHIBIT C

ADDITIONAL, EXCLUDED AND OWNER-FURNISHED SERVICES

ADDITIONAL SERVICES

The following services can be provided when specifically requested and are **excluded** from the scope of work provided herein.

- a) Labor and equipment to perform additional geotechnical study should the initially collected field data be insufficient to address specific site conditions and/or requirements set by your designers, consultants and/or other responsible parties.
- b) Presentations and consultation meetings that may be required during public agency review and approval phases of the project. Consultation meetings, conferences, telephone consultation and/or other items regarding the project not specifically detailed in this proposal are also considered extra services. Such items are difficult to estimate at present and have not been included herein. Work requested by responsible parties that is outside the scope of services will be billed as "extra" on a time and expense basis under purview of this proposal, unless another proposal is specifically requested.
- c) Geotechnical consultation and/or observation services during earthwork and foundation construction. Construction observation will be undertaken on an "as required" basis as requested by the Client or his representatives, and will be provided at additional cost. Although a fee estimate for these services can be provided upon request following review of the final grading and foundation plans, in principle such services will be provided on a "time and expenses" basis.
- d) Geotechnical investigations beyond that described herein.
- e) Any items of work not specifically covered elsewhere in this PROPOSAL.

SERVICES NOT A PART OF OUR SERVICES

The following services are specifically not included as part of our services:

- a) Land/topographic surveys and design plans for grading or drainage improvements.
- b) Geologic study and/or evaluation.
- c) Hazardous material testing and/or evaluation, should any be encountered.
- d) Consideration regarding requirements and impacts of construction with respect to construction in easements and streets, utility conflicts, side drain pipes, connection to existing facilities, or maintenance of existing services.

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- e) Underground utility conflict review is specifically excluded.
- f) Draft specifications and contract documents.

OWNER-FURNISHED SERVICES

It is specifically requested and understood that the Client will furnish the following:

- a) Right of entry, including right of passage through adjacent properties.
- b) Topographic survey of the project site and adjacent areas, prepared by a licensed surveyor showing NGVD elevations at 1" = 20' scale.
- c) Access to the project site.
- d) All available data, maps, drawings, and reports pertinent to the referenced site, including locations of all easements adjoining the project site.
- e) Location of all underground utilities. Before beginning the subsurface exploration, we will inform Underground Service Alert (USA) of our planned drilling. If the information obtained is insufficient, it will be necessary to hire a professional underground locator service, at the Client's expense, to mark existing underground utilities in the vicinity of the proposed boring locations.

EXHIBIT D
Proposed Cost Estimate
Salsipuedes Creek Levee Rehabilitation

The cost estimate for these services was prepared in accordance with the work element structure expressed by the tasks described in Exhibit A. The time expected to spend on each task is estimated based on the information available to us at this time. The actual time and/or expenses spent on any one task may vary from those indicated below.

TASK 1.	Preliminary/Contract Administration, Design Team Meeting Site Reconnaissance and Team Site Meeting	
	8 hours @ \$150.00/hr. = \$1,200.00	
	4 hours @ \$125.00/hr. = \$ 500.00	\$ 1,700.00
TASK 2.	Literature Review and Research Work	
	4 hours @ \$150.00/hr = \$600.00	
	12 hours @ \$125.00/hr = \$1,500.00	\$2,100.00
TASK 3.	Geotechnical Field Exploration	
	Independent Utility Locator,	
	4 hours @ \$103.50/hr = \$ 414.00	
	Solid Flight Drilling Rig:	
	Drilling, sampling	
	16 hours @ \$335.00/hr. = \$ 5,360.00	
	Grout Test Holes = \$ 600.00	
		\$6,374.00
TASK 4.	Laboratory Testing	
	Lump Sum	\$4,205.00
TASK 5.	Geotechnical Engineering Analysis	
	8 hours @ \$150.00/hr = \$ 1,200.00	
	24 hours @ \$125.00/hr = \$ 3,000.00	
		\$4,200.00
TASK 6.	Quantitative Seepage Analysis and Evaluation Consequences of Seepage Flow	
	24 hours @ \$150.00/hr = \$ 3,600.00	
	24 hours @ \$ 125.00/hr = \$ 3,000.00	
	20 hours CAD Technician \$90.00/hr. = \$ 1,800.00	
		\$ 8,400.00

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Revised 2Q December 2001**

TASK 7.	Draft Report Preparation, Submit Draft Report	
	8 hours @ \$150.00/hr =	\$1,200.00
	12 hours @ \$125.00/hr =	\$1,500.00
	8 hours @ \$80.00/hr. =	\$ 640.00
	8 hours @ \$40.00/hr. =	\$ 320.00
	Reproduction and Non-Technical Assistance	\$ 150.00
		\$3,810.00
TASK 8.	Preparation of Design Level Geotechnical Report, Review Comments	
	8 hours @ \$150.00/hr. =	\$1,200.00
	12 hours @ \$125.00/hr. =	\$1,500.00
	12 hours @ \$40.00/hr. =	\$ 480.00
		\$3,180.00
	Total Cost Estimate	\$33,969.00



THOMAS L. BOLICH
DIRECTOR OF PUBLIC WORKS

County of Santa Cruz

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 950604070
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

September 17, 2001

HARO, KASUNICH AND ASSOCIATES
116 East Lake Avenue
Watsonville, CA. 95076

SUBJECT: GEOTECHNICAL SERVICES FOR THE SALSIPUEDES CREEK LEVEE
REHABILITATION PROJECT

The County of Santa **Cruz** Department of Public Works would like to consider retaining your services for the Salsipuedes Creek Levee Rehabilitation Project, as informally discussed at our recent field meeting on August 21, 2001. The nature of the site problem, scope of the requested services, and project limitations are as outlined below. Please review this information and provide us with a proposal and soils investigation.

Site Problem

The west bank of Salsipuedes Creek has experienced water seepage during high flow events. This seepage has threatened the integrity of the levee, raising a potential flood risk to surrounding structures. The nature of this seepage has been evidenced by the appearance of piping/boils on the outboard banks and levee toe as well as softened levee sections. Portions of this levee have been recently improved through emergency programs by the Corps of Engineers. A remaining section, between the Highway 129 bridge and the stream junction with the Pajaro River, has not been completely treated for seepage problems. This approximate 700-foot reach of the west bank is the project area of concern. This reach was built by the Corps of Engineers, and by agreement is maintained by the Public Works Department. The County has repaired the softened sections of this project reach and resurfaced the levee, bringing the top up to a uniform elevation and minimum section; however, additional work is required to fully address the seepage problems in this reach.

Scope of Requested Services

Provide geotechnical soils and foundation investigations to quantify site conditions for the purposes of seepage analysis and treatment recommendations to solve the above described problem. Such analysis and recommendations are to be based on the collected data and engineering calculations performed.

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DWS
0393
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Attachment "B"

Specific items

1. Soils/foundation investigations - borings with mapped/profiled logs at approximately 200-foot spacings, estimate four to eight locations.
2. Permeability tests - both pervious and less pervious strata as encountered by borings and relevant to seepage analysis and recommended treatment.
3. Corrosivity tests - as applicable to chosen materials.
4. Seepage analysis - quantified comparison of existing vs. proposed conditions - flow net method or equivalence.

Includes:

- A. Soil flow rates
 - B. Soil uplift forces at downstream emergence (piping **risk**)
 - C. Evaluation of inboard slope stability upon rapid creek draw-down as affected by proposed project measure - increased risk?
5. Recommended treatment method(s)
- A. Define extent
 - B. Materials and design properties
 - C. Construction method and feasibility
 - D. Limitations of recommended method to achieve protection

While sheet piling was discussed as the primary means to affect repair, other options that you deem feasible should be considered where they fit within project limitations, and are advantageous in function and cost.

Presentation of services is to be in a docket format, with such illustrations, graphs, tables, etc., as are necessary to communicate content to the Public Works Department. This is not intended to include construction drawings or specifications, or any other construction related documents used to execute the project. The Public Works Department will provide, in advance, a survey of the surface topography, a topographic plan map, cross sections and profile of the project reach for use by your firm.

Project Limitation

Recommended improvement methods should be achievable from within the confines of the top width of the levee, and its full length from the bridge abutment to the rip-rapped inboard slope near the streamjunction. Environmental restrictions prevent disturbance of the riparian corridor, which has been defined to include the levee slopes on each side. Overhead power lines, a buried gas line, a drainage outfall, and overhead tree limbs are known to exist within the project area, and may present certain limitations.

A maximum budget of approximately \$680,000.00 for construction has been provided to accomplish the entirety of the project.

We look forward to hearing from you regarding your interest in providing these services, and hope that we can cooperatively remedy the seepage situation.

Yours truly,

THOMAS L. BOLICH
Director of Public Works

By:



Brian Turpen
Assistant Director
of Public Works

DWS:abc

SALASA.wpd

COUNTY OF SANTA CRUZ

REQUEST FOR APPROVAL OF AGREEMENT

TO: Board of Supervisors
County Administrative Office
Auditor Controller

FROM: PUBLIC WORKS (Department)
BY: [Signature] (Signature) 1/3/02 (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.

1. Said agreement is between the COUNTY OF SANTA CRUZ PUBLIC WORKS (Department/Agency)
and HARO KASUNICH AND ASSOCIATES 116 EAST LAKE AVENUE, WATSONVILLE, CA 95076 (Name/Address)

2. The agreement will provide GEOTECHNICAL SERVICES FOR THE SALSIPUEDES CREEK LEVEE STABILIZATION PROJECT.

3. Period of the agreement is from BOARD OF APPROVAL (JAN 8) to JUNE 30, 2002

4. Anticipated Cost is \$33,969.00 ☐ Fixed ☐ Monthly Rate ☐ Annual Rate ☒ Not to Exceed

Remarks: CONTRACT \$33,969.00; OVERHEAD @ 7% \$2377.83; TOTAL \$36,346.83

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 622245, 24837, 3665 (Index) 6610 (Sub object)

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

Appropriations are available and will be encumbered.
are not

Contract No: 12681

By: Adm J. Vih
Auditor-Controller Deputy

Date: 1/2/02

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:

By:
County Administrative Office

DWS: abc

Distribution:

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

State of California
County of Santa Cruz

I 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 approved 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

ADM - 29 (8/01)

Title I, Section 300 Proc Man

By: Deputy Clerk

AUDITOR-CONTROLLER USE ONLY

CO	Document No.	\$ JE Amount	Lines	H/TL	Keyed By	Date
040	TC110					
Auditor Description	Amount	Index	Sub object	User Code		