

STANDARD AGREEMENT — APPROVED BY THE ATTORNEY GENERAL
STD. 2 (REV.5-91)

CONTRACT NUMBER CTA-97014	AM. NO.
TAXPAYER'S FEDERAL EMPLOYER IDENTIFICATION NUMBER	

THIS AGREEMENT, made and entered into this 1st day of May, 19 98, in the State of California, by and between State of California, through its duly elected or appointed, qualified and acting

TITLE OF OFFICER ACTING FOR STATE Executive Officer	AGENCY California Tahoe Conservancy
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County of El Dorado, hereafter called the State, and hereafter called the Contractor.

WITNESSETH: That the Contractor for and in consideration of the covenants, conditions, agreements, and stipulations of the State hereinafter expressed, does hereby agree to furnish to the State services and materials as follows: (Set forth service to be rendered by Contractor, amount to be paid Contractor, time for performance or completion, and attach plans and specifications, if any.)

1. Scope of Agreement

a. Pursuant to Section 66907.7 et seq. of the Government Code and its resolution of April 24, 1998, the California Tahoe Conservancy (hereafter called the "Conservancy") hereby grants to the County of El Dorado (hereafter called the "Grantee") a sum not to exceed three hundred thirty-five thousand seven hundred dollars (\$335,700), subject to the terms and conditions of this Agreement. These funds shall be used to acquire that certain real property or an interest therein necessary for constructing or installing the Cascade, Silvertip, Upper Angora Creek and Woodland/Tamarack/Lonely Gulch Erosion Control Project(s) described in (d) below, located in the County of El Dorado, State of California, more particularly described in the attached Exhibit D (hereafter the "Property").

ATTEST: DIXIE L. FOOTE, Clerk of the Board of Supervisors
By Margaret E. Moore
DEPUTY 5/19/98

CONTINUED ON _____ SHEETS, EACH BEARING NAME OF CONTRACTOR AND CONTRACT NUMBER.

The provisions on the reverse side hereof constitute a part of this agreement.
WITNESS WHEREOF, this agreement has been executed by the parties hereto, upon the date first above written,

STATE OF CALIFORNIA	CONTRACTOR
AGENCY California Tahoe Conservancy	CONTRACTOR (If other than an individual, state whether a corporation, partnership, etc.) County of El Dorado
(AUTHORIZED SIGNATURE) <u>Dennis T. Machida</u>	BY (AUTHORIZED SIGNATURE) <u>J. Mark Nielsen</u> 5-19-98
PRINTED NAME OF PERSON SIGNING Dennis T. Machida	PRINTED NAME AND TITLE OF PERSON SIGNING J. MARK NIELSEN CHAIRMAN pro tem
TITLE OF OFFICER	ADDRESS 360 Fair Lane, Placerville, CA 95667

AMOUNT ENCUMBERED BY THIS DOCUMENT \$ 235,000	PROGRAM/CATEGORY (CODE AND TITLE) Capital Outlay and Local Assistance	FUND TITLE General Fund		
AMOUNT ENCUMBERED FOR THIS CONTRACT \$	(OPTIONAL USE) CTC Code 135714			
TOTAL AMOUNT ENCUMBERED TO DATE \$ 235,000	ITEM 3125-301-0001(c)	CHAPTER 303	STATUTE 95	FISCAL YEAR 97/98
OBJECT OF EXPENDITURE (CODE AND TITLE) 3125-751-31400				
I hereby certify upon my own personal knowledge that budgeted funds are available for the period and purpose of the expenditure stated above.				
SIGNATURE OF ACCOUNTING OFFICER <i>Leonora P. Caspary</i>			T.B.A. NO.	B.R. NO.
			DATE 6/8/98	

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AMOUNT ENCUMBERED BY THIS DOCUMENT \$ 100,700	PROGRAM/CATEGORY (CODE AND TITLE) Capital Outlay and Local Assistance	FUND TITLE General Fund		
AMOUNT ENCUMBERED FOR THIS CONTRACT \$ 235,000	(OPTIONAL USE) CTC Code 139714			
TOTAL AMOUNT ENCUMBERED TO DATE \$ 335,700	ITEM 3125-301-0001(c)	CHAPTER 162	STATUTE 96	FISCAL YEAR 97/98
OBJECT OF EXPENDITURE (CODE AND TITLE) 3125-751-31700				
I hereby certify upon my own personal knowledge that budgeted funds are available for the period and purpose of the expenditure stated above.				
SIGNATURE OF ACCOUNTING OFFICER <i>Leonora P. Caspary</i>			T.B.A. NO.	B.R. NO.
			DATE 6/8/98	

Department of General Services
Use Only

- CONTRACTOR
 STATE AGENCY
 DEPT. OF GEN. SER.
 CONTROLLER

- b. Any changes in the parcels or interests to be acquired must be consistent with the purposes of this grant and must be submitted in writing to the Executive Officer of the Conservancy for his review and written approval prior to commencement of acquisition activities.
- c. Grantee agrees to complete acquisition of the Property in accordance with the dates set forth in the Project Schedule(s) described in Exhibit B. For good cause shown, said dates may be extended by the Executive Officer upon written request by the Grantee. Except as otherwise provided herein, the Grantee shall expend funds in the manner described in the Project Budget set forth in Exhibit B. The dollar amount of an item in the Project Budget may be increased by up to ten percent (10%) through reallocation of funds from another item or items, without approval by the Executive Officer; however, the Grantee shall notify the Conservancy in writing when any such reallocation is made, and shall identify both the item(s) being increased and those being decreased. Any increase or decrease of more than ten percent (10%) in the amount of a budget item must be approved in writing by the Executive Officer. The total amount of the grant may not be increased except by formal amendment of this Agreement.
- d. The Grantee agrees that the interests in property acquired under this Agreement shall be used by the Grantee only for the purpose of future construction of erosion and sediment control measures, as more particularly described in the Conservancy Staff Recommendation of April 24, 1998, which is attached hereto as Exhibit A (the "Project") and that no other use, sale or disposition of the Property that is inconsistent with the purposes of this Agreement shall be permitted, except as authorized by the Conservancy's governing board. The deed or other instrument of conveyance by which Grantee acquires the Property shall reflect this restriction, and shall set forth, as an express condition subsequent or executory limitation upon the title to be vested in Grantee, the right of Conservancy or its designee to enter and take title to the Property in the event that an essential term or condition of this Agreement is violated (as specified in the section entitled "Conditions", below). The Grantee agrees to operate and maintain the Property for purposes of the Project, as detailed in the "Operation and Maintenance" section of this Agreement.
- e. If Grantee constructs improvements on the Property, then, for each major segment or element of the improvements, Grantee shall erect and maintain signs on the Property which identify the project and the respective roles of the Conservancy and the Grantee and acknowledge the Conservancy's funding assistance, as well as interpretive signs, if proposed.

2. Incorporation of Documents by Reference

The following exhibits and other documents are incorporated by reference into this Agreement and made a part hereof:

- (a) Exhibit A, Conservancy's Staff Recommendation containing Conservancy's resolution of April 24, 1998;
- (b) Exhibit B, Project Schedule(s);
- (c) Exhibit C, Grantee's List of Assurances;
- (d) Exhibit D, detailed description of the Property;
- (e) Exhibit E, Model Deed Language; and
- (f) Exhibit F, Sample Request for Disbursement form.

In the event of any inconsistency between or among the main body of this Agreement and the above documents, the inconsistency shall be resolved, except as otherwise provided herein, by giving precedence in the following order: (1) Conservancy Resolution; (2) the body of the Agreement; (3) the detailed description of the Property; (4) the Model Deed language; (5) the Conservancy Staff Recommendation; (6) the Grantee's List of Assurances; and (7) the Sample Request for Disbursement form.

3. Conditions

a. Disbursement of any and all funds under this Agreement is subject to the following conditions:

- (1) Grantee shall submit all title and acquisition documents pertaining to the acquisition, including appraisals, preliminary (title) reports, agreements for purchase and sale, escrow instructions, and instruments of conveyance such as deeds, to the Conservancy's Executive Officer for his review and approval prior to acquisition.
- (2) The funding provided under this Agreement for the purchase price of any interest in property may not exceed fair market value as established by an appraisal and as approved by the Executive Officer in writing, and in any event shall not exceed the amount set forth in the section entitled "Scope of Agreement" above.
- (3) The interest(s) in property acquired pursuant to this Agreement may not be used as security for any debt without the written approval of the Executive Officer.
- (4) The Grantee shall not transfer any interest(s) in property acquired pursuant to this Agreement unless a new agreement sufficient to protect the interest of the people of the State of California has been entered into with the transferee and approved by the Conservancy's board.

(5) If any essential term or condition of this Agreement is violated, after acquisition of any real property under this Agreement, title to all the interest(s) in real property acquired under this Agreement shall immediately vest in the State of California, at the expiration of thirty (30) days after the Conservancy's recordation of a notice that Grantee has defaulted under one or more of the essential terms of this Agreement, unless before the expiration of said thirty (30) day period Conservancy records notice that said default has been cured. For purposes of this paragraph, the "essential terms and conditions" shall consist of conditions (3) and (4) above, and the requirements of the "Operation and Maintenance" and "Assignability" sections of this Agreement. The grantee shall use the language contained in Exhibit E in all deeds where an interest in real property is acquired pursuant to this Agreement.

4. Costs and Disbursements

a. Upon satisfaction of conditions (1) and (2) in the "CONDITIONS" section above, the Conservancy agrees to disburse on behalf of Grantee a total amount not to exceed three hundred thirty-five thousand seven hundred dollars (\$335,700), in the manner provided below.

b. Subject to the conditions of this Agreement, the full amount payable by Conservancy toward the purchase of the Property, including title costs and escrow fees, will at Grantee's request be paid by Conservancy directly to Grantee or into an escrow account established for such acquisition upon approval of the purchase and sale agreements, escrow instructions and documents of title by the Executive Officer, and submittal of a "Request for Disbursement" form substantially in the form of Exhibit F, or comparable invoice, by the Grantee. Due to appropriation limitations, all invoices must be submitted on or before May 1, 2000.

c. For Project costs other than those paid as provided in (b) above, including costs of surveys, site inspections, preparation of appraisals, etc., disbursement shall be made upon completion of the services or products for which expenses are incurred and which were previously approved by the Executive Officer. The Grantee shall request disbursement not more often than monthly by filing with the Conservancy fully executed "Request for Disbursement" or comparable invoice which contains:

-the invoice number (up to 14 characters) which contains a two-letter abbreviation of the project name, and the sequential number of the invoice (starting with 1) (e.g., GB1, for invoice #1 for the Golden Bear project). The Grantee may also include its own project number in the invoice number (GB1-95133);

-- Grantee's name and address;

-- the number of this Agreement (e.g., CTA-95023);

-- the date of the submittal;

-- the amount of the invoice;

-- an itemized description of all work done for which disbursement is requested;

-- any supporting invoices or other source documents from sub-contractors hired by the Grantee to complete any portion of the Project funded under this Agreement; and

-- the signature of an official authorized by the Grantee to sign such invoices certifying that the invoiced work has been completed.

Failure to submit a completed Request for Disbursement form, with all necessary supporting documents, shall relieve the Conservancy of any obligation to disburse funds to the Grantee until such time as the deficiencies are corrected. Due to appropriation time limits, all invoices must be submitted on or before May 1, 2000.

The Conservancy will make best efforts to forward each complete and approved Request for Disbursement to the State Department of General Services or to the Office of the State Controller, as the case maybe, within ten (10) working days of receipt by the Conservancy.

5. Term of Agreement

a. The term of this Agreement, during which Grantee shall be obligated to operate and maintain the Property (see "Operation and Maintenance" below), shall run for a period of twenty (20) years from the effective date hereof, provided, however, that if erosion control project improvements are begun on the Property within said period, the termination date of this Agreement shall be extended to twenty (20) years from the completion of said improvements.

b. Prior to Grantee's entering into a binding agreement to purchase the Property, either party may terminate this Agreement for any reason by providing the other party with sixty (60) days notice in writing.

c. In the event of early termination by the Conservancy under the immediately preceding sub-paragraph, the Grantee agrees to take all reasonable measures to prevent further costs to the Conservancy under this Agreement, and the Conservancy shall be responsible for any reasonable and noncancelable (binding) obligation incurred by the Grantee in the performance of this Agreement until the date of the notice to terminate but in any case not to exceed the undisbursed balance of funding authorized in this Agreement.

6. Operation and Maintenance

a. The Grantee agrees to maintain the Property for the purposes of the Project(s) throughout the term of this Agreement. The Grantee agrees to assume all management, operations and maintenance costs of the future Project(s) and the Conservancy and the State of California shall not be liable for any cost of such operation and maintenance.

b. The Grantee may be excused from its obligations for operation and maintenance of the Property during the term of this Agreement only upon the written approval of the Executive Officer of the Conservancy for good cause shown. "Good cause" includes, but is not limited to, natural disasters which destroy the Project improvements and render the Project(s) obsolete or impracticable to rebuild.

c. Where Grantee constructs improvements on the Property for the purpose of carrying out the Project(s), and thereafter fails to maintain such improvements during the term of this Agreement, other than for reasons beyond Grantee's control, Grantee shall, at Conservancy's election, repay to the Conservancy all amounts disbursed hereunder in-lieu of Conservancy's taking title to the property under the "Conditions" section hereinabove. Grantee may, by written request and statement of reasons, seek Conservancy's waiver of the right to repayment.

If the Executive Officer or his designee does not approve such waiver, the matter shall be referred to the Conservancy's governing board for its decision. Following the determination of the governing board, the Conservancy and the Grantee shall enter into a written termination agreement establishing the effective date for termination of the Project(s), the basis for settlement of any outstanding obligations, and the amount and the date of payment of any sums due to either party.

d. Except as expressly stated herein, this section shall not be deemed to limit any legal or equitable remedies which either party may have for breach of this Agreement.

7. Liability

a. The Grantee shall be responsible for, indemnify, and save harmless the Conservancy and its members, officers, agents, and employees, from any and all liabilities, claims, demands, damages, or costs resulting from, growing out of, or in any way connected with or incident to this Agreement, or the design, construction, operation, repair, maintenance, existence, or failure of any project which utilizes the Property, except to the extent of, ~~and in direct~~ proportion to, the active negligence of the Conservancy, its member(s), officer(s), agent(s) or employee(s) which arises other than from (1) a failure by Conservancy to warn of hazards base upon its review or inspection of the Project plans, designs, specifications, or site(s) and/or (2) the omission by Conservancy to review or inspect said plans, designs, specifications, or site(s).

b. The parties expressly acknowledge that this Agreement is an agreement for the subvention of public funds from Conservancy to Grantee, and is not an "agreement" as that term is defined in Government Code Section 895. Accordingly, it is acknowledged Grantee does not, in matters arising under this Agreement, have any right to contribution and indemnity from the Conservancy and/or the State of California arising under Government Code Sections 895.2 and 895.6.

c. The Grantee waives any and all rights to any type of express or implied indemnity or right of contribution from the State, officers, agents or employees, for any liability resulting from, growing out of, or in any way connected with or incident to this Agreement, except such liability as results from the Conservancy's active negligence and, in the case of joint negligence, is in direct proportion to the Conservancy's share of fault.

d. Conservancy assumes no responsibility for assuring the safety of any site improvements constructed on the Property and of the Property itself. The Conservancy's rights under this Agreement to review, inspect or approve the Final Plans and Project improvements and/or the exercise of such rights shall not give rise to any warranty or representation that the Final Plans and Project improvements or Project Site(s) are free from defects or hazards.

8. Audits/Accounting/Records

The Grantee shall maintain satisfactory financial accounts, documents, and records relating to the acquisition of the Property and any other expenses under this Agreement, and shall make them available to the Conservancy staff for auditing and inspection. Such accounts, documents, and records shall be retained by the Grantee for three years following the date of final disbursement by the Conservancy under this Agreement, and shall be subject to examination and audit by the State of California Auditor General during this period. The Grantee may use any generally accepted accounting system, provided such system meets minimum requirements established by the State of California.

9. Nondiscrimination Clause

During the performance of this Agreement, the Grantee and its contractors shall not unlawfully discriminate against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, medical condition, marital status, age (over 40) or sex. The Grantee and its contractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free of such discrimination. The Grantee and its contractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12900 et seq.) and the applicable regulations promulgated thereunder (California Administrative Code, Title 2, Section 7285.0 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 et seq., set forth in Chapter 5 of Division 4 of Title 2 of the California Administrative Code, are incorporated into this Agreement by reference and made a part hereof as if set forth in full. The Grantee and its contractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.

This nondiscrimination clause shall be included in all contracts entered into by the Grantee for the performance of work within the scope of this Agreement.

10. Independent Status of Grantee

The Grantee, and the agents and employees of the Grantee, in the performance of this Agreement, shall act in an independent capacity and not as officers of employees or agents of the ~~State of California~~

11. Assignability

Without the written consent of the State, the Grantee's interest in, and responsibilities under this Agreement shall not be assignable by the Grantee either in whole or in part.

12. Time of the Essence

Time is of the essence of this Agreement.

13. Amendments

Unless otherwise provided herein, no alteration or variation of the terms of this Agreement shall be valid unless made in writing and signed by the parties hereto, and no oral understanding or agreement to be incorporated herein shall be binding on any of the parties hereto.

14. Project Coordinators

Steven Goldman (or such other person(s) as the Executive Officer may designate from time to time) is designated the Conservancy's Project Coordinator for this grant. ~~Conservancy Office of~~
~~employee with responsibility for administering this agreement is Bruce Lee, Supervising Civil~~
~~Engineer, Department of Transportation, or successor.~~

15. Conservancy Approvals

All actions and approvals required to be taken by the Conservancy under this Agreement may be taken by the Executive Officer or his designee.

16. Resolution

The signature of the Executive Officer of the Conservancy on this Agreement certifies that at its April 24, 1998, meeting, the Conservancy approved a grant of three hundred thirty-five thousand seven hundred dollars (\$335,700) to the Grantee for the implementation of the project described in the attached Conservancy Staff Recommendation (Exhibit A).

17. Section Headings

The headings and captions of the various sections of this Agreement have been inserted only for the purpose of convenience, and are not a part of this Agreement and shall not be deemed in any manner to modify, explain, or restrict any of the provisions of this Agreement.

18. Severability

The provisions of this Agreement are intended to be severable, separate, and distinct from each other. If any provision hereof is determined to be invalid or for any reason becomes unenforceable, no other provision shall be thereby affected or impaired.

19. Entire Agreement

This Agreement, and the attached exhibits, constitutes the entire contract between the parties hereto, relating to the Project and may not be modified except by an instrument in writing signed by the parties hereto.

EXHIBIT A

Tahoe Conservancy
Staff Recommendation
4-98-2
April 24, 1998

Soil Erosion Control Grants Program

REQUESTED ACTION: Authorization of grants for the implementation of twelve soil erosion control projects involving site improvements, monitoring, and acquisition of various interests in real property.

LOCATION: Various project sites throughout the Tahoe Basin, as shown in Exhibit 1.

FISCAL SUMMARY:

Site improvement costs: \$3,500,000 from the General Fund and Proposition 204 funds

Land acquisition costs: \$ 621,400 from the General Fund

RECOMMENDATION: Staff recommends that the Conservancy adopt the following resolution pursuant to Government Code Section 66905 et seq. and 66907.7:

"The California Tahoe Conservancy hereby authorizes staff to enter into standard agreements and take all other necessary steps, subject to the provisions and conditions discussed in the accompanying staff report, project synopses, and exhibits, in order to fund and implement the following grant projects:

1. To the County of El Dorado

A total of \$1,395,500 for site improvements and \$387,900 for acquisition of various interests in real property for the Angora, Cascade, Hekpa, Pioneer III, Silvertip, Upper Angora Creek, and Woodland/Tamarack/Lonely Gulch Erosion Control Projects.

2. To the County of Placer

A total of \$844,250 for site improvements, and \$131,500 for acquisition of various interests in real property for the Beaver Street and Lake Tahoe Park Erosion Control Projects.

3. To the City of South Lake Tahoe

A total of \$949,250 for site improvements and \$102,000 for acquisition of various interests in real property for the Al Tahoe/Pioneer Trail/Bijou Creek and Rocky Point Erosion Control Projects.

4. To the South Tahoe Public Utility District

A total of \$311,000 for site improvements for the Upper Cold Creek Erosion Control Project.

"The award of the grants and disbursement of funds is conditioned upon a commitment, by resolution and through execution of standard agreements, by the individual grantees to undertake the projects in a manner consistent with the purpose and scope of the grants, to monitor the effectiveness of the projects, and to manage and maintain the projects for the 20-year term of the grants."

Staff further recommends that the Conservancy make the following concurrent findings based on the accompanying staff report pursuant to Public Resources Code Section 21000 et seq.:

"The California Tahoe Conservancy has considered the environmental impacts of the proposed Cascade Erosion Control Project as described in the attached Negative Declaration and Initial Study adopted by El Dorado County, together with comments on the project and other information provided to the Conservancy, and finds that, with the proposed mitigation measures that have been incorporated into the project by the County, there is no substantial evidence that this project will have a significant effect on the environment."

"The California Tahoe Conservancy has considered the environmental impacts of the proposed Hekpa Erosion Control Project as described in the attached Negative Declaration and Initial Study adopted by El Dorado County, together with comments on the project and other information provided to the Conservancy, and finds that, with the proposed mitigation measures that have been incorporated into the project by the County, there is no substantial evidence that this project will have a significant effect on the environment."

"The California Tahoe Conservancy has considered the environmental impacts of the proposed Silvertip Erosion Control Project as described in the attached Negative Declaration and Initial Study adopted by El Dorado County, together with comments on the project and other information provided to the Conservancy, and finds that, with the proposed mitigation measures that have been incorporated into the project by the County, there is no substantial evidence that this project will have a significant effect on the environment."

"The California Tahoe Conservancy has considered the environmental impacts of the proposed Woodland/Tamarack/Lonely Gulch Erosion Control Project as described in the attached Negative Declaration and Initial Study adopted by El Dorado County, together with comments on the project and other information provided to the Conservancy, and finds that, with the proposed mitigation measures that have been incorporated into the project by the County, there is no substantial evidence that this project will have a significant effect on the environment."

"The California Tahoe Conservancy has considered the environmental impacts of the proposed Lake Tahoe Park Erosion Control Project as described in the attached Negative Declaration and Initial Study adopted by Placer County, together with comments on the project and other information provided to the Conservancy, and finds that, with the proposed mitigation measures that have been incorporated into the project by the County, there is no substantial evidence that the project will have a significant effect on the environment."

"The California Tahoe Conservancy has considered the environmental impacts of the proposed Upper Cold Creek Erosion Control Project as described in the attached Negative Declaration and Initial Study adopted by the South Tahoe Public Utility District (STPUD), together with comments on the project and other information provided to the Conservancy, and finds that, with the proposed mitigation measures that have been incorporated into the project by STPUD, there is no substantial evidence that the project will have a significant effect on the environment."

STAFF DISCUSSION:

I. Introduction

On November 22, 1985 the Conservancy adopted program guidelines and criteria and authorized staff to take steps to initiate a soil erosion control grants program. Since 1985 the Conservancy has approved grants totalling approximately \$35.1 million for 73 erosion control projects, including \$27.1 million for the construction of site improvements and \$7.9 million for the acquisition of various interests in real property. In July 1997 the Conservancy adopted revised grant program guidelines and authorized staff to initiate the thirteenth round of erosion control grants. On July 13, 1997 a program announcement and guidelines were circulated among the eligible applicants initiating the 1997-98 application process.

Under this round of the program the eligible applicants include the County of El Dorado, the County of Placer, the City of South Lake Tahoe, and the three public utility districts (PUDs) (Tahoe City Public Utility District, North Tahoe Public Utility District and South Tahoe Public Utility District) operating on the California side of the Basin.

A total of \$3,500,000 from the Conservancy's current year General Fund local assistance appropriation for this program and from Proposition 204 funds allocated to the Conservancy was made available for site improvements for this round of grants. From this \$3,500,000, the Conservancy allocated a total of \$2,625,000 (75% of \$3,500,000) to El Dorado and Placer Counties and the City of South Lake Tahoe according to the relative estimated erosion control needs within each jurisdiction.

The following amounts were allocated to these jurisdictions:¹

El Dorado County (46%)	\$1,207,500
Placer County (25%)	656,250
City of South Lake Tahoe (29%)	<u>761,250</u>
Total	\$2,625,000

These funds were allocated to the various jurisdictions provided that they submit applications for projects which meet program criteria. The remaining \$875,000 was retained by the Conservancy for award to the best qualifying applications on a discretionary and competitive basis, including those submitted by the PUDs.

In the July 1997 announcement for the erosion grant program, an additional \$390,400 in General Fund appropriations was made available for land acquisitions needed for erosion control projects, either in conjunction with applications for site improvements, future erosion control projects, or to enable the implementation of erosion control projects funded from other sources. Staff is recommending these funds be supplemented with an additional allocation of \$231,000 in acquisition funds to meet the applicants' needs for this round of grants. Though staff has worked with grantees to reduce acquisition costs by encouraging donations of easements where feasible, additional acquisition funds may be needed later for some projects.

All eligible jurisdictions were encouraged to submit applications for jurisdictional and discretionary site improvement funds and for acquisition funds needed to implement erosion control projects.

The program guidelines further specify that the Conservancy will consider in its funding decisions the proposed projects' achievement of the following three objectives:

- the projects address identified high priority soil erosion control needs. As mandated by the Legislature in the budget control language of the 1987 Budget Act, the Conservancy may only fund projects which have a sediment reduction efficiency of at least 6.4 pounds per site improvement dollar spent by the State. This is the minimum efficiency of the Priority Group I projects in the Report. The Conservancy will emphasize the implementation of projects identified in the Report but will also consider other projects where further study has identified additional needs;
- the projects deal with these needs in a comprehensive, integrated, and cost-effective manner; and
- the projects can be readily implemented.

¹ Percentage of the estimated costs of the Priority Group I erosion control projects identified in the Conservancy's A Report on Soil Erosion Control Needs and Projects in the Lake Tahoe Basin, March 1987 (hereafter, the Report) for each of three general government jurisdictions on the California side of the Basin.

II. Evaluation Process for Applications Received

As adopted by the board, the application review process involved a three-step procedure: field review, pre-application, and final application. First, a field review was conducted of potential project sites. In most cases, the field review was attended by representatives of the Conservancy, the Tahoe Regional Planning Agency (TRPA), the Lahontan Regional Water Quality Control Board (LRWQCB), and the applicants. The purpose of the field review was to identify high priority projects and to obtain agency comments and concerns at an early stage in the application process so that pre-applications could address these concerns.

The pre-applications provided more detailed information about the proposed projects identified during the field reviews (e.g., estimated costs, sediment reduction efficiency calculations, acquisition needs), but not as much detail as the final applications require. The purpose of the pre-application was to provide sufficient information to determine whether a project met program requirements, objectives, and criteria. Additionally, it could be determined from such pre-applications which projects within each jurisdiction would receive the strongest consideration for grants from the available funds. This step was intended to save the applicants time and money in preparing final grant applications for lower priority projects.

During the preliminary application phase the total funding requests submitted by the applicants were greater than the funds available for this funding cycle. The Conservancy staff worked with the applicants to adjust their requests to match the available funds. The funding requests in the final applications thus reflect the amount of funds available.

Evaluation of the final project applications involved a series of steps. First, staff reinspected the sites, in some cases accompanied by the applicant or with staff from TRPA and LRWQCB if these agencies had raised any concerns about the project. Second, copies of the project applications were transmitted to TRPA and LRWQCB, and comments were solicited from them. Staff then re-evaluated each of the projects for consistency with the adopted grant program criteria and for consistency with TRPA's Environmental Improvement Program (EIP) (see below). Additionally, staff evaluated the proposed projects in terms of their priority for discretionary site improvement funds. Finally, staff evaluated the acquisition grant requests for their importance to the overall project or problem to be addressed.

It should be noted that there are significant variations in the monitoring budgets among the projects. The grant guidelines require that all projects be monitored according to the suitability of various types of monitoring. In some cases, visual observations and photographs are the most suitable method because of infrequent and low runoff flows. Projects that have long-duration, concentrated runoff flows generally are suitable to be monitored by water quality sampling. Sampling is valuable because it gives quantitative data on concentrations of various pollutants, including both sediment and nutrients. Since the cost of a water quality sampling program is much greater than the cost of a qualitative monitoring program, a project that has both monitoring components will have a substantially higher monitoring budget.

III. Summary of Recommendations

Staff is recommending award of grants totalling \$4,121,400 (\$3,500,000 in site improvement grants and \$621,400 in land acquisition grants). Specifically, staff recommends a total of \$1,783,400 for El Dorado County (\$1,395,500 in site improvement funds and \$387,900 in acquisition funds). A total of \$975,750 is recommended for Placer County (\$844,250 in site improvement funds and \$131,500 in acquisition funds). A total of \$1,051,250 is recommended for the City of South Lake Tahoe (\$949,250 in site improvement funds and \$102,000 in acquisition funds). A total of \$311,000 in site improvements funds is recommended for the South Tahoe Public Utility District (STPUD). These funding recommendations are summarized in Table 1.

All the projects were determined to be eligible for funding under the erosion control grants program. The allocation of jurisdictional and discretionary funds reflects a number of considerations. The main factors which influenced the priorities for funding were the significance of the problem to be addressed; the planned date of construction and ability to implement a project quickly; the amount of planning and design work already completed; the proximity to Lake Tahoe or other bodies of water; and the support of affected property owners. Other factors affecting project ranking include the estimated sediment reduction efficiency; the priority given to the project by other agencies and staff; the cost-effectiveness and comprehensiveness of the project; and the availability of funding from other sources.

Projects proposed by the PUDs can be considered for award of discretionary funds only. Funding requests for projects proposed by the other three jurisdictions which exceed jurisdictional allocations may also be considered for award of discretionary funds. In this funding cycle one project was proposed by one public utility district. After reserving funds for the high-priority Upper Cold Creek project proposed by STPUD, the remaining discretionary funds were allocated evenly among the three jurisdictions. The County of El Dorado, County of Placer and City of South Lake Tahoe each proposed large projects which could not be fully funded with the money available this year. By splitting the remaining discretionary funds, each of these jurisdictions will receive funding for overall project design and for the construction of an initial phase of each of their larger projects.

The Angora, Cascade, Hekpa, Silvertip, Beaver Street, Lake Tahoe Park, Al Tahoe/Pioneer Trail and Bijou Creek, and Rocky Point projects are being recommended for award of jurisdictional funds for site improvement projects. Discretionary funds are being recommended for award to the Woodland/Tamarack/Lonely Gulch, Silvertip, Lake Tahoe Park, Rocky Point, and Upper Cold Creek projects. Acquisition funds are being recommended for award to the Cascade, Pioneer III, Silvertip, Upper Angora Creek, Woodland/Tamarack/Lonely Gulch, Beaver Street, Lake Tahoe Park, and Rocky Point projects.

The improvements proposed for funding in this round of grants include a total of approximately 14,250 feet (2.7 miles) of rock-lined or vegetated channel; 10,550 feet (2.0 miles) of storm drains; 368,000 square feet (8.4 acres) of revegetation; 25,440 feet (4.8 miles) of curb and gutter; 11 water quality treatment and infiltration basins; and 80 sediment traps. These improvements,

TABLE 1: SUMMARY FY 97-98 FUNDING RECOMMENDATIONS

	Site Improvements		Subtotal	Acquisitions	Total
	Jurisdictional	Discretionary			
El Dorado County					
Angora	\$100,000		\$100,000		\$100,000
Cascade	\$400,200		\$400,200	\$173,350	\$573,550
Hekpa	\$608,400		\$608,400		\$608,400
Pioneer Trail III				\$52,200	\$52,200
Silvertip	\$98,900	\$95,000	\$193,900	\$22,400	\$216,300
Upper Angora Creek				\$86,350	\$86,350
Woodland/Tamarack/Lonely Gulch		\$93,000	\$93,000	\$53,600	\$146,600
Subtotals	\$1,207,500	\$188,000	\$1,395,500	\$387,900	\$1,783,400
Placer County					
Beaver Street	\$362,150		\$362,150	\$6,500	\$368,650
Lake Tahoe Park	\$294,100	\$188,000	\$482,100	\$125,000	\$607,100
Subtotals	\$656,250	\$188,000	\$844,250	\$131,500	\$975,750
City of South Lake Tahoe					
Al Tahoe/Pioneer Trail and Bijou Creek	\$562,500		\$562,500		\$562,500
Rocky Point	\$198,750	\$188,000	\$386,750	\$102,000	\$488,750
Subtotals	\$761,250	\$188,000	\$949,250	\$102,000	\$1,051,250
South Tahoe PUD					
Upper Cold Creek		\$311,000	\$311,000		\$311,000
Total	\$2,625,000	\$875,000	\$3,500,000	\$621,400	\$4,121,400

which are to be funded by this year's grants, will result in an estimated sediment reduction of 523 tons per year. Since some of the projects funded this year are only portions of the entire projects, the overall estimated sediment reduction for all of the project areas is 2,512 tons per year.

It should be noted that all the projects being recommended for funding are either specifically listed in the EIP (Cascade, Upper Angora Creek and Beaver Street) or are consistent with the objectives of the EIP. The introduction to the initial edition of the EIP recognizes that the document will be updated as new information becomes available.

IV. Award of Site Improvement Funds for Project Application Submitted by El Dorado County

A. Introduction - As noted earlier, the Conservancy allocated a total of \$1,207,500 of the funds available for soil erosion control site improvements for award to qualifying high priority projects submitted by El Dorado County.

The County submitted four final applications for new grants, two final applications for augmentations to existing grants, and one final application for acquisition of parcels for a future project. The projects are summarized briefly below and are discussed more fully in the attached project synopses.

B. Angora - The project is located on the south shore of Lake Tahoe within the Angora Creek watershed. It is located within a developed, subdivided portion of the watershed, which also includes a section of Angora Creek. The project is generally bounded by North Upper Truckee Road on the south, Sawmill Road on the east, and National Forest on the north and west. The project, which finished construction in 1997, stabilized existing sediment sources; installed sediment trapping structures within the new drainage facilities; and provided nutrient treatment of the runoff before it discharged to Angora Creek. This nutrient treatment included the diversion of urban runoff back into meadow areas where water spreads out and receives treatment from the wetland vegetation and soil micro-organisms. The County is interested in monitoring the diversion to evaluate the effectiveness of natural meadow areas in treating urban runoff and is requesting a grant augmentation in the amount of \$100,000 for this purpose. This project has a sediment reduction efficiency of 7.9 lbs./\$. When construction was completed there were not sufficient funds to cover the level of monitoring which has been determined to be desirable. The monitoring will help the Conservancy and the grantees make decisions on future proposals to use wetland areas for water quality treatment purposes, and improve the effectiveness of existing treatment areas.

C. Cascade - The project is located on the southwest shore of Lake Tahoe. The project will treat drainage from about 100 acres mostly in the Cascade Properties and Tallac Manor Subdivisions. The general boundaries are Tallac Creek to the south, State Highway 89 to the west, Cascade Creek to the north, and Lake Tahoe to the east. Private funding will be used to pay for paving the unpaved roads which will remain in private ownership. At the request of property owners, the County has set up a Zone of Benefit (which excludes the private roads) for drainage improvements and maintenance. The County is requesting \$400,200 in site improvement funds and \$173,350 in acquisition funds for the first phase of the project. These improvements, located

within the Zone of Benefit, have an estimated sediment reduction efficiency of 10.1 lbs./State \$. The proposed improvements to be constructed with Conservancy funding include approximately 2,390 feet of rock-lined channels, curb and gutter; 2,530 feet of vegetated channel; eight sediment traps; 910 feet of storm drain; 54,000 square feet of revegetation; and two water quality treatment basins.

D. Hekpa - The project is located south of Lake Tahoe approximately two miles northeast of Meyers, in the Tahoe Paradise Unit No. 1 Subdivision. The site is bounded by Pioneer Trail to the northwest, Hekpa Drive to the east, and U.S. Forest Service land to the south, encompassing a drainage area of approximately 15 acres. The County is requesting a grant of \$608,400 for site improvements. The project will stabilize cut slopes, eroding earth ditches, and road shoulders, and treat storm runoff. Proposed improvements for the project include approximately 2,600 feet of curb and gutter; 70,000 square feet of revegetation; 300 feet of rock-lined channel; 200 feet of rock slope protection; six sand traps; four drop inlets; and two water quality treatment basins. The estimated sediment reduction efficiency for the project is 8.8 lbs./State \$.

E. Pioneer Trail III - The project is located on the south shore of Lake Tahoe, along Pioneer Trail between the Trout Creek crossing and the Heavenly Valley Creek crossing. The boundaries for the project generally include Golden Bear Trail on the south, Heavenly Valley Creek on the north, and the Montgomery Estates subdivisions on the east and west. The project area also includes two small drainages within the Montgomery Estates subdivisions. The proposed project will stabilize existing sediment sources; install sediment trapping structures within the new drainage facilities; and provide nutrient treatment of runoff before it is discharged to Trout, Cold, and Heavenly Valley Creeks. The project will also include construction of approximately 2.1 miles of new bike trail along the section of Pioneer Trail within the project area, funded by Proposition 116 (Clean Air & Transportation Improvement Act) and TRPA Air Quality Mitigation funds. The Conservancy approved site improvement and acquisition grant funding for this project in 1996. During the preliminary design process additional water quality improvements were identified which will require two additional acquisitions. For this reason, the County is requesting \$52,200 in acquisition funds. The County anticipates completing the acquisitions and the design process this year and applying next year for the balance of the site improvement funds needed to construct the project in 1999.

F. Silvertip - The project is located on the west shore of Lake Tahoe, in the Meeks Bay Vista Subdivision, between State Highway 89 and Lake Tahoe just north of Silvertip Drive. The project will stabilize and treat runoff discharged under State Highway 89 which now flows across Meeks Bay Avenue and down steep slopes to the lake. Proposed improvements include three sediment traps, 320 linear feet of culverts, 180 linear feet of rock-lined channels, one sediment basin, and 17,000 square feet of revegetation. The County is requesting \$193,900 in site improvement funds and \$22,400 in acquisition funds. This project has an estimated sediment reduction efficiency of 9.4 lbs./State \$.

G. Upper Angora Creek - The project is located within the Mountain View Estates Subdivision, on the south shore of Lake Tahoe, along a section of Angora Creek between Lake Tahoe Boulevard and the Washoe Meadows State Park property line. The County will start design of the project this year (1998) with construction scheduled for next year. Anticipated construction activities include channel relocation and excavation, floodplain excavation, reconstruction or

replacement of existing culverts, and revegetation with native wetland sod and shrubs. These activities will complement the restoration and water quality efforts already implemented in the area. Since a key component of the design process will be the County's acquisition of easements on 12 privately-owned parcels along the channel alignment, the County is requesting \$86,350 in acquisition funds for this purpose.

H. Woodland/Tamarack/Lonely Gulch - This project is located in the Rubicon Bay area on the west shore of Lake Tahoe, in the vicinity of Woodland Drive, Scenic Drive, County Road 2538, Four Ring Road, Victoria Circle, and Lonely Gulch Creek. At the Woodland site, drainage conveyance structures, sand traps, curb and gutter, and a transverse drain drop inlet will be constructed. On the Tamarack site, the existing basin will be enlarged to increase its retention capacity so that it can contain the runoff from an approximate 200-year, 24-hour event for all flows draining to it, and will be landscaped to screen it from adjacent property owners and passers-by. A new riser outlet and rock spillway will also be constructed. An underground pipe leading from the basin to an outlet structure on the shore of Lake Tahoe is proposed to carry overflows that may occur during an extreme event, and will be designed to minimize both aesthetic and use impacts on these parcels. On the Lonely Gulch site it is anticipated that a combination of rock and biotechnical treatments will be used to stabilize the creek. Some regrading of the creek banks to more stable slopes is proposed. This grant will fund the initial phase of the work. The County is requesting \$93,000 in site improvement funds, and \$53,600 in acquisition funds, which will fund 1,040 feet of pipe connecting the Tamarack basin to the lakeshore, an outlet structure at the lake, and a sand trap at the pipe inlet. The overall project has a sediment reduction capacity of 11.9 lbs./State \$.

I. Recommended Award of Grants to El Dorado County - Based on the review of the applications submitted, it is staff's opinion that all the projects meet the Conservancy's eligibility and evaluation criteria and qualify for funding consideration. There are significant, visible problems at each of the sites.

The County submitted seven final applications: five applications for new projects and two applications for augmentations to existing grants. Of the seven applications two requested acquisition-only funding.

Staff ranks the Hekpa project highest in priority of the El Dorado County projects. This project was ranked higher than the other projects because it is at an advanced stage of design, with construction scheduled for the 1998 field season. In addition, the untreated runoff containing considerable amounts of sediment from eroding earthen drainage ditches and a large gully now flows into Saxon Creek, which connects to Trout Creek and ultimately drains to Lake Tahoe. Therefore, staff recommends awarding the project \$608,400 in jurisdictional funds for site improvements so that the County can complete construction of the project this year.

The Angora project follows Hekpa in priority. Site improvements were completed last year, and additional funds for monitoring are needed this year to evaluate the effectiveness of the stream environment zone's (SEZ) ability to treat urban runoff. Results of the monitoring may be used to improve the effectiveness of this and other similar treatment systems in the future. Therefore, staff recommends awarding the project \$100,000 in jurisdictional funds for site improvements so that the County may more fully assess the success of its design.

Staff ranks the Cascade project next in priority. This project was ranked lower than Hekpa and Angora since construction is not scheduled until next year. Several agencies have been working with property owners to secure funding to implement this project. The availability of Conservancy and TRPA funding at this time is important in securing funding from the property owners. This project is a high priority for TRPA and LRWQCB, and TRPA funds have already been used for design. Therefore, staff recommends awarding the project \$400,200 in jurisdictional funds for site improvements and \$173,350 in acquisition funds, so that the County can complete design and prepare for construction next year.

Staff ranks the Silvertip project next in priority. Like Cascade, the project is scheduled for construction in 1999, but planning and design and acquisition of needed easements are at a less complete stage. Since there are insufficient jurisdictional funds to cover the County's request for this project some discretionary funds must be used. Therefore, staff recommends awarding the project \$98,900 in jurisdictional funds and \$95,000 in discretionary funds (a total of \$193,900 for site improvements) and \$22,400 in acquisition funds so that the County can complete design and prepare for construction next year.

Staff ranks the Woodland/Tamarack/Lonely Gulch project last in priority this year. This project was ranked the lowest since acquisition of needed easements is in its early stages, and construction is not scheduled until the 2001 field season. However, it is still important to fund the first phase of this project this year to begin the design and land acquisition process. Since there are insufficient jurisdictional funds to cover the County's request for this project, discretionary funds must be used for site improvements. Therefore, staff recommends awarding the project \$93,000 in discretionary funds for site improvements and \$53,600 in acquisition funds.

Because the Pioneer Trail III and Upper Angora Creek projects are acquisition-only funding requests, and sufficient acquisition funds are available, they were not ranked according to priority for funding.

Accordingly, staff recommends that the Conservancy fund:

- (1) site improvements for the Angora project in the amount of \$100,000 in jurisdictional funds;
- (2) site improvements for the Cascade project in the amount of \$400,200 in jurisdictional funds and acquisitions in the amount of \$173,350;
- (3) site improvements for the Hekpa project in the amount of \$608,400 in jurisdictional funds;
- (4) acquisitions for the Pioneer Trail III project in the amount of \$52,200;
- (5) site improvements for the Silvertip project in the amounts of \$98,900 in jurisdictional funds and \$95,000 in discretionary funds, and acquisitions in the amount of \$22,400;
- (6) acquisitions for the Upper Angora Creek project in the amount of \$86,350; and
- (7) site improvements for the Woodland/Tamarack/Lonely Gulch project in the amount of \$93,000 in discretionary funds, and acquisitions in the amount of \$53,600.

V. Award of Site Improvement and Acquisition Funds for Project Applications Submitted by Placer County

A. Introduction - As noted earlier, the Conservancy allocated a total of \$656,250 of the funds available for soil erosion control site improvements for award to qualifying high priority projects submitted by Placer County.

Placer County submitted two final applications for new projects. The projects are summarized briefly below and are discussed more fully in the attached project synopses.

B. Beaver Street - The project is located on the north shore of Lake Tahoe, along the east edge of Kings Beach north of State Highway 28. The project is generally bounded on the east and west by Beaver and Fox Streets, and on the north and south by Cutthroat and Minnow Avenues. The project is generally within the Brockway Vista and the Addition to Brockway Vista Subdivisions. To reduce erosion within the project area, and to reduce the delivery of sediment and nutrients from the site to Lake Tahoe, the County proposes to stabilize conveyance of storm flows and protect road cuts and shoulders along Beaver Street by installing asphalt dike and revegetation; convey storm flows down steep slopes by installing culverts and rock-lined ditches; and infiltrate and treat flows where possible within treatment basins, or with other facilities such as deep infiltration chambers. The project will convey stormwater runoff in erosion-resistant channels, and will infiltrate runoff to the largest extent possible, given the site constraints which include steep slopes and shallow soils. The County has proposed constructing a treatment basin and an infiltration bed on three Conservancy parcels. Proposed improvements for the project include approximately 1,400 feet of asphalt or concrete curb and gutter, 1,060 feet of storm drains, seven sediment traps, 1,250 feet of rock-lined ditches, 11,700 square feet of revegetation, one water quality treatment basin, and one infiltration bed. The estimated sediment reduction efficiency is 13.0 lbs./State \$. The County is requesting \$362,150 in site improvement funds and \$6,500 in acquisition funds.

C. Lake Tahoe Park - The project is located on the west shore of Lake Tahoe, approximately two miles south of Tahoe City. The project is generally bounded to the east by State Highway 89, to the south by the William Kent Campground, and to the west and north by Tahoe Park Heights Drive. The project is generally within the Lake Tahoe Park Subdivision. To reduce sediment and nutrient delivery to Lake Tahoe, the County proposes to reconstruct and stabilize drainageways to provide more infiltration while reducing erosion during large runoff events; stabilize roadside shoulders and ditches by installing asphalt dike, concrete curb and gutter and culverts; and infiltrate and treat flows where possible with treatment basins or other facilities. Proposed improvements for the first phase of this project include approximately 3,900 feet of asphalt or concrete curb and gutter, 785 feet of storm drains, 11 sediment traps, 880 feet of rock-lined ditches, 19,120 square feet of revegetation, and one water quality treatment basin. The County is requesting \$482,100 in site improvement funds and \$125,000 in acquisition funds for this phase of the project, which has a sediment reduction efficiency of 23.7 lbs./State \$. The estimated sediment reduction efficiency of the entire project is 20.1 lbs./\$, based on the State's contribution for site improvements of \$1,789,370.

D. Recommended Award of Grants to Placer County - Based on its review of the applications submitted staff believes that the projects meet the Conservancy's eligibility and evaluation criteria and qualify for funding. Of the two Placer County projects, staff ranks the Beaver Street project higher in priority. The Beaver Street project was ranked higher than the Lake Tahoe Park project given its earlier construction date (construction is planned for the 1999 field season), the severity of erosion in the steeply-sloped project area, the availability of public lands for conveyance and treatment improvements, and the potential to complement existing Conservancy funded projects below the Beaver Street project area. Accordingly, staff recommends the award of \$362,150 in jurisdictional funds for site improvements and \$6,500 in acquisition funds for the Beaver Street project.

The Lake Tahoe Park project was ranked lower than the Beaver Street project, since acquisition of needed easements is at a less complete stage, and construction is scheduled for the 2000 and 2001 field seasons. Since there are insufficient jurisdictional funds to cover the request, discretionary funds are needed. Therefore, staff recommends awarding the project \$294,100 in jurisdictional funds and \$188,000 in discretionary funds (a total of \$482,100 for site improvements), and \$125,000 in acquisition funds so that the County can complete the project design and construct the initial phase of improvements.

Therefore, staff recommends that the Conservancy fund:

- (1) site improvements for the Beaver Street project in the amount of \$362,150 in jurisdictional funds and acquisitions in the amount of \$6,500; and
- (2) site improvements for the Lake Tahoe Park project in the amount of \$294,100 in jurisdictional funds and \$188,000 in discretionary funds and acquisitions in the amount of \$125,000.

VI. Award of Site Improvement and Acquisition Funds for Project Applications Submitted by the City of South Lake Tahoe

A. Introduction - As noted earlier, the Conservancy allocated a total of \$761,250 of the funds available for soil erosion control site improvements for award to qualifying high priority projects submitted by the City of South Lake Tahoe.

The City submitted two final applications for consideration in this funding cycle. The application for the Al Tahoe Boulevard/Pioneer Trail and Bijou Creek project is a request for an augmentation to an existing project. Rocky Point is a new project. These projects are briefly summarized below and are more fully described in the attached synopses.

B. Al Tahoe Boulevard/Pioneer Trail and Bijou Creek - The project is located on the southeast side of the City of South Lake Tahoe, in the vicinity of Bijou Creek, Pioneer Trail, and Bode, April, and Ralph Streets. This project will eliminate erosion sources by stabilizing eroding roadside ditches, shoulders, and banks. It will also revitalize degraded SEZs by introducing more water into these areas, both through surface flows and infiltration systems. The City is requesting \$562,500 in site improvement funds so that construction of the extended project can occur this year. The Conservancy has previously provided grants totalling \$2,097,900 for site improvements and acquisitions in this area. The entire project has a sediment reduction

efficiency of 7.2 lbs./State \$. This year's funding will cover the cost of an additional 4,900 feet of curb and gutter, 4,600 feet of storm drain pipe, three water quality treatment basins, four sand traps, 20 drainage inlets with sand traps, 4,700 feet of vegetated swales, 81,000 square feet of revegetation, and other improvements.

C. Rocky Point - The project is located in the City of South Lake Tahoe near the intersection of Pioneer Trail and Highway 50. The project area is generally bounded by Pine Boulevard and Highway 50 on the west, Fern Road on the north, Rocky Point Road on the east, and Larch Avenue on the south. The project has three main objectives: stabilize existing sediment sources; install sediment trapping structures within the new drainage facilities; and provide nutrient treatment of the runoff before it is discharged to Lake Tahoe. Due to the size and scope of this project, phasing will be required to fund and construct all of the improvements within this project area. This year the City is requesting site improvement funds to design and construct the first phase of this project and to complete a preliminary design for the entire project area. In addition, the City is requesting acquisition funds to acquire the property for the water quality treatment sites and associated drainage facilities. The first phase of this project will use a variety of treatments, including: 18,200 square feet of revegetation; 1,800 feet of curb and gutter; 1,300 feet of storm drain pipe; 450 feet of rock-lined channels; 11 sediment trapping structures; and two stormwater treatment basins. The City is requesting \$386,750 in site improvement funds for this project, and acquisition funds in the amount of \$102,000. The initial phase has a sediment reduction efficiency of 10.1 lbs./State \$.

D. Recommended Award of Grants to the City of South Lake Tahoe - Based on its review of the applications submitted, it is staff's opinion that both projects meet the Conservancy's eligibility and evaluation criteria and qualify for funding consideration. Significant problems which contribute sediment and nutrients into the adjacent drainages are apparent at both sites.

Staff ranks the Al Tahoe/Pioneer Trail and Bijou Creek project higher in priority of the two City projects. This project was ranked higher than the Rocky Point project because its design is nearly complete and construction is scheduled for the 1998 field season. Accordingly, staff recommends the award of \$562,500 of jurisdictional funds for site improvements for the Al Tahoe/Pioneer Trail and Bijou Creek project.

The Rocky Point project was ranked second in priority because it is a multi-phased project in its early stages of planning and design, and construction of the first phase is scheduled for the 1999 field season. Because there are insufficient jurisdictional funds to cover the funding requested for the two City projects, discretionary funds are also needed. Therefore, staff recommends awarding the project \$198,750 in jurisdictional funds and \$188,000 in discretionary funds (a total of \$386,750 for site improvements) and \$102,000 in acquisition funds, so that the City can complete design and prepare for construction next year.

Therefore, staff recommends that the Conservancy fund:

- (1) site improvements for the Al Tahoe Boulevard/Pioneer Trail and Bijou Creek project in the amount of \$562,500 in jurisdictional funds; and
- (2) site improvements for the Rocky Point project in the amounts of \$198,750 in jurisdictional funds and \$188,000 in discretionary funds, and acquisitions in the amount of \$102,000.

VII. Award of Site Improvement Funds for the Project Application Submitted by the South Tahoe Public Utility District

A. Introduction - Funds for projects proposed by the PUDs are awarded to the best qualifying applications on a discretionary and competitive basis. STPUD was the only public utility district to submit an application in this funding cycle. The project is summarized briefly below and is discussed more fully in the attached project synopsis.

B. Upper Cold Creek - The project is located on the northeast side of Cold Creek, east of Pioneer Trail. The project proposes to reduce erosion by eliminating and revegetating most of the access road, revegetating bare cutbanks above the road and the reservoir, and by installing cross-drains (rock-lined ditches) to intercept water running down the road and route it to Cold Creek in a non-erosive manner. The buildings and structures at the filter plant and reservoir sites will be removed, except for the small booster pump unit which is still needed. A small parking area will be provided near Pioneer Trail to continue to provide access to recreational users of this site. A narrower portion of the existing road will be left in place to provide access for hikers and mountain bikers, and for maintenance of STPUD facilities. The excess fill around the buildings, beyond what is needed for access, will be removed. A small flow will continue to be routed into the former reservoir site to maintain the wetland vegetation, but the above-ground structures (such as concrete headwalls and valve stems) will be removed to improve the site's appearance. Improvements include 165 feet of rock-lined channels and 90,000 square feet of revegetation. STPUD is requesting \$311,000 in site improvement funds for this project, which has an estimated sediment reduction efficiency of 8.1 lbs./State \$.

C. Recommended Award of a Grant to STPUD - The Upper Cold Creek project was considered to be of immediate concern because of the severity of erosion on the site and its close proximity to Cold Creek. The creek is within 20-50 feet of an eroding access road. Construction of the project is scheduled for 1999.

Therefore, staff recommends the award of \$311,000 in discretionary funds for site improvements for the Upper Cold Creek project.

VIII. Implementation of the Grants

If the staff recommendation is approved, implementation of the projects will be governed by standard grant agreements entered into by the Conservancy and the individual grantees. As in recent agreements, the new grants will provide for advances of up to 90% for design, administration, and construction, subject to meeting certain requirements.

Site improvement grants must be executed by the end of this fiscal year (June 30, 1998) pursuant to program deadlines. An existing General Fund appropriation will be encumbered for the land acquisition grants. Additionally, it should be noted that the lists of parcels and the project budgets and schedules in the project synopses are preliminary. Final project design may alter the need for the acquisition of particular parcels or the allocation of funds between major budget items. However, such changes will not exceed the total amount awarded in the grant. Any remaining funds in site improvement projects will be used, if necessary, to extend improvements to adjoining areas.

Pursuant to a previous board action, staff is providing notice of our intent to issue licenses for the use of a number of Conservancy parcels for erosion control improvements. The affected parcels are listed in the exhibits in the attached project synopses.

Exhibit 1 1998 Erosion Control Project Location Map

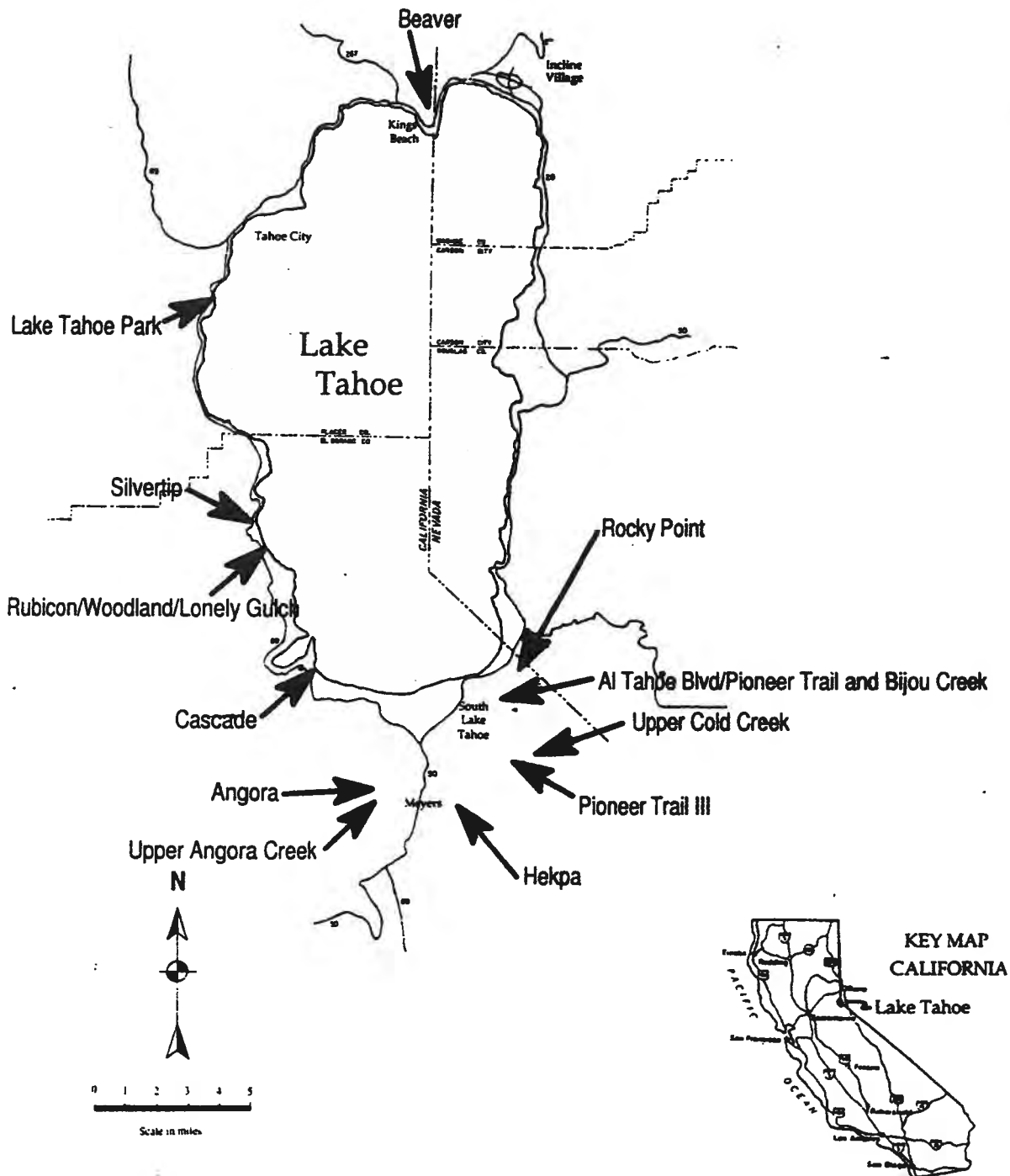


EXHIBIT B

**Cascade, Silvertip, Upper Angora Creek and
Woodland/Tamarack/Lonely Gulch
ACQUISITION SCHEDULE**

Cascade

<u>Activity</u>	<u>Date</u>
Request Appraisals	August 1998
Submit Appraisals and Preliminary Title Reports to CTC	September 1998
CTC Approval of Appraisals and Preliminary Title Reports	October 1998
Negotiation and Agreement of Sales	November 1998
CTC Approval of Instruments of Conveyance, Escrow Instructions and Purchase Agreements	December 1998
Close of Escrow	January 1999
Final Date for Submittal of Acquisition Invoices	May 1, 2000

Silvertip

<u>Activity</u>	<u>Date</u>
Request Appraisals	April 1998
Submit Appraisals and Preliminary Title Reports to CTC	May 1998
CTC Approval of Appraisals and Preliminary Title Reports	July 1998
Negotiation and Agreement of Sales	August 1998
CTC Approval of Instruments of Conveyance, Escrow Instructions and Purchase Agreements	October 1998
Close of Escrow	November 1998
Final Date for Submittal of Acquisition Invoices	May 1, 2000

Upper Angora Creek

<u>Activity</u>	<u>Date</u>
Request Preliminary Title Reports	May 1998
Request Appraisals	June 1998
Submit Appraisals and Preliminary Title Reports to CTC	July 1998
CTC Approval of Appraisals and Preliminary Title Reports	September 1998
Negotiation and Agreement of Sales	October 1998
CTC Approval of Instruments of Conveyance, Escrow Instructions and Purchase Agreements	December 1998
Close of Escrow	January 1999
Final Date for Submittal of Acquisition Invoices	May 1, 2000

Woodland/Tamarack/Lonely Gulch

<u>Activity</u>	<u>Date</u>
Request Preliminary Title Reports	November 1998
Request Appraisals	December 1998
Submit Appraisals and Preliminary Title Reports to CTC	January 1999
CTC Approval of Appraisals and Preliminary Title Reports	March 1999
Negotiation and Agreement of Sales	October 1999
CTC Approval of Instruments of Conveyance, Escrow Instructions and Purchase Agreements	December 1999
Close of Escrow	February 2000
Final Date for Submittal of Acquisition Invoices	May 1, 2000

Exhibit C

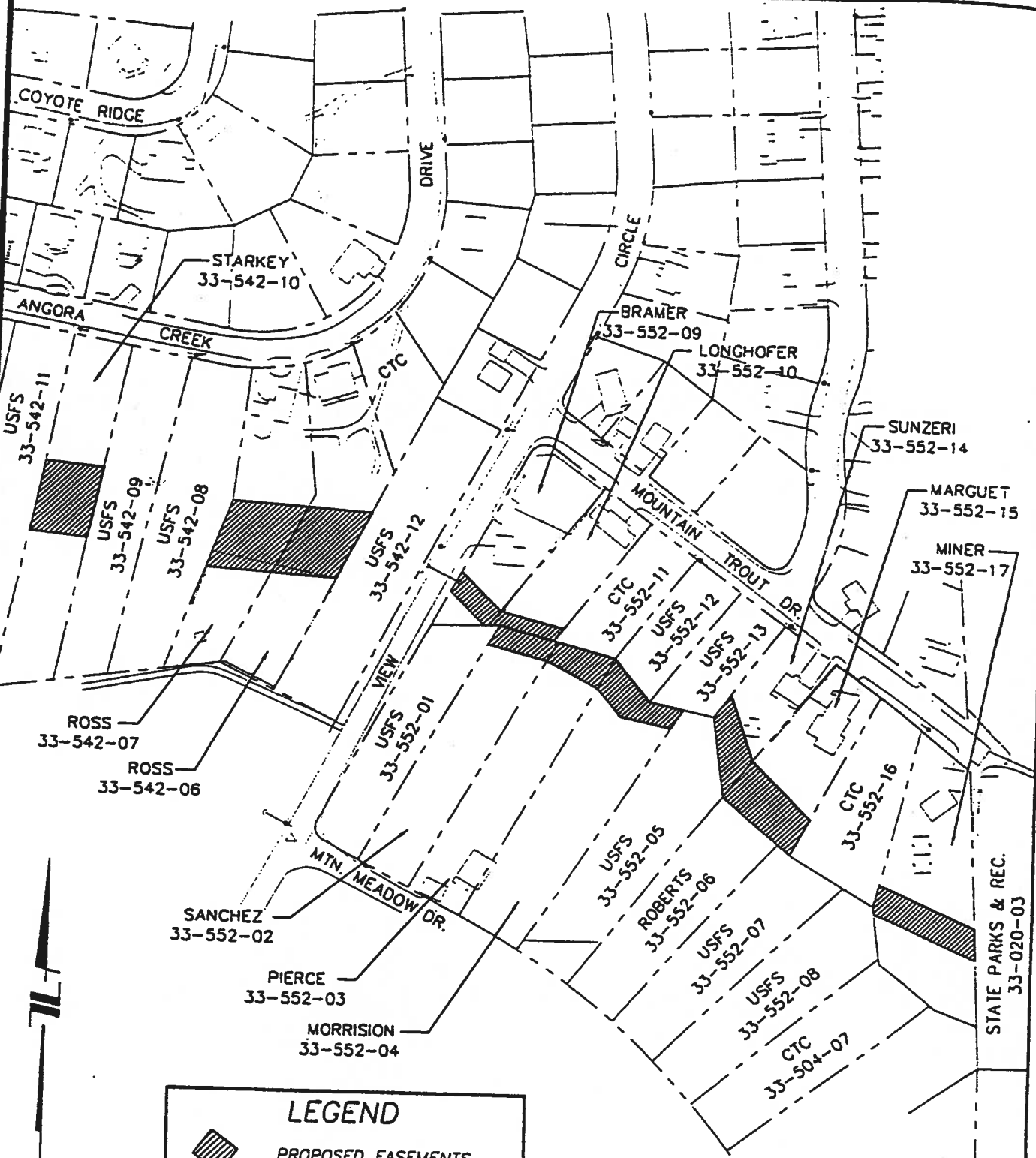
List of Assurances

(For Acquisition Agreements)


By entering into the foregoing Agreement the applicant assures and certifies that it will comply with Conservancy regulations, policies, guidelines, conditions, and requirements as they relate to the acceptance and use of Conservancy funds for this project. Also, the applicant gives assurance and certifies with respect to the grant that:

1. It possesses legal authority to apply for and receive the grant funds, and to finance and construct the proposed facilities; that where appropriate, a resolution, motion or similar action has been duly adopted or passed as an official act of the applicant's governing body, authorizing the filing of the application, including all understandings and assurances contained therein, and directing and authorizing the person identified as the official representative of the applicant to act in connection with the application and to provide such additional information as may be required.
2. It will manage the project to ensure its completion according to the Project Schedule.
3. It will obtain sufficient funds to complete the Project, over and above the portion borne by the Conservancy and, when the Project is completed, to assure the effective operation and maintenance of the facility for the purposes of the Conservancy grant.
4. It will notify the Conservancy's Executive Officer if funds are obtained for Project site improvements from any source other than the Conservancy, and, when plans and specifications for such site improvements are prepared, shall submit such plans and specifications to the Conservancy's Executive Officer for review.
5. It will not dispose of or encumber its title or other interests in the site and facilities except as permitted by the Conservancy in writing.
6. It will give the Conservancy, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the grant.
7. It will, where appropriate, comply with the requirements of the State's Braithwaite Act (Chapter 1574, Statutes of 1971 and related statutes), which provides for fair and equitable treatment of displaced persons.
8. It will comply with the applicable requirements of the California Environmental Quality Act.

MATCH LINE
SEE FIGURE C-1



LEGEND

 PROPOSED EASEMENTS

SCALE: 1" = 200'

DORADO COUNTY
FISH LAKE TAHOE OFFICE

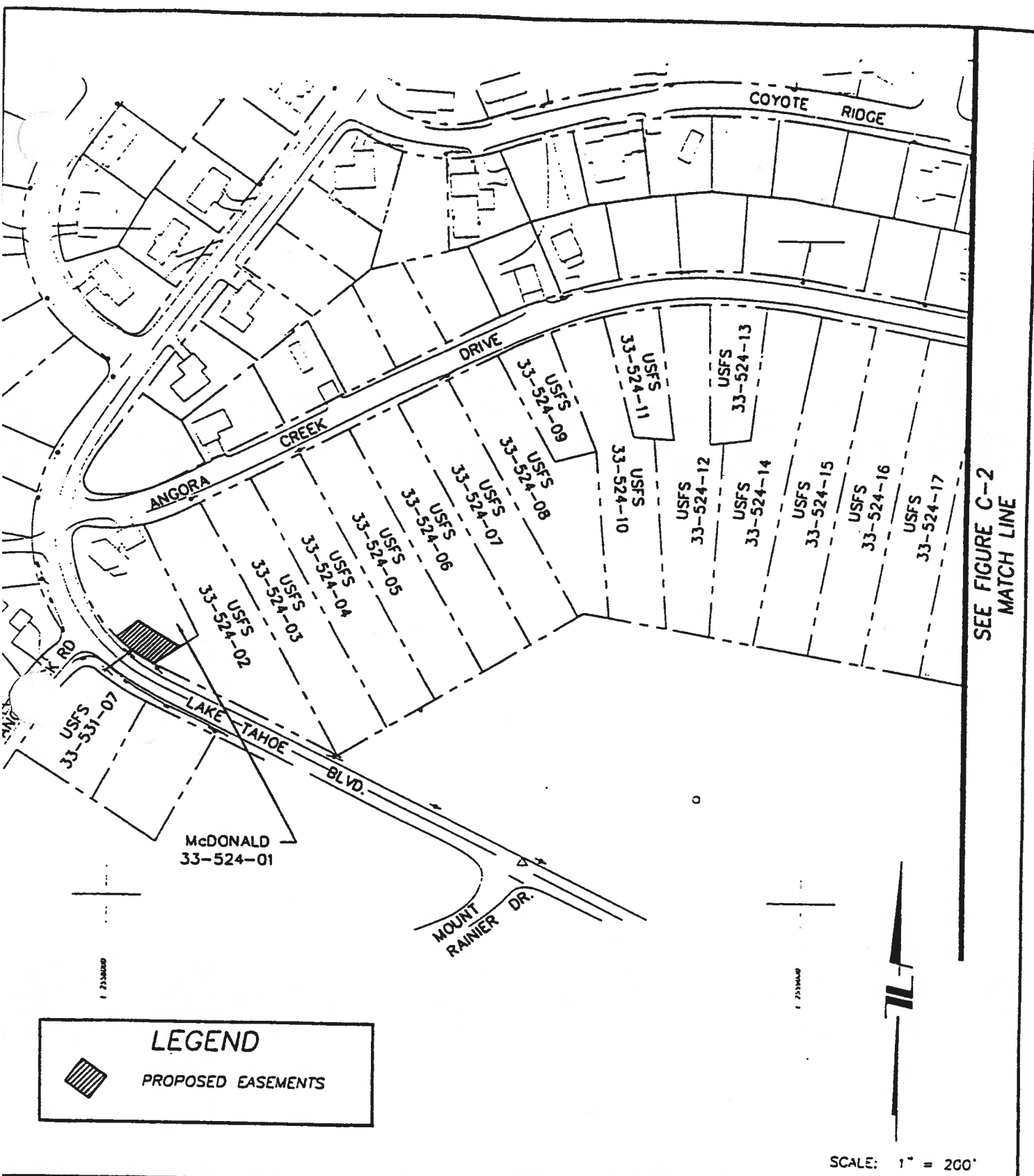


1998 CTC GRANT APPLICATION
ANGORA CREEK SEZ RESTORATION PROJECT
PROPERTY ACQUISITION AND
PUBLIC OWNERSHIP MAP

FIGURE


C-2

DATE: 12/97	PROJECT NO.: 95147	BY: ALD
-------------	--------------------	---------



SEE FIGURE C-2
MATCH LINE

LEGEND

 PROPOSED EASEMENTS

SCALE: 1" = 200'

EL DORADO COUNTY
LAKE TAHOE OFFICE



1998 CTC GRANT APPLICATION
ANGORA CREEK SEZ RESTORATION PROJECT
PROPERTY ACQUISITION AND
PUBLIC OWNERSHIP MAP

FIGURE

C-1

DATE: 12/97	PROJECT NO.: 95147	BY: ALD
-------------	--------------------	---------

Exhibit E

Model Deed Language

SUBJECT to a right of entry by the STATE OF CALIFORNIA ("State") in the event that any essential term or condition of that certain grant agreement for the acquisition of real property, No. _____ entered into between State, acting by and through the California Tahoe Conservancy and _____ (jurisdiction) on _____, 19____, is violated. Exercise of said right of entry shall be by State's recordation of a notice of the default of _____ (jurisdiction) under said agreement, and shall have the effect of vesting full _____ (jurisdiction) title to the hereinabove described real property in State at the expiration of thirty (30) days from the recordation of said notice.

The right of entry created herein is subject to the provisions of California Civil Code Section 885.010 - 885.070, and shall be construed in accordance with said provisions (or successor statutes).

REQUEST FOR DISBURSEMENT TO GRANTEE FOR ACQUISITION EXPENSES

Invoice No. _____ *

(State Controller: Please enter this number on the remittance advice.)

TO: California Tahoe Conservancy
P.O. Box 7758/2161 Lake Tahoe Blvd.
South Lake Tahoe, CA 95731

Date of this request:		Contract No.:	
Project Title:			
Name of Grantee (local government entity):			
Contact Person:		Phone No.:	
Street Address or P.O. Box:			
City:		State:	Zip:
Amount:			

If there are any questions regarding the completion of this form please call your Conservancy Project Manager at (916) 542-5580.

Grantee Project Coordinator



(disgrt.doc)
CTC-5 (6/86)

*Use the four digits of the Conservancy contract number followed by a hyphen and the number of this invoice (e.g., 9070-1)

REQUEST FOR DISBURSEMENT TO GRANTEE FOR ACQUISITION EXPENSES

Detail of Costs Payable to Grantee

Invoice No. _____

List each APN with detail of costs and total amount for each parcel and total amount this request. If more than five parcels are being invoiced, copy this page only and use for additional parcels.

APN	Service(s) Provided	Amount
		Total:
		Total:
		Total:
		Total:
		Total:
		Total:

Total Amount Requested (must match amount on front of this form):

Budget Status Summary

Approved Budget	Total Previous Charges	Balance After Previous Invoice	Total Charges this Invoice

Grantee DO NOT WRITE BELOW THIS LINE. FOR CONSERVANCY USE.

CTC Accounting Code: _____ Data Entry: _____

Object Code: _____

Item: _____ Appropriation: _____

REQUEST FOR DISBURSEMENT TO GRANTEE FOR ACQUISITION EXPENSES

Cost Breakdown for Grantee Labor Charges This Period

Invoice No. _____

Employee	Labor Class	\$/hr	X	Hours	=	Amount
----------	-------------	-------	---	-------	---	--------

TOTAL

\$ _____

REQUEST FOR DISBURSEMENT TO ESCROW ACCOUNT
FOR ACQUISITION EXPENSES

Invoice No. _____ *

(State Controller: Please enter this number on the remittance advice.)

TO: California Tahoe Conservancy
P.O. Box 7758/2161 Lake Tahoe Blvd.
South Lake Tahoe, CA 95731

Date of this request:		Contract No.:	
Project Title:			
Name of Grantee (local government entity):			
Contact Person:		Phone No.:	
Street Address or P.O. Box:			
City:		State:	Zip:

The following copies of documents must be attached for each parcel in order for the Conservancy to process this request:

1. Appraisal(s)
2. Preliminary title report(s)
3. Agreement(s) for purchase and sale
4. Escrow instructions
5. Deed(s) or other instruments of conveyance

Amount:	
Payable to (title company):	
Street Address or P.O. Box:	
City:	
State:	Zip:

If there are any questions regarding the completion of this form please call your Conservancy Project Manager at 916) 542-5580.

Grantee Project Coordinator

REQUEST FOR DISBURSEMENT TO ESCROW ACCOUNT
FOR ACQUISITION EXPENSES

DETAILS OF COSTS PAYABLE TO ESCROW

Invoice No. _____

List each APN with detail of costs and total amount for each parcel and total amount this request. If more than five parcels are being entered into escrow, copy this page only and use for additional parcels.

APN	Service(s) Provided	Amount
		Total:
		Total:
		Total:
		Total:
		Total:

Total Amount Requested (must match amount on front of this form):

Budget Status Summary

Approved Budget	Total Previous Charges	Balance After Previous Invoice	Total Charges this Invoice

Grantee DO NOT WRITE BELOW THIS LINE. FOR CONSERVANCY USE.

CTC Accounting Code: _____ Date Entry: _____

Object Code: _____

Item: _____ Appropriation: _____

WOODLAND/TAMARACK/LONELY GULCH EROSION CONTROL PROJECT

PROJECT SYNOPSIS

April 24, 1998

APPLICANT:

El Dorado County

LOCATION:

In the Rubicon Bay area on west shore area of Lake Tahoe, in the vicinity of Woodland Drive, Scenic Drive, County Road 2538, Four Ring Road, Victoria Circle, and Lonely Gulch Creek (Exhibit 1).

TOTAL PROJECT COST: \$1,338,000

AMOUNT REQUESTED FROM CONSERVANCY:

Site improvements:	\$ 93,000
Land acquisitions:	\$ 53,600

AMOUNT RECOMMENDED:

Site improvements:	\$ 93,000
Land acquisitions:	\$ 53,600

PROBLEM DESCRIPTION:

This project has three major problem areas -- Woodland, Tamarack, and Lonely Gulch Creek. The Woodland area is the uppermost site. The topography in the Rubicon area is very steep. Consequently the roads and drainage ditches are steeply sloping and prone to high erosion rates. In addition, the roads are heavily sanded in winter. A portion of the runoff from the west side of Woodland Drive and the runoff from a very steep rock-lined channel between Manzanita Drive and Woodland Drive is conveyed in an asphalt swale to an undersized 12-inch culvert which discharges onto private property outside of an existing drainage easement. There is evidence of erosion at the culvert outlet and east of the outlet. Because this culvert has inadequate capacity, water overflows across Woodland Drive to the southern shoulder of County Road 2538. When these uncontrolled flows meet with flows from the east side of Woodland Drive, along the County Road 2538 shoulder, erosion occurs. Flows from the 12-inch culvert eventually discharge uncontrolled across Scenic Drive near an existing drainage easement. Erosion and sediment deposition are evident at this location. These flows eventually discharge to Highway 89 from which they are conveyed to the Tamarack basin.

During the January 1998 rain-on-snow event (which produced the largest flows ever recorded on several streams in the Tahoe Basin) the Tamarack basin overflowed, which caused some erosion downstream and a discharge of sediment into Lake Tahoe. The experience of this extraordinary storm revealed the need to expand the basin to accommodate additional flows and to prevent erosion downstream of the basin.

The third site is located along Lonely Gulch Creek, primarily between Victoria Drive and Lake Tahoe. This area suffered severe erosion during the winter of 1996-97, particularly during the January event. Prior to 1997, there was less than a two-foot drop at the outlet of the 48-inch culvert which crosses Victoria Drive near Victoria Circle. Now the drop is greater than five feet. Numerous large trees were lost as the creek banks caved in. The foundation of a cabin near the creek could be undermined. A rock-lined channel constructed by the County in 1992 is now perched about five feet above the creek, since the creek has eroded. Steep, overhanging banks now exist, and the risk of further erosion is great. The eroded soil discharges into Lake Tahoe a few hundred feet downstream.

PROJECT DESCRIPTION:

The problems on the Woodland site will be addressed by installing drainage conveyance structures, sand traps and other improvements. To ensure that flows from the northwest portion of Woodland Drive reach the proposed sand traps and the proposed downstream conveyance improvements, a drop inlet with a transverse drain will be constructed upslope from the existing paved swale. Flows from the proposed drop inlet/transverse drain will be conveyed in a culvert under the paved swale and outlet into a sand trap at the downstream end of the paved swale. Flows from the steep rock-lined channel originating from Manzanita Drive above Woodland Drive will pass through one of the proposed sand traps before discharging into the paved swale. Other improvements in this area include a continuous new culvert leading to Scenic Drive, curb and gutter along the west wide of Scenic Drive, and a new drop inlet and sand trap on the east side of Scenic Drive.

The existing basin on the Tamarack site will form the foundation of the new project and take advantage of the previous work. The basin will be enlarged, and a new riser outlet and rock spillway will be constructed. The basin will be enlarged by raising the elevation of the existing berms, adding new berms, and excavating the basin bottom. These modifications will be designed to increase the retention capacity of the basin so that it can contain the runoff from a greater than 100-year event for all flows draining to the basin. An underground pipe leading from the basin to an outlet structure on the shore of Lake Tahoe is proposed to carry overflows that may occur during an extreme event. This pipeline is proposed to be installed along the property line between two private parcels (APN 17-021-17 and 17-021-01) after acquisition of appropriate drainage easements. The pipe and outlet will be designed to minimize aesthetic impacts on these parcels. In addition, the enlarged basin will be landscaped to screen it from adjacent property owners and passers-by. Basin berms will be planted with sod and plants. All disturbed areas will be revegetated.

On the Lonely Gulch site, the owners of the undermined cabin are taking temporary measures to reinforce the bank to protect their cabin. However, the extent of the problem is too great for the property owners to solve individually. Therefore, the County is proposing a partnership with the owners to allow the County to construct the improvements and the owners to maintain them or contribute funds for their maintenance. The County will obtain easements for any work on private lands and will be ultimately responsible for maintenance. It is anticipated that a combination of rock and biotechnical treatments will be used to stabilize the creek. Some regrading of the creek banks to more stable slopes is proposed. The final treatment will be determined during the design process.

Exhibit 2 shows the locations of the proposed improvements. Exhibit 3 shows the proposed budget for site improvements.

Drainage easement acquisition needs have been identified on ten parcels (Exhibit 4). In the Woodland and Tamarack areas six easements are needed so that continuous drainage improvements can be constructed from Woodland Drive to the lakeshore. On the Lonely Gulch site four easements are needed in order to stabilize banks along the creek. The County is pursuing donations of easements where feasible. Exhibit 5 shows the proposed budget for acquisitions. This budget includes only expenses for preliminary acquisition activities (preliminary title reports, surveying, negotiation, and administration). When the actual acquisition costs are agreed to, the County will apply for a supplemental acquisition grant. Exhibit 6 contains the proposed schedule for both acquisitions and site improvements.

Because of limited funding availability at the present time and competing needs for other high priority projects, it is anticipated that this project will be funded over several funding cycles. The portion to be funded with this year's grant ("CTC 98" column in Exhibit 3) includes a culvert from the Tamarack basin's emergency spillway to a new sand trap, a pipe connecting the sand trap to an outlet structure at the lakeshore (a total of 1,040 linear feet of pipe), and the outlet structure itself. These improvements will address the immediate problem of overflows from major storms discharging across private property and into the lake. The following improvements are proposed to be funded in FY 98-99: enlarge the Tamarack basin, construct a larger overflow spillway, modify the existing riser and outlet pipe to fit the new spillway, and construct a new sand trap connected to the modified outlet pipe. Improvements proposed to be funded in FY 99-00 include the channel work below the two Highway 89 culverts. In FY 00-01, the Woodland and Lonely Gulch Creek improvements would be funded. This funding proposal is based on the assumption that the County will receive from the Conservancy its customary annual jurisdictional allocation for erosion control projects (\$690,000) after next year (after the supplementary grant funds from Proposition 204 have been expended). If a higher level of funding becomes available before FY 00-01, or if future weather extremes indicate an urgent need to implement portions of projects sooner, the above scheduled may be foreshortened. As with all phased grants, the board will need to approve future phases of the project.

It should be noted that the budget, schedule, and acquisition needs shown in the exhibits are preliminary. Adjustments may be made during the design process. Any changes during design will be consistent with the purposes of the grant.

CONSISTENCY WITH CRITERIA:

Significant and documentable benefit to Lake Tahoe water quality

This project will address some serious remaining problems in the Rubicon Bay area. The Rubicon area was singled out as a worst case example of erosion problems caused by poorly planned subdivisions on steep, fragile soils on slopes directly above Lake Tahoe. In 1982 the Lahontan Regional Water Quality Control Board (LRWQCB) issued an order requiring the County to cease and desist the discharge and threatened discharge of soil from the Rubicon area to the waters of the Lake Tahoe Basin. Following the order, the County implemented a series of projects in this area. These projects were primarily funded by LRWQCB. Because these projects were in the process of being implemented when the Conservancy's "A Report on Soil Erosion Control Needs and Projects in the Lake Tahoe Basin" was prepared, this area was not included. Later, however, the Woodland and Tamarack sub-areas were omitted from the Rubicon projects because of right-of-way issues.

The heavy winters of 1994-95, 1995-96, 1996-97, and in particular the record runoff event of January 1997, have demonstrated the need for the additional work to address the remaining problems. The visual evidence of problems is very clear on the Tamarack and Lonely Gulch sites. At Tamarack fresh gully erosion is evident leading into the large basin from the two culverts which were not included in the original design. There are large piles of fresh sediment at the base of these gullies. There is also visual evidence that the capacity of the basin was exceeded during the January event, causing erosion damage downstream and deposition of sediment into Lake Tahoe, approximately 700 feet to the east. On the Lonely Gulch site, several feet of bed and bank scour occurred at several points along the creek, particularly just below Victoria Drive and opposite APN 16-390-05. The eroded material is carried into Lake Tahoe which is about 250 feet downstream. Without remedial action, the banks will remain unstable for many years to come causing continuing sediment discharges to the lake and threats to developed properties.

On the Woodland site the problems are less serious than on the other two sites. However, because the drainage system is discontinuous (e.g., going from roadside ditches or curb and gutter to uncontrolled flows across steep terrain, then across streets), and because the flows eventually end up on the Tamarack site, there is a clear need to address the problems. Drainage improvements on the Woodland site will reduce the sediment and nutrient discharges to the Tamarack basin.

Data in the Tahoe Regional Planning Agency's (TRPA) Lake Tahoe Basin Water Quality Plan (208 Plan) shows that water flowing down earthen channels at high velocities scours soil particles from the sides of the channels. Earthen channels typically begin to erode when water velocities reach two to four feet per second. Such velocities are common during major storm events.

Installation of curb and gutter reduces erosion by providing a nonerodible surface for the concentrated runoff along roadsides to flow across and prevents snowplows and other vehicles from disturbing the road surface and road shoulders. Drainage improvements such as rock lining will reduce erosion by reducing the velocity of runoff. According to standard engineering principles, if the flow velocity is reduced from four ft./sec. to two ft./sec., the erosive potential will be reduced by a factor of four.

Adequacy of design

The Woodland and Tamarack portions of the project include proven erosion control measures including rock-lined channels, curb and gutter, storm drainpipe, and a sedimentation basin. The storage capacity of the basin will be substantially increased by a combination of building up the berm on the downstream side and excavating portions of the existing basin bottom. This approach is the most cost-effective means for increasing the sediment-trapping efficiency of the basin and also the water storage and percolation capacity. Excavation is proposed in addition to berming to create material to build the berm, and to avoid having to construct a berm that is excessively tall and wide (which could be unsightly and may require too much space).

On the Lonely Gulch site, geomorphic stream processes will be considered in the design, and biotechnical and vegetative approaches to streambank stabilization will be incorporated where feasible.

Cost-effectiveness

The overall project has an estimated sediment reduction efficiency of 11.9 lbs./\$ and the initial phase has an estimated sediment reduction efficiency of 16.7 lbs./\$. These are above the minimum efficiency required for eligibility under this grant program. Enlarging the existing Tamarack basin by building up the berm is a very cost-effective method for increasing the sediment reduction efficiency of this project. With a relatively small investment, the holding capacity of the basin will be substantially increased.

Implementability

Acquisition of a number of drainage easements is required to implement this project. Additional funding is also required. However, because there is a demonstrated need to address the problems in this area, and the project is generally supported by the affected property owners, it is expected to be implementable within the time period proposed. Phase I of this project can be constructed as a stand-alone project if additional funding is not available.

Support

This project is supported by the staffs of LRWQCB and TRPA.

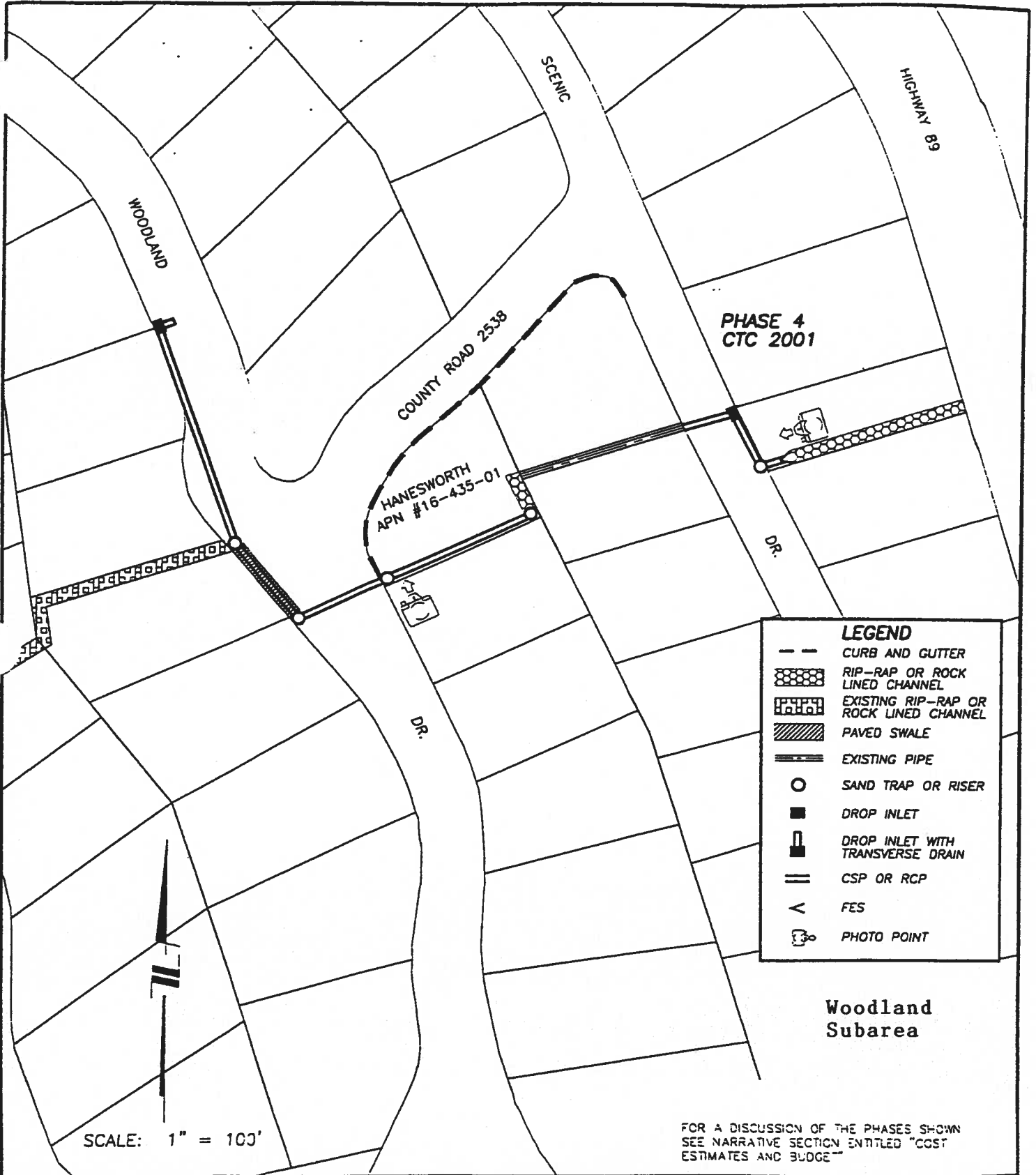
CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) COMPLIANCE:

El Dorado County has prepared a Negative Declaration for the project. The County has determined that this project will not have a significant effect on the environment, and has filed a Notice of Determination with the State Clearinghouse (Exhibit 7).

In accordance with Section 15096 of the State CEQA Guidelines, the Conservancy is required to consider the environmental effects of a project as shown in a Negative Declaration prior to reaching a decision on this project. A copy of the Negative Declaration, which has been reviewed by staff, is attached to Exhibit 7. Based upon the contents of the Initial Study, the comments received, and on an analysis completed by the Department of General Services' Real Estate Services Division, it is staff's opinion that there is no substantial evidence that the project, with the mitigation measures that have been incorporated into it by El Dorado County, will have a significant effect on the environment. Consequently, if this project is approved, and the board makes a finding that the project will have no significant effect on the environment, staff will file a Notice of Determination with the State Clearinghouse in accordance with Section 15096 of the State CEQA Guidelines (Exhibit 8).

RECOMMENDATION:

Because this project will have a significant benefit to Lake Tahoe water quality and will begin the design and acquisition process to address serious problems of immediate concern, staff recommends approval of a site improvement grant of \$93,000 and an acquisition grant of \$53,600. Staff recommends that this project be considered for additional site improvement and acquisition funding at a later date when more money becomes available.



EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



1998 CTC GRANT APPLICATION
WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT
PROPOSED SITE IMPROVEMENTS AND
PHOTO MONITORING POINTS

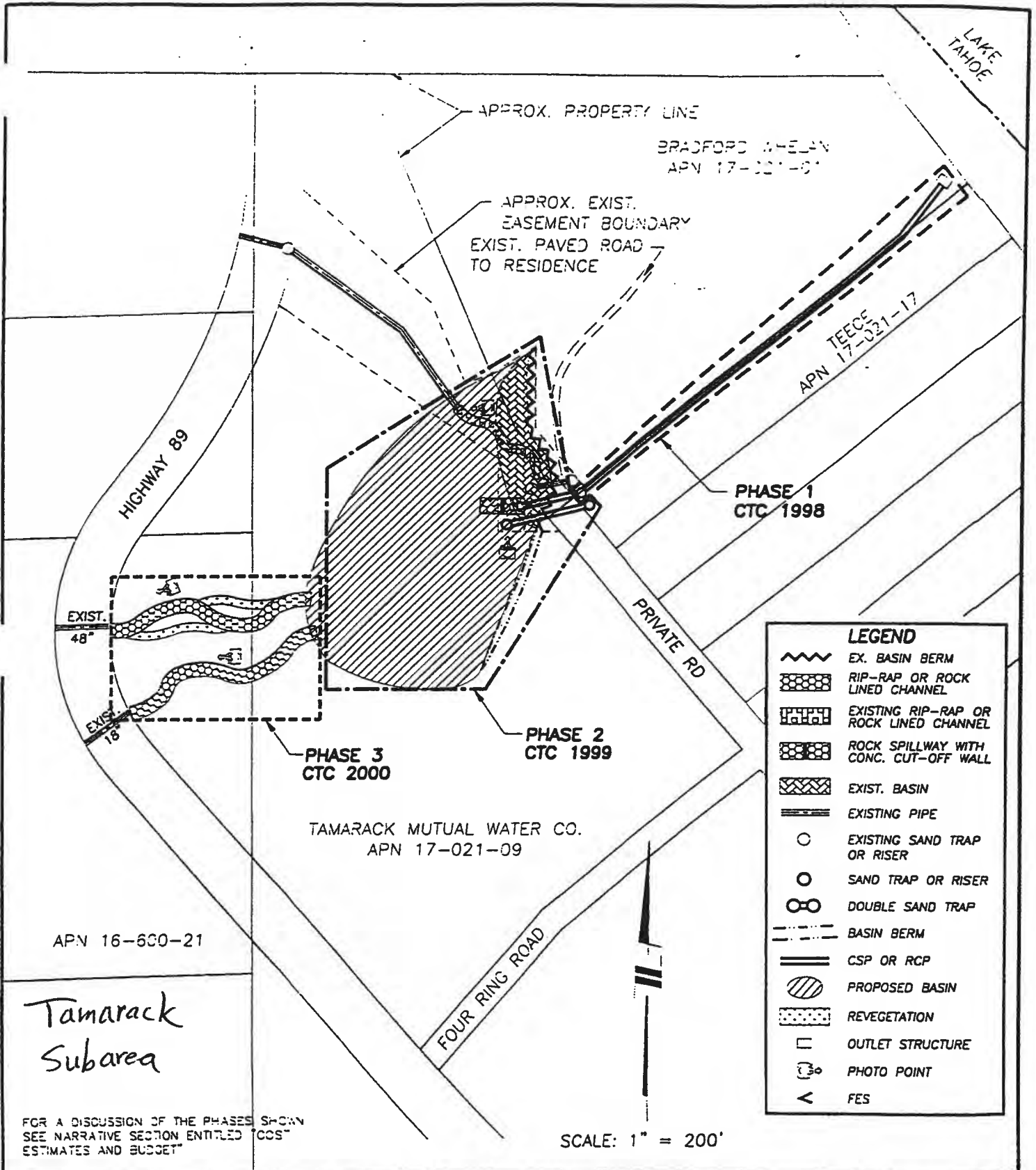
FIGURE

D-2

DATE: 1/98

PROJECT NO.: 95145

BY: JG



EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



1998 CTC GRANT APPLICATION
WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT
PROPOSED SITE IMPROVEMENTS
AND PHOTO MONITORING POINTS

FIGURE

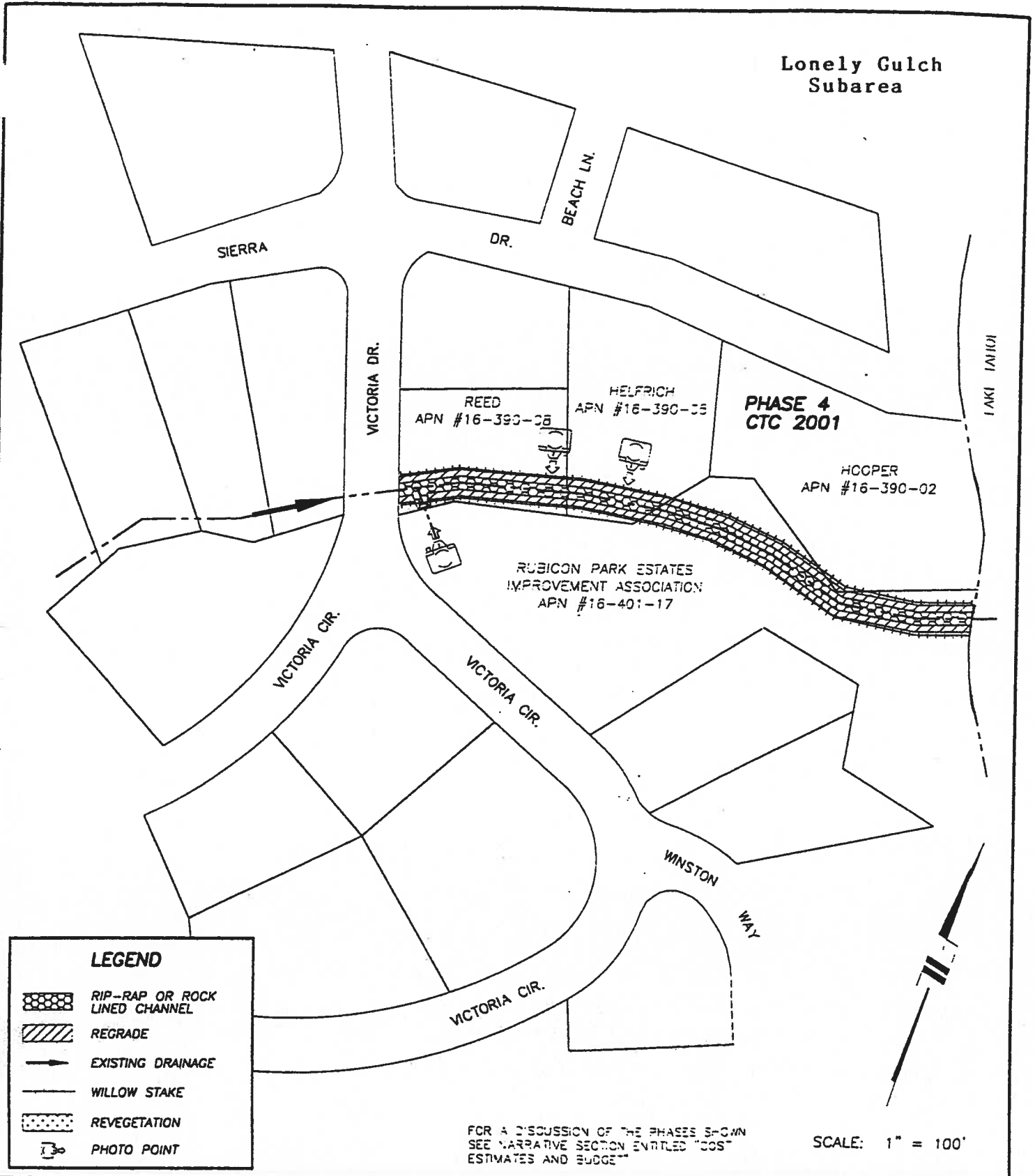
D-3

DATE: 1/98







PROJECT NO.: 9545

EY: JG

Lonely Gulch
Subarea



LEGEND

-  RIP-RAP OR ROCK LINED CHANNEL
-  REGRADE
-  EXISTING DRAINAGE
-  WILLOW STAKE
-  REVEGETATION
-  PHOTO POINT

FOR A DISCUSSION OF THE PHASES SHOWN
SEE NARRATIVE SECTION ENTITLED "COS"
ESTIMATES AND BUDGE"

SCALE: 1" = 100'

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



1998 CTC GRANT APPLICATION
WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT
PROPOSED SITE IMPROVEMENTS AND
PHOTO MONITORING POINTS

FIGURE

D-1

DATE: 1/98

PROJECT NO.: 95145

BY: JG

WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT
CONSTRUCTION COST ESTIMATE
and FUNDING DISTRIBUTION

ITEM NO.	DESCRIPTION	QUAN	UNIT	UNIT* PRICE	TOTAL	CTC 98	CTC 99	CTC 00	CTC 01	TRPA WQ	TOTAL REVENUE
Woodland/Tamarack											
1	Mobilization and Temp. Erosion Control	1	LS	31000.00	31000.00			5000.00	12000.00	14000.00	31000.00
2	Curb & Gutter with Tie-In Pavement	430	LF	37.50	16125.00				16125.00		16125.00
3	Drop Inlet	3	EA	3300.00	9900.00				9900.00		9900.00
4	Transverse Drain	1	EA	2900.00	2900.00				2900.00		2900.00
5	Culvert (reg. slope)	1040	LF	49.00	50960.00	32830.00			6860.00	11270.00	50960.00
6	Culvert (steep slope)	470	LF	62.00	29140.00				29140.00		29140.00
7	Sand Traps (Single) or Riser	8	EA	4300.00	34400.00	4300.00	1000.00		21500.00	7600.00	34400.00
8	Paved Swale	70	LF	41.00	2870.00				2870.00		2870.00
9	Misc. Paving	1,000	SF	5.74	5740.00				5740.00		5740.00
10	Rock Channel	140	LF	66.00	9240.00				9240.00		9240.00
11	Sediment Basin	1	LS	70000.00	70000.00		70000.00				70000.00
12	Abandon Exist. S.D.	3	EA	870.00	2610.00				2610.00		2610.00
13	Grading	500	CY	67.00	33500.00			33500.00			33500.00
14	Traffic Control	1	LS	20500.00	20500.00				20500.00		20500.00
15	Revegetation	1	LS	20000.00	20000.00	2000.00	12000.00	2000.00	4000.00		20000.00
16	Rock Spillway with Concrete Cut-Off Wall	1	EA	4600.00	4600.00		4600.00				4600.00
17	S.D. Flared Ends	2	EA	220.00	440.00				220.00	220.00	440.00
18	Construction Staking	1	LS	16400.00	16400.00			1000.00	13400.00	2000.00	16400.00
19	Tree Removal	10	EA	300.00	3000.00					3000.00	3000.00
20	Outlet Structure	1	EA	10000.00	10000.00	10000.00					10000.00
21	Rock-Lined Channel w/ Step Pools	810	LF	100.00	81000.00			81000.00			81000.00
WOODLAND/TAMARACK CONSTRUCTION					454325.00	49130.00	87600.00	122500.00	157005.00	38090.00	454325.00
Lonely Gulch Creek											
1	Temporary Erosion Cont	1	LS	25000.00	25000.00				25000.00		25000.00
2	Temporary Bypass Stru	1	LS	20000.00	20000.00				20000.00		20000.00
3	Regrading	1	LS	75000.00	75000.00				75000.00		75000.00
4	Rock Work	1	LS	150000.00	150000.00				150000.00		150000.00
5	Revegetation Treatment Soil/Fabric Wrap	1	LS	130000.00	130000.00				130000.00		130000.00
LONELY GULCH CREEK CONSTRUCTION					400000.00	0.00	0.00	0.00	400000.00	0.00	400000.00
CONSTRUCTION TOTAL					854325.00	49130.00	87600.00	122500.00	557005.00	38090.00	854325.00

*unit prices are based on projected 2001 construction costs

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



1998 CTC GRANT APPLICATION
WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT

FIGURE

G

CONSTRUCTION COST ESTIMATE AND FUNDING
BREAKDOWN

09-1284.B.48

DATE Dec-97 WO # 95145 BY LAM

BUDGET SUMMARY

EXHIBIT 3
(2 of 2)

EXPENDITURES

	FY 97-98	FY 98-99	FY 99-00	FY 00-01	FY 01-02	FY 02-03	FY 03-04	TOTAL
Construction		61,850	112,970	122,500	557,005			854,325
Design & Admin.	22,000	37,111	63,110	63,110	126,239			311,570
Irrigation		6,009	6,200	13,000	6,300	3,800	3,791	39,100
Monitoring		750	865	1,000	1,000	500	500	4,615
Contingency		9,280	16,950	18,375	83,551			128,156
TOTAL	22,000	115,000	200,095	217,985	774,095	4,300	4,291	1,337,766

REVENUE

	CTC 98	CTC 99	CTC 00	CTC 01	TRPA WQ	USFS	TOTAL
Construction	49,130	87,600	122,500	557,005	38,090		854,325
Design & Admin.	37,111	63,110	63,110	126,239	17,100	4,900	311,570
Irrigation	6,009	6,200	13,000	13,891			39,100
Monitoring	750	865	1,500	1,500			4,615
Contingency			18,375	83,551	26,230		128,156
TOTAL	93,000	157,775	218,485	782,186	81,420	4,900	1,337,766

CTC TOTAL
93,000
157,775
218,485
782,186
1,251,446

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



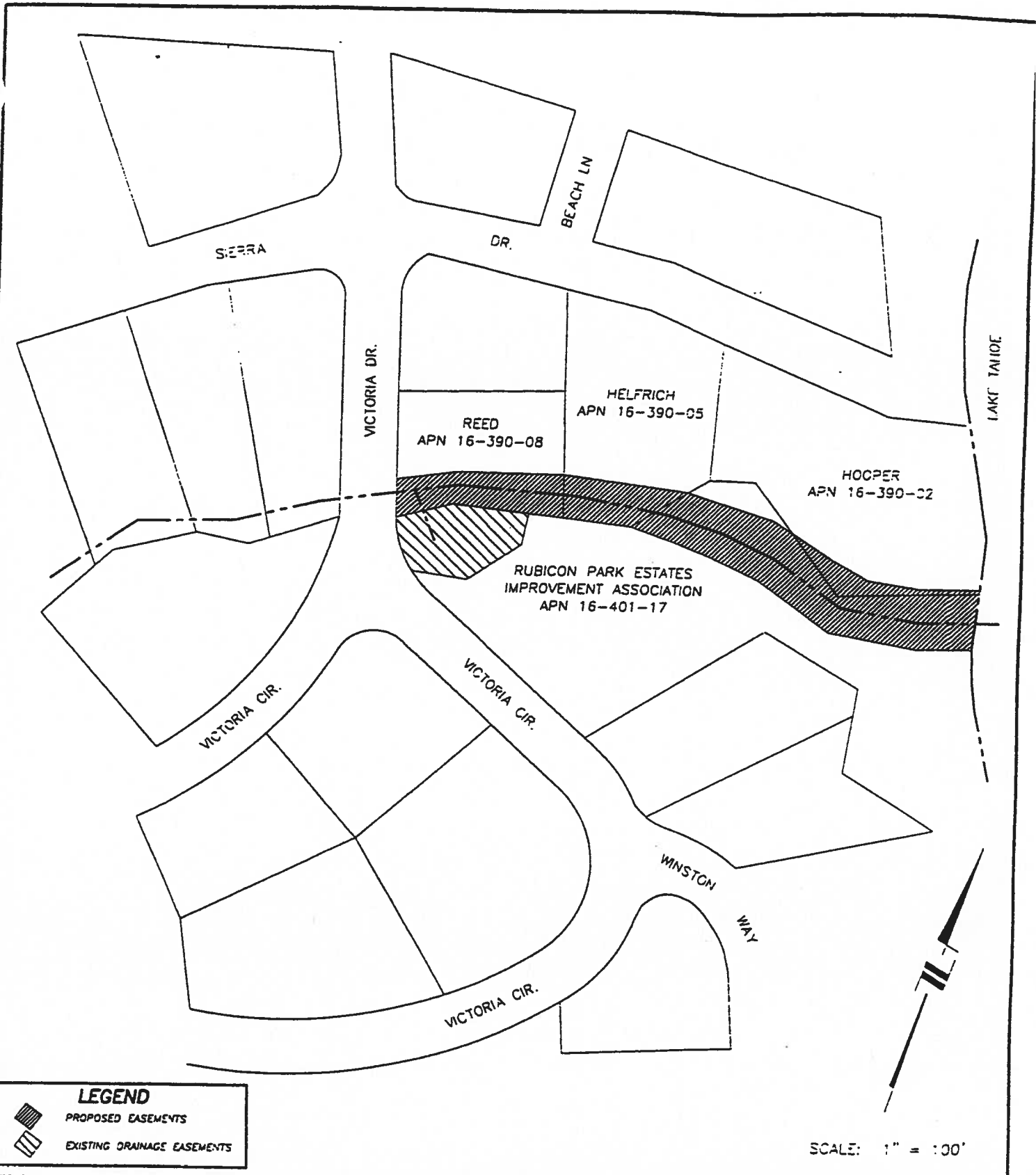
1998 CTC GRANT APPLICATION
WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT

FIGURE

H

BUDGET SUMMARY 09-1264.B.49

DATE	Dec-97	W.O #	95145	BY	LAM
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LEGEND

 PROPOSED EASEMENTS

 EXISTING DRAINAGE EASEMENTS

SCALE: 1" = 100'

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



1998 CTC GRANT APPLICATION
WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT
PROPERTY ACQUISITION MAP

FIGURE


E-1

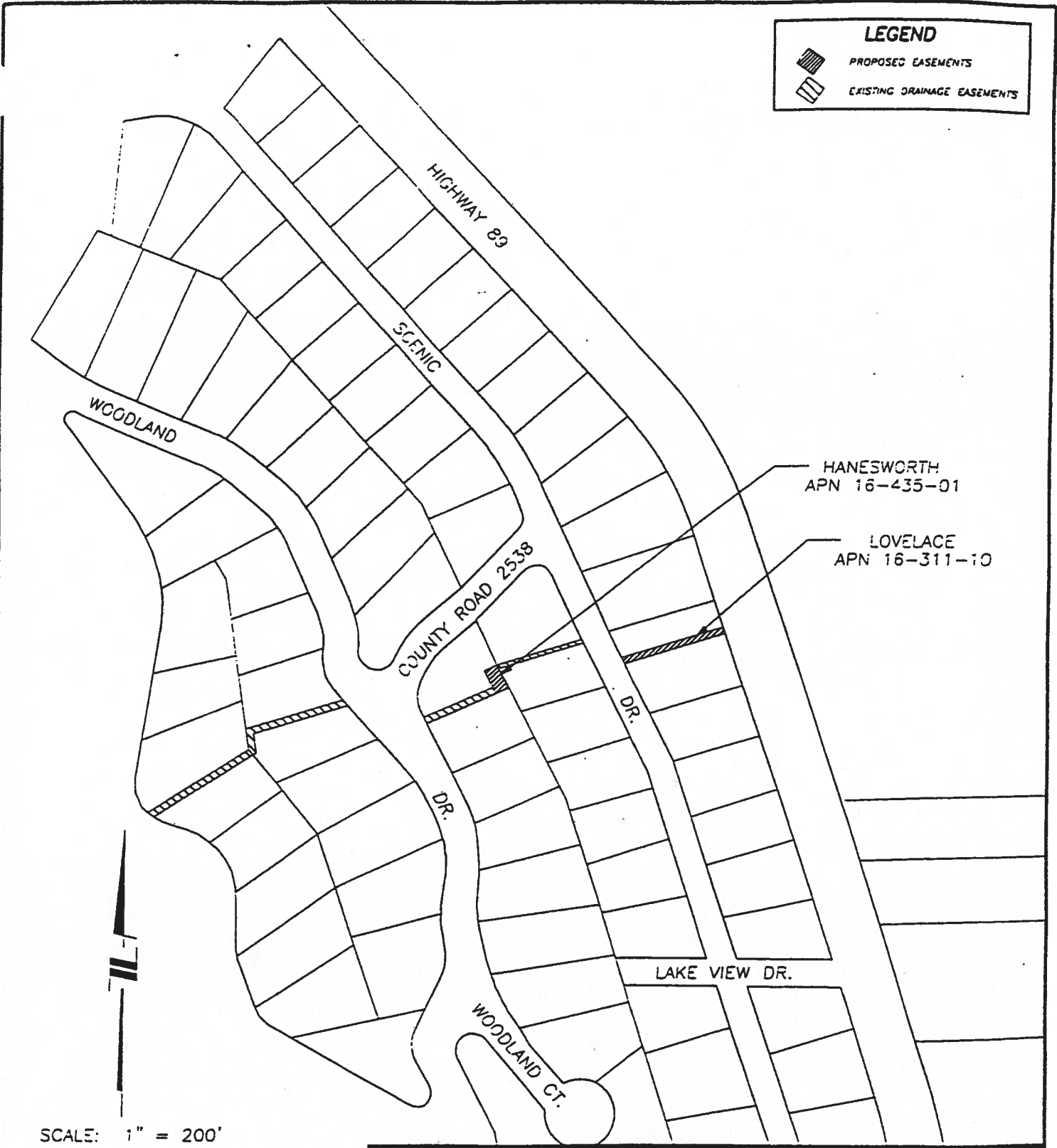
DATE: 12/97

PROJECT NO.: 95145

BY: JG

LEGEND

-  PROPOSED EASEMENTS
-  EXISTING DRAINAGE EASEMENTS



SCALE: 1" = 200'

MATCH LINE
SEE FIGURE E-3

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



1998 CTC GRANT APPLICATION
WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT
PROPERTY ACQUISITION MAP

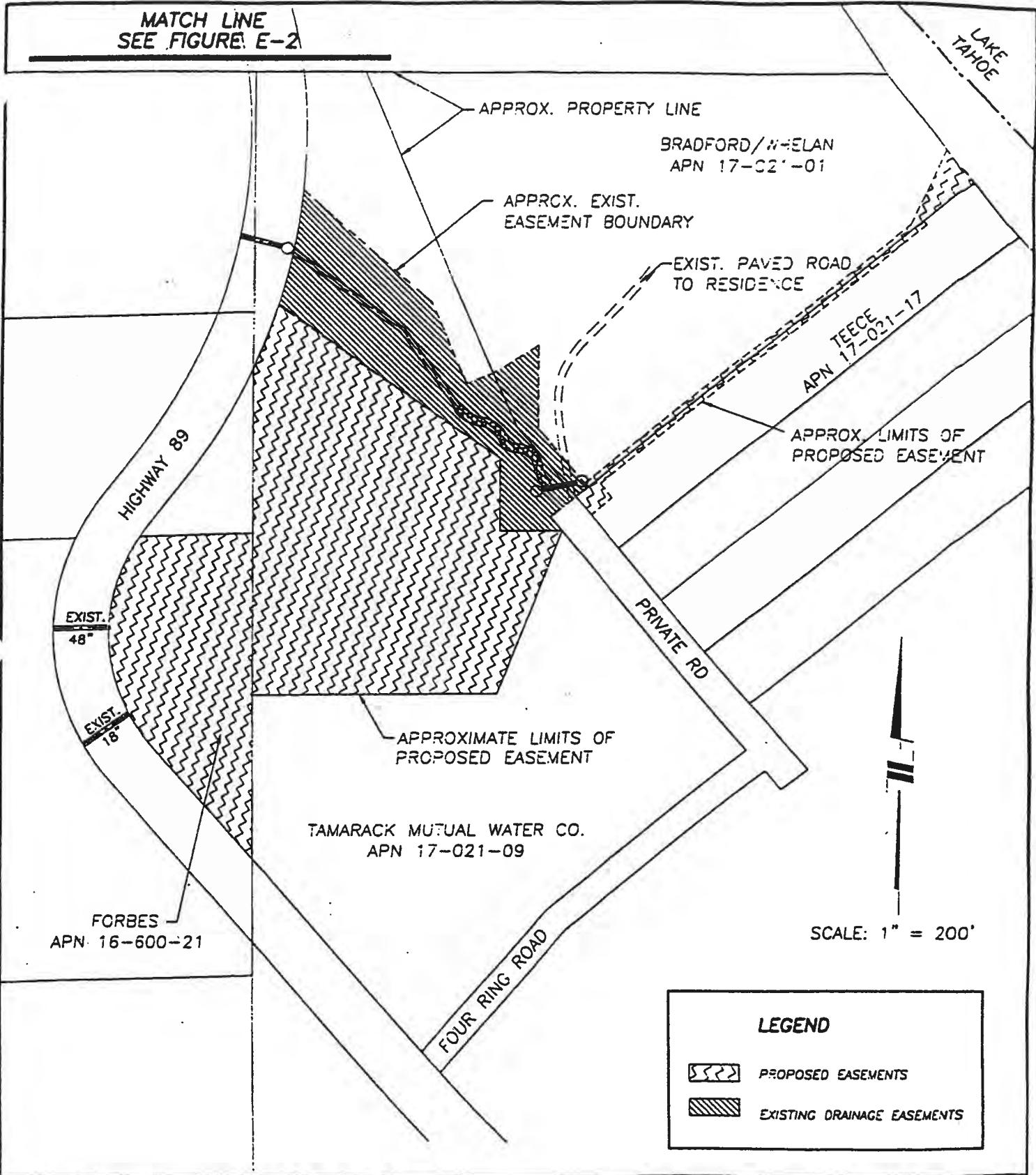
FIGURE

E-2

DATE: 12/97

PROJECT NO.: 95145

BY: JG



EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



1998 CTC GRANT APPLICATION
WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT
PROPERTY ACQUISITION MAP

FIGURE
E-3

DATE: 12/97 PROJECT NO.: 95145 BY: JG

PROPOSED ACQUISITION BUDGET
(for 1998 grant)

Preliminary Title Reports	3,000
Negotiations	9,600
Surveying	7,010
<u>Design & Administration</u>	<u>29,080</u>
Subtotal	48,690
<u>Contingency @ 10%</u>	<u>4,870</u>
AMOUNT REQUESTED FOR THIS GRANT	\$53,600

ESTIMATED DESIGN AND CONSTRUCTION SCHEDULE

Design Survey	Nov 1998
50% TAC	Oct 1999
90% TAC	Jan 2000
Begin Construction	Jul 2001
Complete Construction	Oct 2001
Submit Final Report	Dec 2001
Begin Irrigation	Apr 2002
End Irrigation	Sep 2003
Submit 1st Annual Monitoring Report	Dec 2002
Submit Final Monitoring Report	Dec 2003

ESTIMATED ACQUISITION SCHEDULE

Request Preliminary Title Reports	Nov 1998
Request Appraisals	Dec 1998
Submit Appraisal and Preliminary Title Reports for CTC Review	Jan 1999
CTC Approval of Appraisal Reports and Preliminary Title Reports	Mar 1999
Negotiation and Agreement of Sales	Oct 1999
CTC Approval of Instruments of Conveyance, Escrow Instructions and Purchase Agreements	Dec 1999
Close of Escrow	Feb 2000

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



1998 CTC GRANT APPLICATION
WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT

FIGURE

J

PROPOSED SCHEDULE

09-1264 B.54

DATE: Dec-97 WO # 95145 BY LAM

EXHIBIT 7

**WOODLAND/TAMARACK/LONELY GULCH
EROSION CONTROL PROJECT**

The Negative Declaration for the Woodland/Tamarack/Lonely Gulch Erosion Control Project has not been included here. Copies are available for review at the Conservancy's office and will be made available at the meeting.

EXHIBIT 8
NOTICE OF DETERMINATION

TO: Office of Planning and Research
1400 - 10th Street, Room 121
Sacramento, CA 95814

FROM: California Tahoe Conservancy
2161 Lake Tahoe Boulevard
South Lake Tahoe, CA 96150

SUBJECT:

Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

Project Title: Woodland/Tamarack/Lonely Gulch Erosion Control Project

State Clearinghouse Number
97112069

Contact Person
Renée T. Dixon

Telephone Number
(916) 324-0207

Project Location: West shore of Lake Tahoe, north of D. L. Bliss State Park, south of Meeks bay in South Lake Tahoe, El Dorado County, California.

Project Description: The proposed project will alleviate erosion problems within the project site by conveying discharge from existing undersized culverts and trapping the sediment. The project involves installing new culverts, drop inlets, outlets, a spillway, stabilizing the banks along Lonely Gulch Creek, replacing existing culverts, constructing a sediment basin, and regrading and re-vegetating rock-lined channels. Right-of-way acquisition for easements will be obtained.

This is to advise that the California Tahoe Conservancy (CTC), acting as a responsible agency, has approved the above-described project and has made the following determinations regarding the above-described project:

1. The project will not have a significant effect on the environment.
2. A Negative Declaration for the project was prepared and approved by the County of El Dorado. The Notice of Determination, Negative Declaration, and record of project approval may be examined at El Dorado County Department of Transportation, 1121 Shakori Drive, South Lake Tahoe, California. The CTC reviewed and considered the Negative Declaration prepared by the County of El Dorado prior to project approval.
3. Mitigation measures were made a condition of the approval of the project by the California Tahoe Conservancy.
4. A Statement of Overriding Considerations was not adopted for this project.
5. Findings were not required pursuant to the provisions of CEQA.
6. Pursuant to fish and Game Code Section 711.4 fees, a California Department of Fish and Game environmental document fee was paid. A copy of the receipt is attached to this notice.

FISH & GAME FEES: See Above

Date Received for Filing:

Dennis T. Machida
Executive Officer
(April 24, 1998 Board Meeting)

CALIFORNIA DEPARTMENT OF FISH AND GAME
CERTIFICATE OF FEE EXEMPTION

De Minimis Impact Finding

Project Title:

Woodland/Tamarack/Lonely Gulch Erosion Control Project

Location:

West shore of Lake Tahoe, north of D. L. Bliss State Park, south of Meeks bay in South Lake Tahoe, El Dorado County, California.

Project Description:

The proposed project will alleviate erosion problems within the project site by conveying discharge from existing undersized culverts and trapping the sediment. The project involves installing new culverts, drop inlets, outlets, a spillway, stabilizing the banks along Lonely Gulch Creek, replacing existing culverts, constructing a sediment basin, and regrading and re-vegetating rock-lined channels. Right-of-way acquisition for easements will be obtained.

Findings of Exemption:

The County of El Dorado prepared a Negative Declaration, which was approved by the El Dorado County Board of Supervisors. The Initial Study found that no potential individual or cumulative impacts on wildlife resources would result from the project. There is no evidence before the California Tahoe Conservancy that implementing the Woodland/Tamarack/Lonely Gulch Erosion Control Project will have potential for an adverse effect on wildlife resources. This finding is supported by the fact that mitigation measures have been incorporated into the project to prevent effects on wildlife resources. The project will result in improved water quality, which has a beneficial effect on environmental conditions for fish and wildlife in the area.

Certification:

I hereby certify that the California Tahoe Conservancy has made the above finding and that the project will not individually or cumulatively have an adverse effect on wildlife resources, as defined in Section 711.2 of the Fish and Game Code.

Dennis T. Machida
Executive Officer

Date

INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

Project Title: Woodland/Tamarack/Lonely Gulch Erosion Control Project

1. Assessor Parcel Number: 16-390-08
2. Owner's Name: David and France Reed Trustees
Address: P.O. Box 671
Homewood, CA 96141
3. Subdivision Name: N/A
4. IPES Score: N/A
5. a. Assessed value: Land \$ 75,000 Improvements \$ 200,000
b. Approximate % of parcel needed: 36%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ \$13,500
6. Existing improvements, if any: Single Family Residence
7. Reason for acquisition: Drainage Easement for Rock-Lined & Vegetation Stabilization of Lonely Gulch Creek.
8. a. Owner's willingness to cooperate: Initial discussion of problem seems to indicate a willingness.
b. Alternatives to acquisition (such as permit or right-of-entry):
Permit to enter and construct improvements in the creek may be possible if still eligible for funding.
c. If owner is unwilling to cooperate, can project still function by redesigning? If yes, explain.
No.
9. Attach annotated Assessor's Plat showing proposed acquisition and approximate location of project improvements that will affect the lot (see example). If a creek or other drainageway crosses the property, sketch its approximate location.

INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

Project Title: Woodland/Tamarack/Lonely Gulch Erosion Control Project

1. Assessor Parcel Number: 16-390-05
2. Owner's Name: Richard C. & Geraldean A. Helfrich Trustees
Address: 2795 Goodwin Avenue
Redwood City, CA 94061
3. Subdivision Name: N/A
4. IPES Score: N/A
5. a. Assessed value: Land \$ 100,000 Improvements \$ 80,000
b. Approximate % of parcel needed: 14%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ \$7,000
6. Existing improvements, if any: Single Family Residence
7. Reason for acquisition: Drainage Easement for Rock-Lined & Vegetation Stabilization of Lonely Gulch Creek.
8. a. Owner's willingness to cooperate: Initial discussion of problem seems to indicate a willingness; written correspondence indicates a willingness to assume maintenance if it is within reason.
b. Alternatives to acquisition (such as permit or right-of-entry): Permit to enter and construct improvements in the creek may be possible if still eligible for funding.
c. If owner is unwilling to cooperate, can project still function by redesigning? If yes, explain.
No.
9. Attach annotated Assessor's Plat showing proposed acquisition and approximate location of project improvements that will affect the lot (see example). If a creek or other drainageway crosses the property, sketch its approximate location.

INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

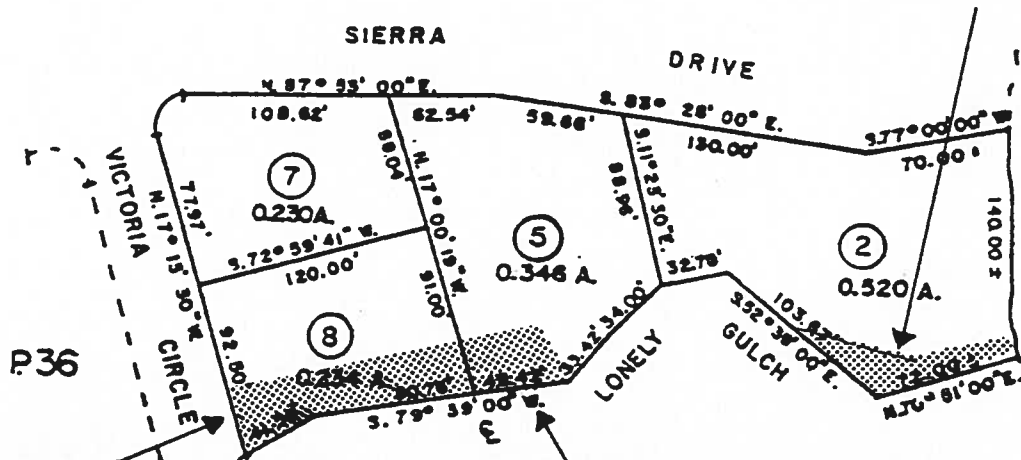
Project Title: Woodland/Tamarack/Lonely Gulch Erosion Control Project

1. Assessor Parcel Number: 16-390-02
2. Owner's Name: Louis G. & Rita T. Hooper
Address: P.O. Box 1259
Tahoe City, CA 96145
3. Subdivision Name: N/A
4. IPES Score: N/A
5. a. Assessed value: Land \$ 100,000 Improvements \$ 180,000
b. Approximate % of parcel needed: 6%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ \$3,000
6. Existing improvements, if any: Single Family Residence
7. Reason for acquisition: Drainage Easement for Rock-Lined & Vegetation Stabilization of Lonely Gulch Creek.
8. a. Owner's willingness to cooperate: Telephone conversations indicate owner looks unfavorably on the proposed project.
b. Alternatives to acquisition (such as permit or right-of-entry):
Permit to enter and construct improvements in the creek may be possible if still eligible for funding.
c. If owner is unwilling to cooperate, can project still function by redesigning? If yes, explain.
The majority of the damage is upstream of this owner. So proposed improvements could be eliminated from this parcel to the Lake.
9. Attach annotated Assessor's Plat showing proposed acquisition and approximate location of project improvements that will affect the lot (see example). If a creek or other drainageway crosses the property, sketch its approximate location.

POR. E1/2 SEC. 32, T.14N., R.17E.

APN 16-390-02
PROPOSED DRAINAGE EASEMENT
FOR ROCK LINED AND VEGETATIVE
STABILIZATION OF CREEK 0.03AC

P14



APN 16-390-08
PROPOSED DRAINAGE
EASEMENT FOR ROCK
LINED AND VEGETATIVE
TABILIZATION OF CREEK
0.083AC

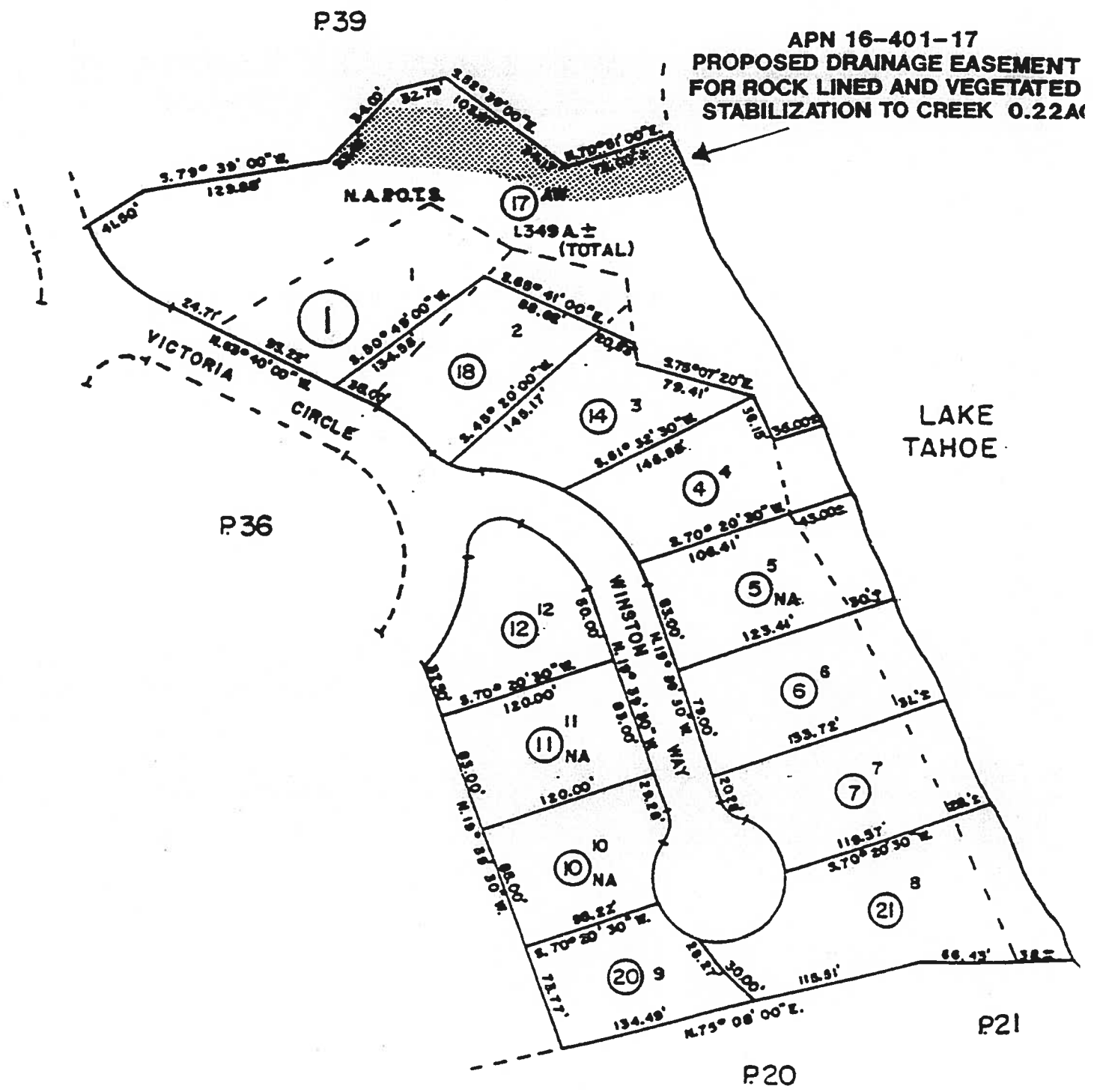
APN 16-390-05
PROPOSED DRAINAGE EASEMENT
FOR ROCK LINED AND VEGETATIVE
STABILIZATION OF CREEK 0.05AC

INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

Project Title: Woodland/Tamarack/Lonely Gulch Erosion Control Project

1. Assessor Parcel Number: 16-401-17
2. Owner's Name: Rubicon Park Estates Improvement Association
Address: 661 Parma Lane
Los Altos, CA 94022
Rock Improvement - Fee - 75 NRS in San Jose
3. Subdivision Name: Rubicon Park Estates Unit No. 3
4. IPES Score: N/A
5. a. Assessed value: Land \$ -0- Improvements \$ -0-
b. Approximate % of parcel needed: 23%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ \$16,700
6. Existing improvements, if any: None
7. Reason for acquisition: Drainage Easement for Rock-Lined & Vegetative Stabilization to Lonely Gulch Creek.
8. a. Owner's willingness to cooperate: Associations's President indicated in telephone conversation a willingness to cooperate if other affected owners along the creek cooperate.
b. Alternatives to acquisition (such as permit or right-of-entry): Permit to enter and construct improvements may be possible if still eligible for funding.
c. If owner is unwilling to cooperate, can project still function by redesigning? If yes, explain.
No.
9. Attach annotated Assessor's Plat showing proposed acquisition and approximate location of project improvements that will affect the lot (see example). If a creek or other drainageway crosses the property, sketch its approximate location.

POR. E1/2 FRACTIONAL SEC.32, T.14N., R.17E., M.D.M.
 RUBICON PARK ESTATES UNIT NO.3
 B-99



INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

Project Title: Woodland/Tamarack/Lonely Gulch Erosion Control Project

1. Assessor Parcel Number: 16-435-01
2. Owner's Name: James E. & Marilyn S. Hanesworth Trustees
Address: 5364 York Drive
Fremont, CA 94536
3. Subdivision Name: Rubicon Properties Unit No. 2 Sec 3
4. IPES Score: 804
5. a. Assessed value: Land \$ 150,000 Improvements \$ N/A
b. Approximate % of parcel needed: 6%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ \$4,500
6. Existing improvements, if any: None
7. Reason for acquisition: Drainage Easement for a culvert with Sand Traps.
8. a. Owner's willingness to cooperate: From written response from owner, owner is willing to cooperate, and donation is possible subject to conditions.
b. Alternatives to acquisition (such as permit or right-of-entry):
No.
c. If owner is unwilling to cooperate, can project still function by redesigning? If yes, explain.
Yes. Would need an easement on the adjacent parcel which is developed and has less area to place the drainage.
9. Attach annotated Assessor's Plat showing proposed acquisition and approximate location of project improvements that will affect the lot (see example). If a creek or other drainageway crosses the property, sketch its approximate location.

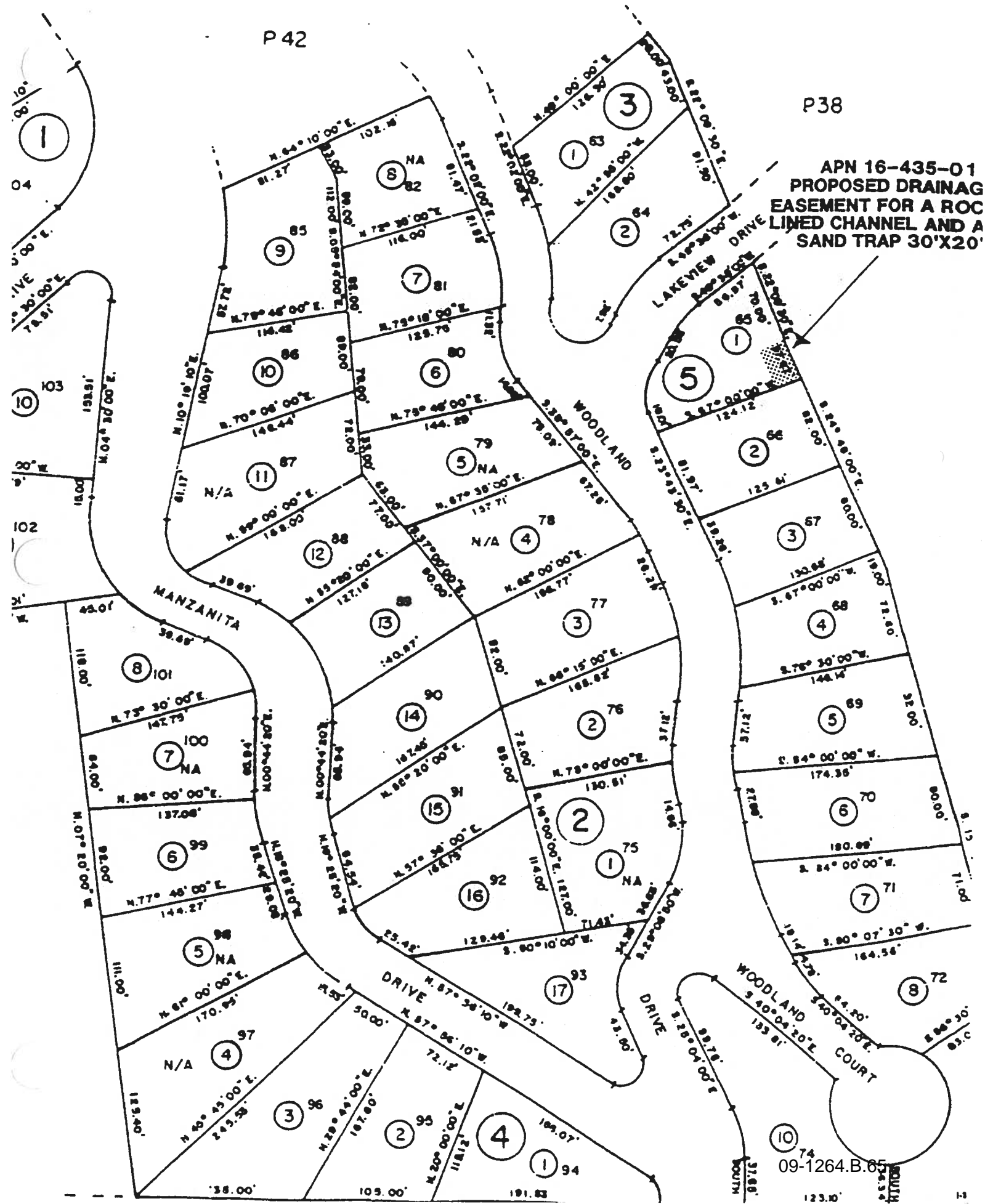
RUBICON PROPERTIES UNIT 2 SECTION 3

C-9

P42

P38

APN 16-435-01
PROPOSED DRAINAGE
EASEMENT FOR A ROC
LINED CHANNEL AND A
SAND TRAP 30'X20'



09-1264.B.65

INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

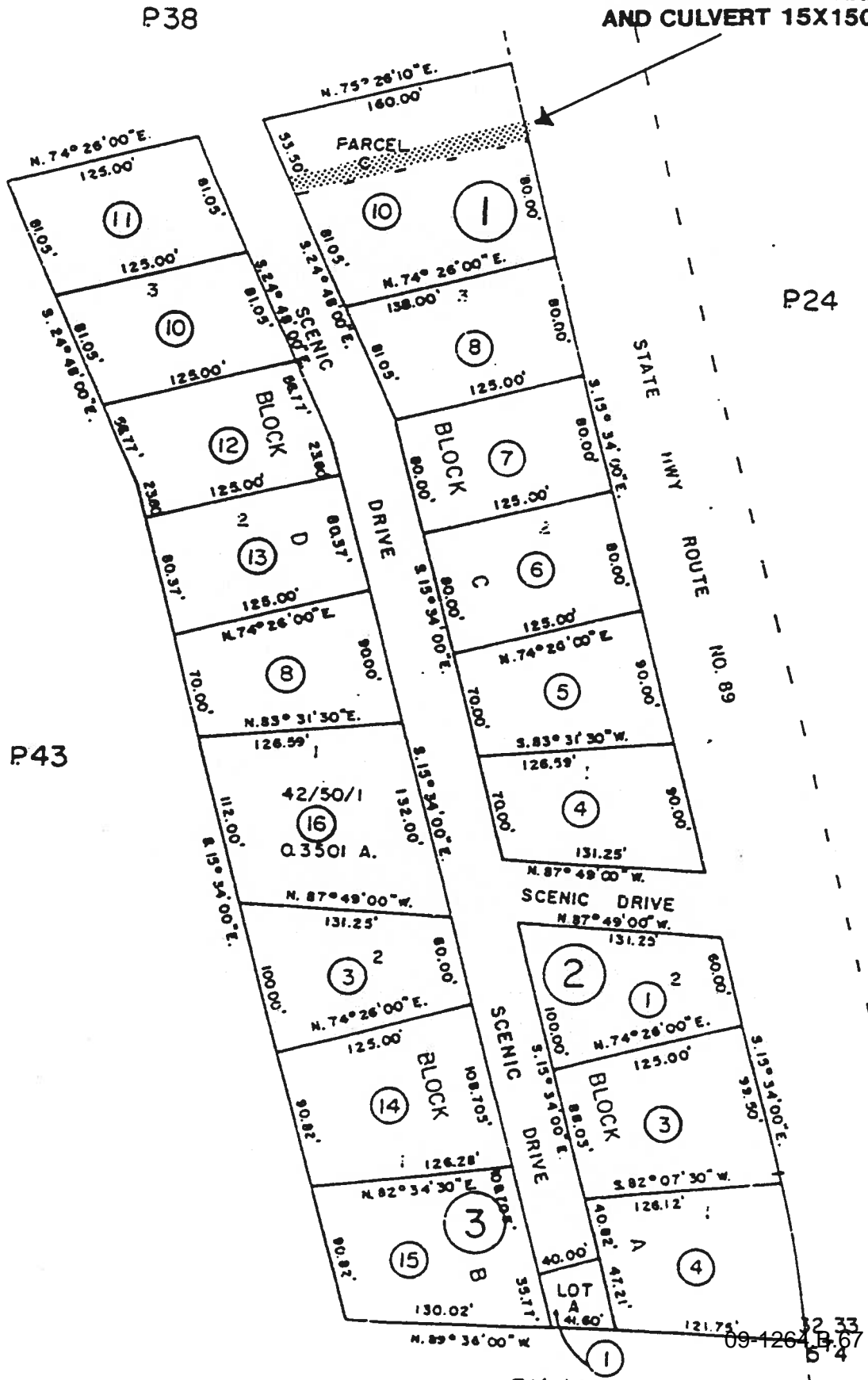
Project Title: Woodland/Tamarack/Lonely Gulch Erosion Control Project

1. Assessor Parcel Number: 16-311-10
2. Owner's Name: Bernard G. & Elizabeth Lovelace
Address: 561 Keystone Avenue #231
Reno, NV 89503
3. Subdivision Name: Rubicon Properties Unit No. 2 Sec 1
4. IPES Score: N/A
5. a. Assessed value: Land \$ 300,000 Improvements \$ 300,000
b. Approximate % of parcel needed: 11.5%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ \$17,250
6. Existing improvements, if any: Single Family Residence
7. Reason for acquisition: Drainage Easement for a Rock-Lined Channel & Culvert
8. a. Owner's willingness to cooperate: 10 foot wide easement existed prior to merging of lots; easement may still exist; if not, drainage goes this way presently.
b. Alternatives to acquisition (such as permit or right-of-entry):
Easement may exist (10' wide)
c. If owner is unwilling to cooperate, can project still function by redesigning? If yes, explain.
No.
9. Attach annotated Assessor's Plat showing proposed acquisition and approximate location of project improvements that will affect the lot (see example). If a creek or other drainageway crosses the property, sketch its approximate location.

POR. SW1/4 SEC. 32, T.14N., R.17E., M.D.M.
RUBICON PROPERTIES UNIT NO. 2, SEC. 1

B-65

APN 16-311-10
PROPOSED DRAINAGE EASEMENT
FOR ROCK LINED CHANNEL
AND CULVERT 15X150



32 33
09-1264 B-67
B-4

INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

Project Title: WOODLAND/TAMARACK/LONELY GULCH EROSION CONTROL PROJECT

1. Assessor Parcel Number: 16-600-21
2. Owner's Name: Patricia Ann Forbes
Address: P.O. Bcx 376
Tahoma, CA 96142
3. Subdivision Name: N/A
4. IPES Score: N/A
5. a. Assessed value: Land \$ 44,966 Improvements \$ 69,338
b. Approximate % of parcel needed: 17%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ 4,000
6. Existing improvements, if any: Single Family Residence
7. Reason for acquisition: Drainage easement for grading, revegetation, and construction of rock-lined channels below Caltrans' culvert outlets.
8. a. Owner's willingness to cooperate: from telephone conversation, donation seemed potential subject to conditions.
b. Alternatives to acquisition (such as permit or right-of-entry):
No. Maintenance would not be possible.
c. If owner is unwilling to cooperate, can project still function by redesigning? If yes, explain.
The existing gullies could be allowed to continue to erode.
9. Attach annotated Assessor's Plat showing proposed acquisition and approximate location of project improvements that will affect the lot (see example). If a creek or other drainageway crosses the property, sketch its approximate location.

INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

Project Title: WOODLAND/TAMARACK/LONELY GULCH EROSION CONTROL PROJECT

1. Assessor Parcel Number: 17-021-09
2. Owner's Name: Tamarack Mutual Water Company c/o Dr. Frank Hinman
Address: 1000 Francisco Street
San Francisco, CA 94109
3. Subdivision Name: N/A
4. IPES Score: N/A
5. a. Assessed value: Land \$ 70,000* Improvements \$ -0-
b. Approximate % of parcel needed: 38%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ 13,300
6. Existing improvements, if any: Existing erosion control facilities
7. Reason for acquisition: Drainage easement for enlargement of existing sediment basin.
8. a. Owner's willingness to cooperate: agreed to a previous easement; willing to cooperate on additional easement however donation potential unknown at this point.
b. Alternatives to acquisition (such as permit or right-of-entry): Maintenance would not be possible without an easement.
c. If owner is unwilling to cooperate, can project still function by redesigning? If yes, explain.
Caltrans runoff could continue to be left out of the Basin design even though it discharges into the Basin. This would leave the Basin undersized.
9. Attach annotated Assessor's Plat showing proposed acquisition and approximate location of project improvements that will affect the lot (see example). If a creek or other drainageway crosses the property, sketch its approximate location.

*Based on values paid for 1994 easement with adjustment for inflation.

INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

Project Title: WOODLAND/TAMARACK/LONELY GULCH EROSION CONTROL PROJECT

1. Assessor Parcel Number: 17-021-17
2. Owner's Name: David J. and Leigh G. Teece
Address: 227 Tunnel Road
Berkeley, CA 94705
3. Subdivision Name: N/A
4. IPES Score: N/A
5. a. Assessed value: Land \$ 1,628,634 Improvements \$ 300,000
b. Approximate % of parcel needed: 9%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ 73,300
6. Existing improvements, if any: Single Family Residence
7. Reason for acquisition: Drainage easement for culvert and sand traps.
8. a. Owner's willingness to cooperate: telephone conversations and correspondence from owner's representative indicate a willingness to cooperate subject to conditions.
b. Alternatives to acquisition (such as permit or right-of-entry):
Maintenance would not be possible without an easement.
c. If owner is unwilling to cooperate, can project still function by redesigning? If yes, explain.
Drainage could continue to flow uncontrolled out of the existing Basin to Lake Tahoe which could result in erosion.
9. Attach annotated Assessor's Plat showing proposed acquisition and approximate location of project improvements that will affect the lot (see example). If a creek or other drainageway crosses the property, sketch its approximate location.

INFORMATION FORM FOR LAND ACQUISITION FOR EROSION CONTROL PROJECTS
(Use one form for each parcel.)

Project Title: WOODLAND/TAMARACK/LONELY GULCH EROSION CONTROL PROJECT

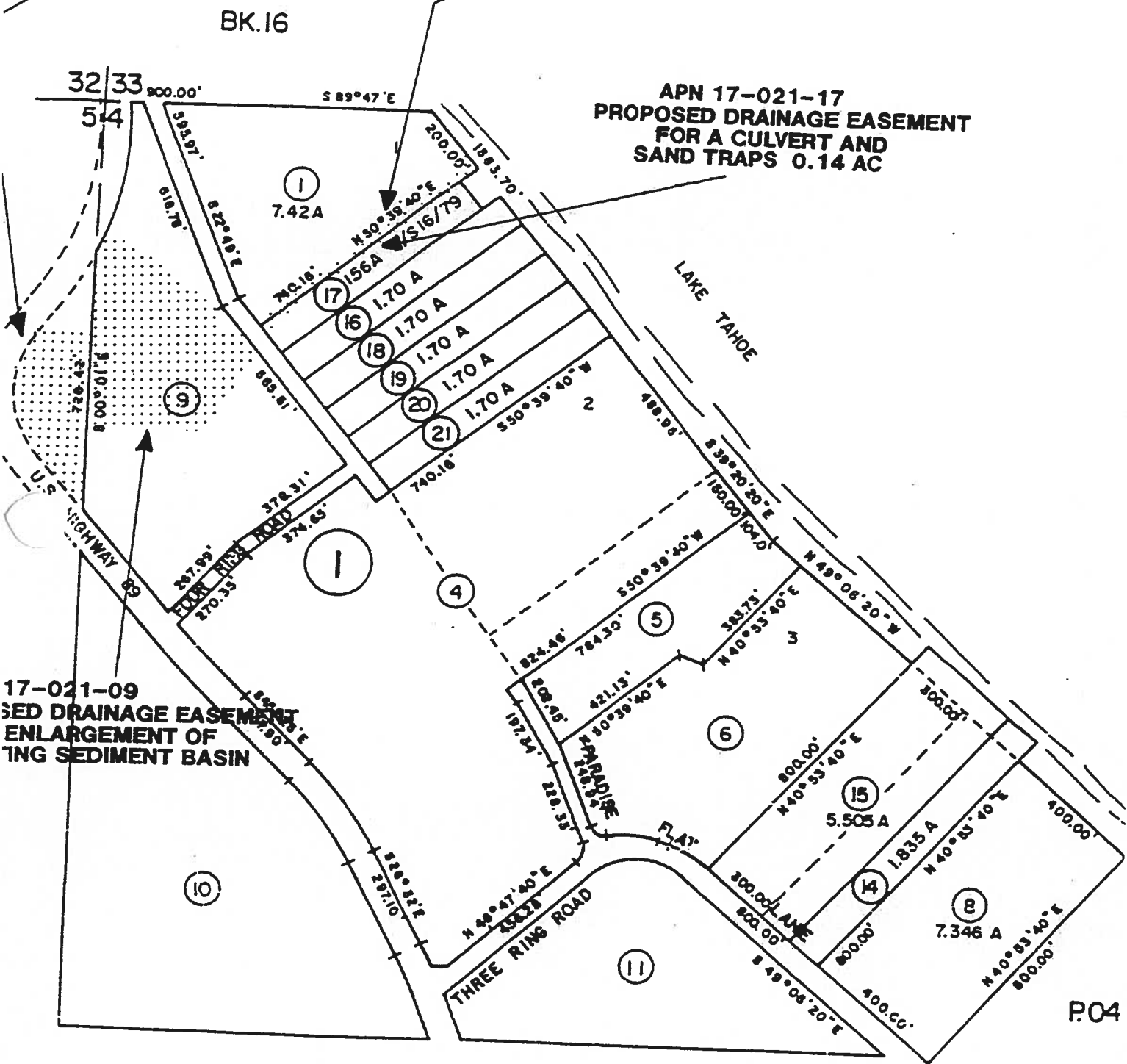
1. Assessor Parcel Number: 17-021-01
2. Owner's Name: David C., Robert A., Peter K., Jeffrey M. Bradford
and Deborah B. Whelan
Address: 37 Meadow Hill Drive
Tiburon, CA 94920
3. Subdivision Name: N/A
4. IPES Score: N/A
5. a. Assessed value: Land \$ 2,033,000 Improvements \$ 500,000
b. Approximate % of parcel needed: 3%
c. Current fair market value of portion of parcel needed
(circle one: fee easement) \$ 30,495
6. Existing improvements, if any: Single Family Residence Tennis Courts
7. Reason for acquisition: Drainage easement for culvert and outlet
structure to the Lake.
 - a. Owner's willingness to cooperate: Unknown
 - b. Alternatives to acquisition (such as permit or right-of-entry):
Maintenance would not be possible without an easement.
 - c. If owner is unwilling to cooperate, can project still function by
redesigning? If yes, explain.
Drainage could continue to flow uncontrolled out of the
existing Basin to Lake Tahoe which could result in erosion.
9. Attach annotated Assessor's Plat showing proposed acquisition and
approximate location of project improvements that will affect the lot
(see example). If a creek or other drainageway crosses the property,
sketch its approximate location.

FOR N1/2 SEC. 4., T.13N., R.17E., M.D.M.
LAKE TAHOE

16-600-21
DRAINAGE EASEMENT
AND REVEGETATION,
AND ROCK-LINED CHANNELS
1.66 AC

APN 17-021-01
PROPOSED DRAINAGE EASEMENT
FOR A CULVERT WITH OUTLET
STRUCTURE 0.22 AC

APN 17-021-17
PROPOSED DRAINAGE EASEMENT
FOR A CULVERT AND
SAND TRAPS 0.14 AC



P.04