

STANDARD AGREEMENT

- APPROVED BY THE ATTORNEY GENERAL

6/29/04 #38

| | |
|---------------------------------------|-----------------------------------|
| CONTRACT # CTA-97014 | AM. NO. 3 |
| TAXPAYER'S FEDERAL ID # 94-6000511 | CONTRACT REG NO. 3125080443962 |

TD. 2 (REV. 5-91)

AGREEMENT, made and entered into this 19th day of March, 2004, in the State of California, by and between...

| | | |
|--|--|------------------------------------|
| TITLE OF OFFICER ACTING FOR STATE Executive Officer | AGENCY California Tahoe Conservancy | , hereafter called the State, and |
| CONTRACTOR'S NAME El Dorado County | | , 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.)

The Agreement numbered CTA-97014, as amended on December 11, 1998 by CTA 97014.10 and March 19, 1999 by CTA 97014.20 (hereafter "the Agreement") between the California Tahoe Conservancy (hereafter "the Conservancy") and the County of El Dorado (hereafter "Grantee"), is hereby amended as follows:

The amount of the grant from the Conservancy to Grantee, for the purpose of the acquisition of real property or interests, therein for the Cascade, Silvertip, Upper Angora Creek and Woodland/Tamarack/Lonely Gulch Erosion Control Project(s) as provided in Paragraph 1a - Scope of Agreement and Paragraph 4 - Costs and Disbursements, is increased by three hundred twenty-nine thousand five hundred dollars (\$329,500) to a total of one million one hundred three thousand eight hundred dollars (\$1,103,800).

CONTINUED ON... SHEETS, EACH BEARING NAME OF CONTRACTOR AND CONTRACT NUMBER. WITNESS WHEREOF, the parties have executed this agreement hereto, upon the date first above written.

ATTEST: CINDY KECK, Clerk of the Board of Supervisors

| | |
|------------------------------|------------------------------------|
| STATE OF CALIFORNIA | CONTRACTOR |
| California Tahoe Conservancy | El Dorado County |
| Dennis T. Machida | RUSTY DUPRAY, Chairman |
| Executive Officer | 360 Fair Ln. Placerville, CA 95667 |

| | | | | |
|---|--|------------|-----------------|-------------|
| QUANTITY ENCUMBERED BY DOCUMENT 1,500 | PROGRAM/CATEGORY (CODE AND TITLE) | | FUND TITLE | |
| | (OPTIONAL USE) | | | |
| AMOUNT ENCUMBERED FOR THIS CONTRACT 300 | ITEM | CHAPTER | STATUTE | FISCAL YEAR |
| AMOUNT ENCUMBERED TO DATE 3,800 | OBJECT OF EXPENDITURE (CODE AND TITLE) | | | |
| I certify, upon my own personal knowledge that budgeted funds available for the period and purpose of the expenditure stated above. | | T.B.A. NO. | B.R. NO. | |
| SIGNATURE OF ACCOUNTING OFFICER Leonora P. Corpuz | | | DATE 6/29/04 | |

Department of General Services Use Only

CONTRACTOR STATE AGENCY DEPT. OF GEN. SER. CONTROLLER

2. The Scope of the Agreement as set forth in Paragraph 1e is amended to include the following: "Projects funded by "The Safe Neighborhood Parks, Clean Water, Clean Air and Coastal Protection Bond Act of 2000" must comply with the sign guidelines set forth in Exhibit G."

3. Paragraph 3(a)5 is amended to read as follows:

"(5) If any essential term or condition of this Agreement is violated, the Conservancy shall give Grantee notice of default and 30 days to cure the default. If Grantee fails to cure the default, the Conservancy shall record the notice of default and title to all the interest(s) in real property acquired under this Agreement shall vest in the State of California upon review and approval by the Conservancy. Other State approvals may also be required. Vesting of title in the State of California shall take place 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 and all required State approvals have been obtained, unless before the expiration of said thirty (30) day period the 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. Paragraph 8 - Audits/Accounting/Records is amended to read as follows:

"The Grantee shall maintain satisfactory financial accounts, documents, and records relating to the Project. The accounts, documents, and records relating to the Project shall be retained by the Grantee for three years following the date of final reimbursement by the Conservancy under the paragraph entitled "Costs and Disbursements" above, and shall be subject to examination and audit by the Conservancy and by the California Auditor General during that period. The Grantee may use any generally accepted accounting system. Interest on advanced funds shall be used for the purpose of the Project(s), as approved by the Conservancy. The Grantee shall promptly report to the Conservancy the application for or the receipt of any new funds from other funding sources.

The Grantee shall establish an official file for the Project. The file shall contain adequate documentation of all actions that have been taken with respect to the project.

The Grantee shall establish separate accounting records for receipt, deposit, and disbursement of all project funds, including interest. Interest on funds paid in advance to escrow accounts shall be used for the purpose of the Project(s), as approved by the Conservancy. All funds received by the Grantee shall be deposited into separate fund accounts that identify the funds and clearly show the manner of their disposition. The Grantee agrees that adequate supporting documents shall be maintained in such detail so as to provide an audit trail which will permit tracing transactions from support documentation to the accounting records to the financial reports and billings.

The Grantee shall maintain books, records, documents, and other evidence sufficient to reflect properly the amount, receipt, and disposition of all project funds, including State funds, interest earned, and any matching funds by the Grantee and the total cost of the project. The maintenance requirements extend to books, of original entry, source documents supporting accounting transactions, the general ledger, subsidiary ledgers, personnel and payroll records, cancelled checks, and related documents and records. Source documents include copies of all awards, applications, and required financial and narrative reports. Personnel and payroll records shall include the time and attendance reports for all individuals reimbursed under the grant, whether they are employed full-time or part-time. Time and effort reports are also required for consultants and contractors. Adequate supporting documentation shall be maintained in such detail so as to provide an audit trail which will permit tracing transactions from the invoices to the financial statement, to the accounting records, and to the supporting documentation.

The Conservancy and the State of California reserves the right to call for a program audit or a financial audit at any time between the execution of this Agreement and the completion or termination of the Project. At any time, the State may disallow all or part of the cost of the activity or action determined to be not in compliance with the terms and conditions of this Agreement.”

5. Paragraph 4 - Costs and Disbursement – is amended to reflect the final date for submittal of invoices for the augmentation amount of \$329,500 as May 2007.
6. Paragraph 2 - Incorporation of Documents by reference is amended as provided below:

Exhibit A, the Conservancy's staff recommendation containing the Conservancy's resolution of April 24, 1998, is amended through the addition of Exhibit A-4, the Conservancy's staff recommendation and resolution of March 19, 2004 and May 21, 2004.

Exhibit B, the Project Schedule and Budget is amended through the addition of Exhibit-B-4 the Revised Project Schedule and Budget for the Project. Eligible project costs are listed in **Exhibit H**, which is incorporated herein by reference.

7. Exhibit D, the Detailed description of the Property is amended through the addition of Exhibit D-4, the Revised Detailed Description of the Property.

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 Project Schedule; (6) the Conservancy staff recommendation; (7) the Grantee's List of Assurance's; (8) the Description of Eligible Costs; (9) the Sample Request for Disbursement Form; and (10) the Sign Guidelines.

8. The signature of the Executive Officer of the Conservancy on this amendment certifies that at its March 19, 2004 meeting, the Conservancy approved an amendment and augmentation of the grant to Grantee under Agreement CTA-97014 of three hundred twenty-nine thousand five hundred dollars (\$329,500) for the implementation of the project described in Exhibit A, as amended by the addition of **Exhibit A-4**

- 9 All other terms and conditions of the original Agreement numbered CTA-97014 shall remain unchanged in full force and effect.

EXHIBIT A-4

Tahoe Conservancy
Staff Recommendation
05-04-2
May 21, 2004

Silvertip Erosion Control Project
Acquisition Grant Augmentation

REQUESTED ACTION: Authorization of a grant augmentation to El Dorado County for the acquisition of two easements for erosion control and water quality improvements.

LOCATION: The project area is located on the west shore of Lake Tahoe, in the Meeks Bay Vista Subdivision. The project is generally bounded to the west by State Highway 89 and to the east by Lake Tahoe and includes a portion of Silvertip Drive above State Highway 89 (Exhibit 1).

FISCAL SUMMARY:

| | |
|---|-------------------|
| Previously Authorized Conservancy Acquisition Grants: | \$ 150,500 |
| Requested Acquisition Grant Augmentation: | <u>\$ 189,500</u> |
| Total Acquisition Funding: | \$ 340,000 |

Source of Funds: Proposition 12 and 40 funds

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

"The California Tahoe Conservancy hereby authorizes an acquisition grant augmentation of up to \$189,500 to El Dorado County, and authorizes staff to amend the existing grant agreement and to take all other necessary steps, in substantial conformity with the terms and provisions discussed in the accompanying staff report and exhibits, necessary to fund and implement the Silvertip Erosion Control Project.

"The augmentation of the grant and the disbursement of funds are conditioned upon the County's commitment, by resolution and through execution of an amended grant agreement, to undertake the project and manage and maintain the property in a manner consistent with the purposes and scope of the grant."

STAFF DISCUSSION:

I. Project Background

Pursuant to a request by El Dorado County, staff is recommending an acquisition grant augmentation of \$189,500 for the purchase of two easements (El Dorado County Assessor Parcels Number [APN] 16-101-91 and 16-101-92).

The board previously approved acquisition grant funds totaling \$150,500, as well as \$406,500 for site improvements, for the implementation of this project. The County has substantially completed the project design and secured the additional site improvement funding (including TRPA water quality mitigation funds and a portion of lease revenues it has received from the Conservancy) needed to build the project. The County hopes to proceed to construction during the 2004 construction season provided that all related and necessary acquisition activities can be completed.

The Conservancy's award of acquisition grant funds in 1998 and 1999 anticipated the acquisition of three easements from private property owners. One easement acquisition has been completed. However, the finalization of the exact size and location of the remaining easements, and related acquisition negotiations, has been delayed due to outstanding litigation between one of the affected landowners and Caltrans. This delay, along with a significant increase in property values, has resulted, in part, in the need for additional acquisition funds.

Staff is presenting this request to the board to support the County's efforts to build this project during the 2004 construction season. Consideration of this augmentation is consistent with previous board actions which have recognized the key role of acquisitions in the timely implementation of projects. Due to the immediate need for funds to assure the project will be built this construction season, the augmentation is proposed to be funded through the allocation of Stream Environment Zone (SEZ) and Watershed Restoration Program funds.

The Silvertip Erosion Control Project is specifically identified in TRPA's updated Environmental Improvement Program (EIP) as project #713. The primary problem addressed by the project is erosion on unprotected parcels that results in the discharge of sediment and nutrients to Lake Tahoe.

II. Project Description

The objective of the Silvertip project is to reduce erosion and the discharge of sediment and nutrients into Lake Tahoe. Currently, the project area has eroding roadside shoulders, bare cut slopes in some areas, and unstable drainages that are substantial sources of sediment and nutrients. The County proposes to construct extensive erosion source controls such as sand trapping devices, treatment basins, and storm drain pipe to control erosion along road shoulders and drainageways along road shoulders and drainageways. Specifically, proposed improvements for the project as a whole include one detention and infiltration basin, 811 linear feet of storm drain pipe, approximately 22,500 square feet of revegetation, two sediment traps, two drop inlets with transverse drains and sumps, and 115 square feet of asphalt paving. These improvements

will effectively control erosion and reduce runoff velocities, thus enhancing infiltration. In particular, treated runoff will be discharged to Lake Tahoe through a storm drain pipe to be placed along the property line of APNs 16-101-91 and 16-101-92, the two parcels for which additional acquisition funds are being requested. Exhibit 2 shows the proposed improvements.

As noted in previous staff recommendations for this project, the County is proposing to construct improvements on three parcels owned by the Conservancy. On APN 16-101-56, a culvert collecting runoff from Highway 89 is proposed. On APNs 16-101-53 and 16-101-54, a detention and infiltration basin is proposed. Exhibit 2 also shows the proposed improvements on Conservancy parcels.

The County is requesting additional funds necessary to complete the acquisition of two easements needed for the project. Additional funding is needed to acquire larger and different easement areas; and because property values have increased substantially since 1999.

The 1998 and 1999 acquisition grants, totaling \$150,500, included funding for acquisition of up to three easements by the County for the construction of the water quality improvements. The parcels on which the easements were originally proposed are APNs 16-101-55, 16-101-90, and 16-101-91. The easement on APN 16-101-55 was secured in 2000 using funds from the original Conservancy acquisition grant. During the development of the Silvertip Project, the County encountered substantial delays due to protracted litigation between Caltrans and a private property owner within the project area. Due to the protracted litigation, the owner ceased negotiating with the County for the easement on his property, and the County stopped work on the project design. Shortly after the liability portion of the litigation was settled, the owner requested that the location of the proposed easement be changed from the southerly property line to the northerly property line. After these events, the County reinitiated design of the project. The remaining easements to be acquired now affect APNs 16-101-91 and 16-101-92. Exhibit 3 is a schematic map of the proposed acquisitions (cross-hatched area) and associated improvements.

The design concept has not changed significantly; however, detailed surveying and design has shown that more substantial easement areas and different parcels are required to implement the project. Originally, a 1,600-square foot easement was proposed on APN 16-101-91 and a 1,000-square foot easement was proposed on APN 16-101-90. Currently, a 2,803-square foot easement is proposed on APN 16-101-92 and a 2,012-square foot easement is proposed on APN 16-101-91. These two easements currently have an appraised value of \$250,000.

The northerly property line alignment on APN 16-101-91 is a superior alignment because it requires the removal of fewer and smaller diameter trees. There is also more space between the two residences in which to install the storm drain to the lake. The outfall area has existing boulders to dissipate flows from the outlet structure.

III. Project Budget and Schedule

Staff is recommending a grant augmentation of \$189,500 to cover the cost of two easement acquisitions, negotiations, escrow costs, administration, and contingencies (Exhibit 4). Specific

amounts for budget items may change, but the total budget will not exceed the total amount of the augmented acquisition grant. Exhibit 5 shows the acquisition schedule.

IV. Implementation

If this staff recommendation is approved, the Conservancy will execute an amendment to the existing acquisition grant agreement with the County. This agreement will require the County to maintain the area consistent with the purposes and scope of the grant and to indemnify and hold the Conservancy harmless from any injury or damage associated with the proposed improvements and management of the property. Pursuant to the Conservancy's Soil Erosion Control Grant Program Guidelines, the list of parcels and the project budget may be revised in order to achieve project objectives provided that such changes do not exceed the total amount of the grant.

V. Staff Evaluation

Staff recommends that the Conservancy approve an acquisition grant augmentation of \$189,500. This project and the proposed acquisitions meet the overall program objectives by treating stormwater in a cost-effective manner.

Significant and documentable benefit to Lake Tahoe water quality

TRPA's Water Quality Management Plan for the Lake Tahoe Region was prepared pursuant to the requirements of Section 208 of the Federal Clean Water Act and is often referred to as the "208 Plan". The 208 Plan is a key document guiding water quality management in the Tahoe Basin. TRPA's EIP complements and updates the Capital Improvements Program of the 208 Plan. The Silvertip erosion control project is listed in TRPA's EIP as project # 713.

The 208 Plan states that management practices necessary to control the problems associated with streets, roads, and highways should be geared toward infiltration of runoff; revegetation of denuded areas; and stabilization of unstable drainages, slopes, and shoulders. Without proper stabilization these areas are potential sediment sources that can affect Lake Tahoe. According to the 208 Plan, street and road networks, in combination with existing development, represent a large source of elevated sediment and nutrient loads that the lake is currently receiving. Studies in other parts of the country indicate that best management practices (BMPs) can reduce yields of suspended sediment from small urbanized areas by 80 to 100 percent, and yields of phosphorus and nitrogen by 40 to 80 percent. The long-term decline in lake clarity has long been associated with increased algal productivity. Studies by the Tahoe Research Group (TRG) indicate that the lake is now phosphorus-limited; adding phosphorus to the lake increases algal productivity more than other nutrients, like nitrogen. Algal growth is particularly responsive to the combination of nutrients, trace elements, and natural organic compounds released by the erosion of Tahoe watersheds. Since phosphorus adheres to sediment, it often enters Lake Tahoe attached to sediment contained in surface runoff, particularly fine sediment. Recent TRG studies also indicate that very fine inorganic particles may significantly contribute to the reduced clarity of the lake. Conservancy projects work to control waterborne nutrient and fine sediment inputs

to tributaries and the lake by reducing and preventing erosion, reducing runoff volume generated, and treating storm water to remove pollutants.

Installation of storm drain pipe and paved swales reduces erosion by providing a non-erodible surface to carry runoff and helps control the path the storm runoff takes. Drainage improvements, such as rock-lined channels, reduce erosion by decreasing the velocity of runoff and by protecting underlying soils. Revegetation of road shoulders reduces erosion by physically stabilizing soil. Sediment traps and infiltration and treatment basins help remove sediment and nutrients from storm runoff. The infiltration and treatment improvements also may reduce the peak flows and slow the delivery of storm runoff to the treatment basins within the project area. Site improvements from this project will contribute to the goal of completing the EIP and bringing all County roads into compliance with the 208 Plan's goal of completing all Best Management Practices on County roads by 2008.

The project will meet the program's resource objectives through the stabilization of roadside slopes and drainageways, and the construction of water quality treatment facilities. These improvements will significantly reduce the discharge of sediment and nutrients to Lake Tahoe and will contribute to the protection of the clarity of the lake.

The erosion problems within the Silvertip project area are visibly apparent and result in the direct discharge of sediment and nutrients to the Lake. Stabilizing the drainageways and providing sediment traps and detention basins for infiltration and sedimentation will reduce the nutrient and sediment delivery to the lake.

Comprehensiveness - The proposed acquisitions and improvements address the identified erosion problems within the project area. A wide range of improvements is being constructed which will control erosion and treat and infiltrate stormwater.

Implementability - The design of the Silvertip Project is approximately 90% complete and construction is scheduled for the 2004 construction season. Although negotiations regarding the acquisition cost for one of the easements are not final, the owners of both parcels are apparently willing to grant the desired easements to the County for the purposes described in this recommendation.

Adequacy of design - The proposed combination of treatment measures and their placement on the site are appropriate for addressing the identified problems within the project area. Proven water quality improvement techniques will be used, including sediment traps and basins, culverts, and revegetation. These treatment measures will reduce the sediment and nutrient loads currently being discharged to Lake Tahoe.

Support - The Silvertip Erosion Control Project is specifically identified as project #713 in TRPA's updated EIP. Both Lahontan Regional Water Quality Control Board and TRPA staff support the proposed improvements.

VI. Consistency with the Conservancy's Enabling Legislation

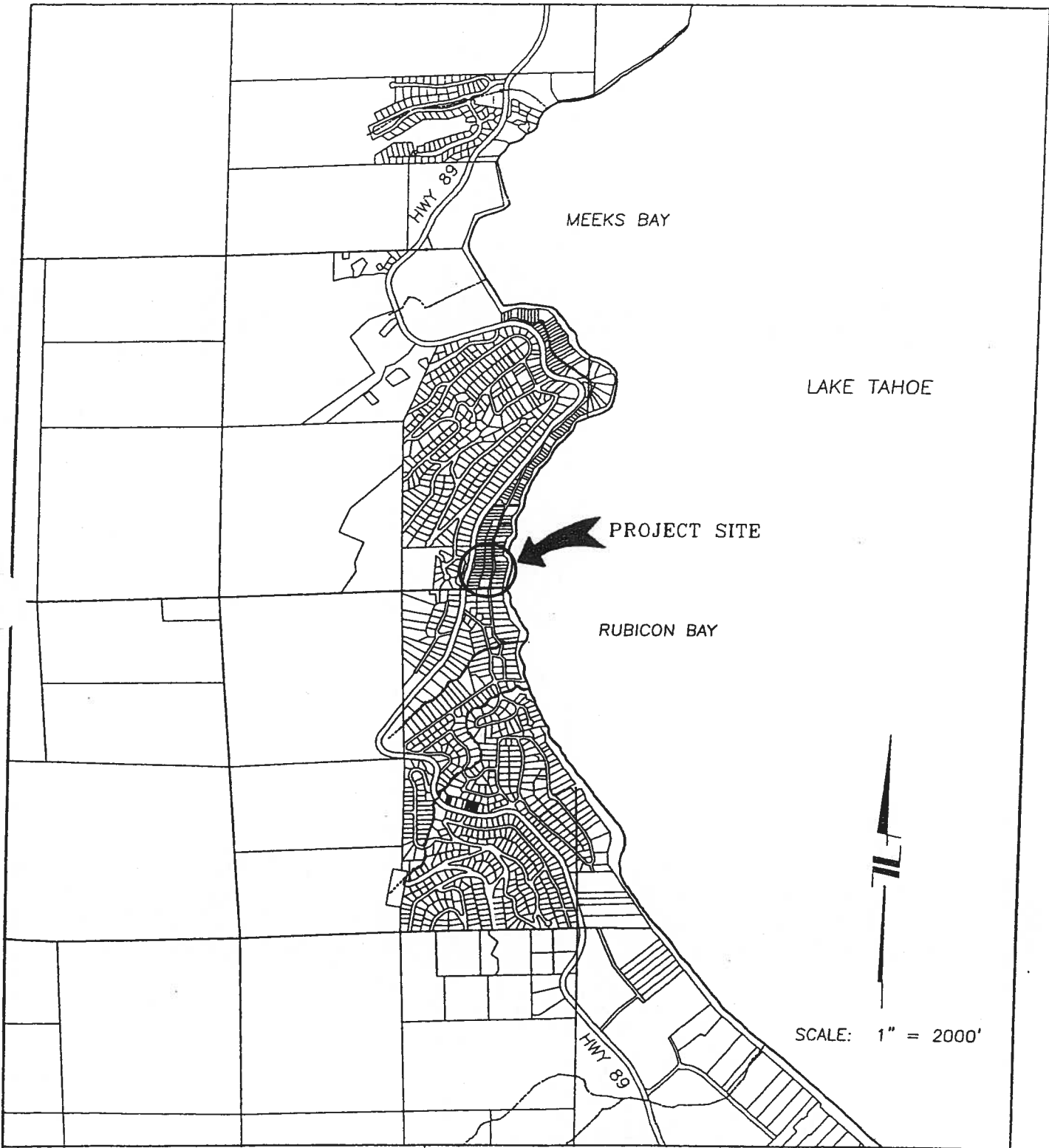
Pursuant to Government Code Section 66907.7, the Conservancy is authorized to award grants to local public agencies, State agencies, Federal agencies and nonprofit organizations for the purposes of its enabling legislation. As described in Government Code Section 66907, these purposes include protecting the natural environment, providing public access or public recreational facilities, preserving wildlife habitat areas or providing access to or management of acquired lands. The improvements proposed will protect the natural environment by providing water quality treatment and soil erosion control.

VII. Consistency with the California Environmental Quality Act (CEQA)

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 6 contains the County's Notice of Determination, the Negative Declaration, and the CEQA Initial Study for the project.

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. In 1998, the board made a finding that the project would have no significant effect on the environment, and staff filed a Notice of Determination with the State Clearinghouse in accordance with Section 15096 of the State CEQA Guidelines (Exhibit 7). In staff's opinion, the current funding request is for project elements that are within the original project description, and there are no new potentially significant environmental impacts that were not previously analyzed. Therefore, if the board concurs, no new environmental documents will be filed.

EXHIBIT 1



EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



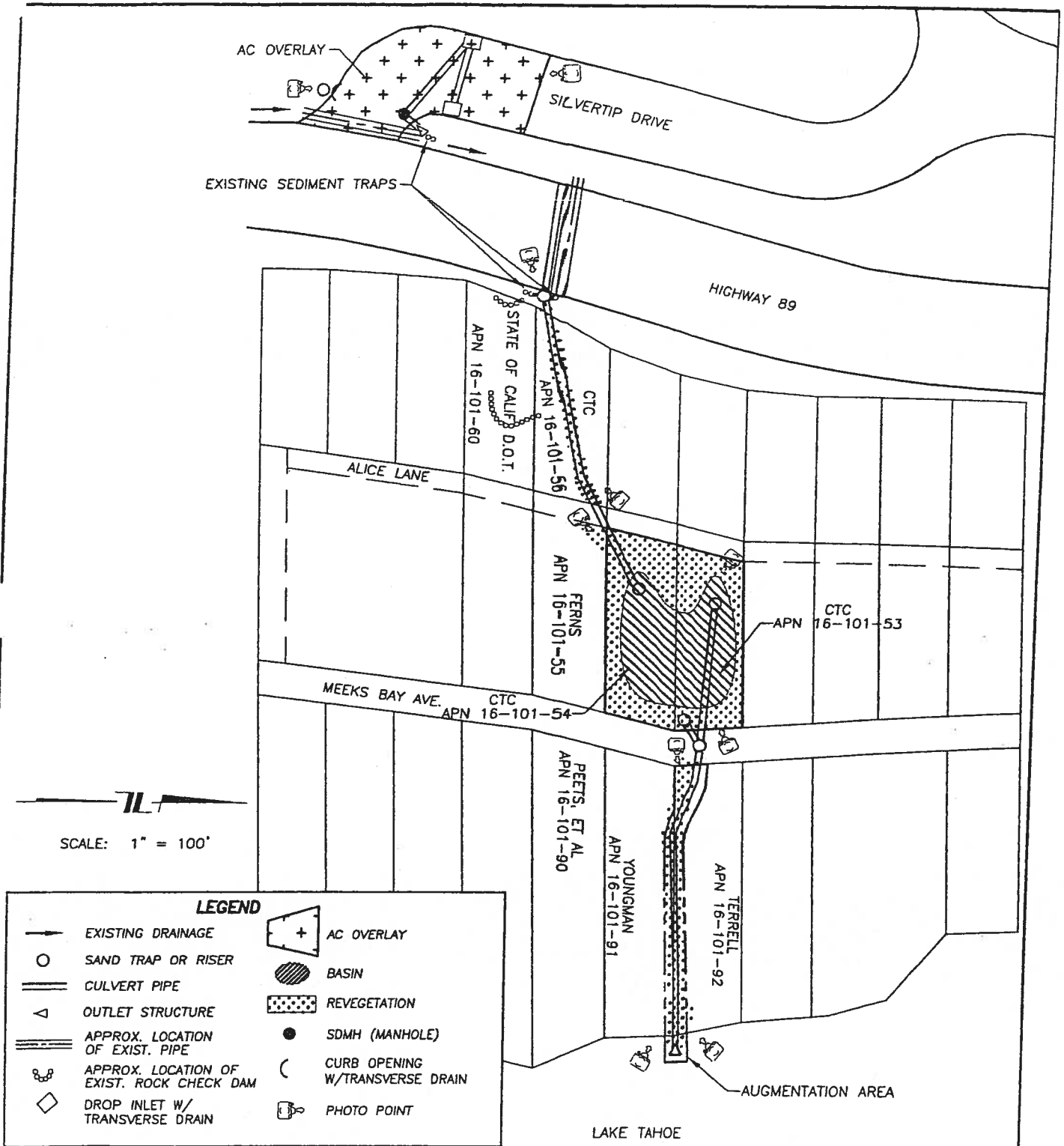
2004 CTC GRANT APPLICATION
RIGHT-OF-WAY AUGMENTATION
SILVERTIP EROSION CONTROL PROJECT
Location Map

EXHIBIT

1

DATE: 4/04 PROJECT NO.: 95141 BY: DRF

EXHIBIT 2



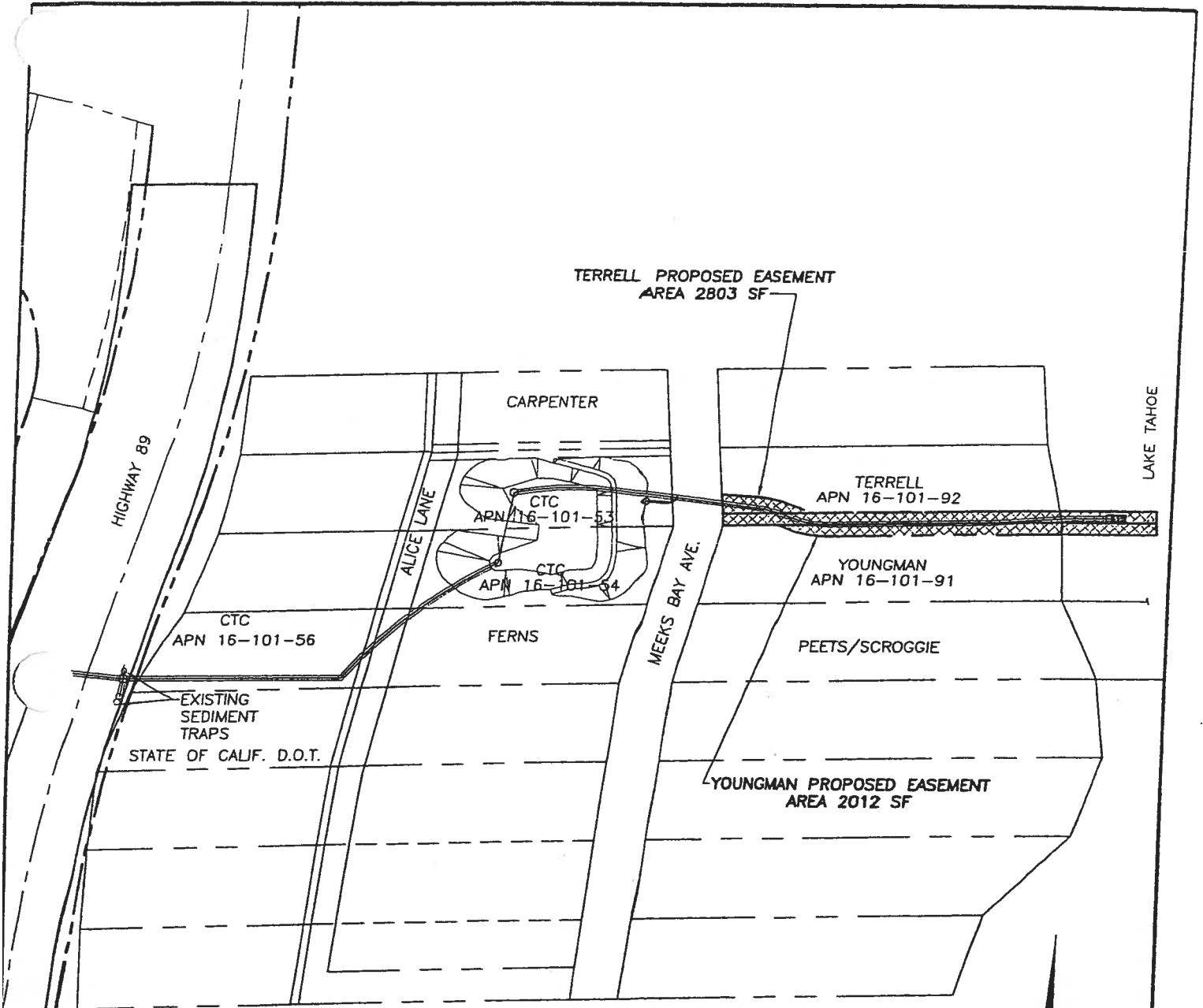
EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE

2004 CTC GRANT APPLICATION
RIGHT-OF-WAY AUGMENTATION
SILVERTIP EROSION CONTROL PROJECT
Proposed Improvements and Photo Monitoring Points

DATE: 4/04 PROJECT NO.: 95141 BY: DRF

EXHIBIT
2

EXHIBIT 3



SCALE: 1" = 100'

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE

2004 CTC GRANT APPLICATION
RIGHT-OF-WAY AUGMENTATION
SILVERTIP EROSION CONTROL PROJECT
Property Acquisition and Public Ownership Map

| | | |
|------------|--------------------|---------|
| DATE: 4/04 | PROJECT NO.: 95141 | BY: DRF |
|------------|--------------------|---------|

EXHIBIT
3

PROPERTY ACQUISITION BUDGET

EXHIBIT 4

| | |
|--|------------------|
| Easement Acquisitions | \$250,000 |
| Preliminary Title Report, Negotiations and Escrow (Remaining) | |
| 2 @ \$4500/parcel | \$9,000 |
| Design and Administration | \$10,400 |
| Surveying Property Net & Legal Descriptions | \$13,285 |
| Expenses Through 3/5/04 for negotiations, easement and escrow costs for APN 16-101-55, appraisals, preliminary title report, Design and Administration, Property Net & Legal Descriptions | \$53,735 |
| SUBTOTAL | \$336,420 |
| contingency @ 10% | \$3,580 |
| TOTAL ESTIMATED ACQUISITION COSTS | \$340,000 |

Prior Conservancy Funding \$150,500

GRANT AUGMENTATION REQUEST

\$189,500.00

EXHIBIT 5

ESTIMATED ACQUISITION SCHEDULE

| | |
|---|--------------|
| Request addition of APN 16-101-92 and deletion of 16-101-90 | DEC 2003 |
| Request Preliminary Title Report for APN 16-101-92 and updated Report for APN 16-101-91 | DEC 2003 |
| Request Appraisals for APNs 16-101-91 and 16-101-92 | JAN 2004 |
| Submit Preliminary Title Reports for APNs 16-101-91, and 16-101-92 for CTC review | JAN 2004 |
| Request Appraisals for APNs 16-101-91 and 16-101-92 | MAR 4, 2004 |
| Submit Appraisals to CTC for APNs 16-101-91 and 16-101-92 | MAR 9, 2004 |
| Receive CTC approval of Appraisals for APNs 16-101-91 and 16-101-92 | MAR 16, 2004 |
| CTC approval of easement documents for APNs 16-101-91 and 16-101-92 | MAR 26, 2004 |
| Negotiations and Agreement of Sales for APNs 16-101-91 and 16-101-92 | MAY 2004 |
| Close of Escrow for APNs 16-101-91 and 16-101-92 | JUL 2004 |

EXHIBIT 6

NOTICE OF DETERMINATION FILE NO. _____

ENDORSE



TO: COUNTY CLERK
County of El Dorado
330 Fair Lane
Placerville, CA 95667

FROM: DEPARTMENT OF TRANSPORTATION
County of El Dorado
1121 Shakori Drive
South Lake Tahoe, CA 96150

FILED

JAN 20 1998

WILLIAM E. SCHULTZ, Recorder-Cl
By M. A. VAN RUSKIE

OFFICE OF PLANNING AND RESEARCH
1400 Tenth Street
Sacramento, California 95814

SUBJECT: Filing of NOTICE OF DETERMINATION in compliance with Section 21108 or 21152 of the Public Resources Code.

PROJECT TITLE: Silvertip Erosion Control Project

STATE CLEARINGHOUSE NUMBER : 97112067

CONTACT PERSON: Amy Dillon TELEPHONE NUMBER: (530) 573-3180

PROJECT LOCATION: Meeks Bay Vista Subdivision, south of Meeks Bay, east of Hwy 89, West Shore of Lake Tahoe

PROJECT DESCRIPTION: Construction of erosion control/water quality improvements consisting of infiltrators and basins, culverts, sediment traps, rock-lined channels, permeation grouting, and easement acquisitions.

The EL DORADO COUNTY Board of Supervisors has approved the above described project and has made the following determinations regarding the project:

- 1) Project will will not, have a significant effect on the environment.
- 2) An Environmental Impact Report was prepared pursuant to provisions of CEQA.
 A Negative Declaration was prepared pursuant to provisions of CEQA.
The EIR or Negative Declaration and record of project approval may be examined at:

El Dorado County Department of Transportation
1121 Shakori Drive, South Lake Tahoe, CA 96150

- 3) Mitigation Measures were were not, made a condition of the approval of the project.
- 4) A Statement of Overriding Considerations was was not, adopted for this project.

te Received for Filing _____

Michael F. Stoly

Signature

FISH AND GAME AB 3158 FEES

- Project is de minimis in effect. No fee required.
- Negative Declaration filed. \$1,275.00 fee required.
- EIR filed. \$875.00 fee required.

Director of Transportation 09-1264.B3.16
Title



COUNTY OF EL DORADO

DEPARTMENT OF TRANSPORTATION JN

TAHOE ENGINEERING
1121 Shakori Drive
South Lake Tahoe, California 96150

Phone: (530) 573-3180
FAX: (530) 577-8402



November 21, 1997

TO: Silvertip Erosion Control Project CEQA Document Reviewers (JN 95141)

Enclosed is the Initial Study for the Silvertip Erosion Control Project. This document has been prepared to accompany an application for funding to the California Tahoe Conservancy.

The proposed project is located south of Meeks Bay in the Meeks Bay Vista Subdivision, Lake Tahoe, California.

The proposed project consists of installing an infiltration basin, sediment traps, culverts, an outlet to Lake Tahoe, and slope stabilization measures.

El Dorado County intends to seek a mitigated Negative Declaration for this project. Persons wishing to comment should focus on the proposed finding that the project and its mitigation measures will not have a significant effect on the environment. Please send comments to:

Bruce R. Lee, Supervising Civil Engineer
El Dorado County
Department of Transportation
1121 Shakori Drive
South Lake Tahoe, CA 96150

The public review period shall begin on Wednesday, November 26, 1997 and shall end on Friday, December 26, 1997. Comments received after the ending date will not be considered.

Sincerely,

Bruce R. Lee
Supervising Civil Engineer

BRL/lm

Enclosure

09-1264.B3.17

Date of Completion

Form A

See NOTE below

SCH # _____

Mail to: State Clearinghouse, 1400 Tenth Street, Sacramento, CA 95814 916/445-0613

Project Title: SILVERTIP EROSION CONTROL PROJECT

Lead Agency: El Dorado County Department of Transportation Contact Person: Amy Dillon

Project Address: 1121 Shakori Drive Phone: (530) 573-3180

City: South Lake Tahoe Zip: 96150 County: El Dorado

Project Location

County: El Dorado County City/Nearest Community: Meeks Bay (nearest community)

Address: Hwy 89, Meeks Bay Ave, Alice Lane Zip Code: n/a Total Acres: 0.8±

Assessor's Parcel No. n/a Section: 29 Twp. 14N Range: 17E Base: MDM

Within 2 Miles: State Hwy #: 89 Waterways: Lake Tahoe

Airports: _____ Railways: _____ Schools: _____

Document Type

- NEPA: NOP Supplement/Subsequent NEPA: NOI Other: Joint Document
- Early Cons EIR (Prior SCH No.) EA Final Document
- Neg Dec Other _____ Draft EIS Other _____
- Draft EIR FONSI

Final Action Type

- General Plan Update Specific Plan Rezone Annexation
- General Plan Amendment Master Plan Prezone Redevelopment
- General Plan Element Planned Unit Development Use Permit Coastal Permit
- Community Plan Site Plan Land Division (Subdivision, Parcel Map, Tract Map, etc.) Other _____

Development Type

- Residential: Units _____ Acres _____ Water Facilities: Type _____ MGD _____
- Office: Sq.ft. _____ Acres _____ Employees _____ Transportation: Type _____
- Commercial: Sq.ft. _____ Acres _____ Employees _____ Mining: Mineral _____
- Industrial: Sq.ft. _____ Acres _____ Employees _____ Power: Type _____ Waits _____
- Recreational: _____ Waste Treatment: Type _____
- Other: _____ Hazardous Waste: Type _____
- Other: _____

Key Issues Discussed in Document

- Aesthetic/Visual Flood Plain/Flooding Schools/Universities Water Quality
- Cultural Land Forest Land/Fire Hazard Septic Systems Water Supply/Groundwater
- Quality Geologic/Seismic Sewer Capacity Wetland/Riparian
- Geological/Historical Minerals Soil Erosion/Compaction/Grading Wildlife
- Critical Zone Noise Solid Waste Growth Inducing
- Drainage/Absorption Population/Housing Balance Toxic/Hazardous Landuse
- Economic/Jobs Public Services/Facilities Traffic/Circulation Cumulative Effects
- Other: _____ Recreation/Parks Vegetation Other _____

Final Land Use/Zoning/General Plan Use

n/a

Project Description

Construction of erosion control and water quality improvements consisting of an infiltration basin, culverts, sediment traps, rock-lined channel, permeation grouting, acquisition.

Reviewing Agencies Checklist

KEY

- S = Document sent by lead agen
- X = Document sent by SCH
- ✓ = Suggested distribution

- ___ Resources Agency
- ___ Boating & Waterways
- ___ Coastal Commission
- ___ Coastal Conservancy
- ___ Colorado River Board
- ___ Conservation
- ✓ Fish & Game
- ___ Forestry
- ___ Office of Historic Preservation
- ___ Parks & Recreation
- ___ Reclamation
- ___ S.F. Bay Conservation & Development Commission
- ___ Water Resources (DWR)
- Business, Transportation & Housing**
- ___ Aeronautics
- ___ California Highway Patrol
- ✓ CALTRANS District # 3
- ___ Department of Transportation Planning (headquarters)
- ___ Housing & Community Development
- Food & Agriculture**
- Health & Welfare**
- ___ Health Services
- State & Consumer Services**
- ___ General Services
- ___ OLA (Schools)

- Environmental Affairs**
- ___ Air Resources Board
- ___ APCD/AQMD
- ___ California Waste Management Board
- ___ SWRCB: Clean Water Grants
- ___ SWRCB: Delta Unit
- ___ SWRCB: Water Quality
- ___ SWRCB: Water Rights
- S Regional WQCB # _____ (Lahontan Region)
- Youth & Adult Corrections**
- ___ Corrections
- Independent Commissions & Offices**
- ___ Energy Commission
- ___ Native American Heritage Commission
- ___ Public Utilities Commission
- ___ Santa Monica Mountains Conservancy
- ✓ State Lands Commission
- S Tahoe Regional Planning Agency
- S Other California Tahoe Conservancy
- S Department of General Services, Real Estate Division

Public Review Period (to be filled in by lead agency)

Starting Date November 26, 1997

Ending Date December 26, 1997

Signature *Dwain R Lee*

Date 11/21/97

Lead Agency (Complete if applicable):

Consulting Firm: _____

Address: _____

City/State/Zip: _____

Contact: _____

Phone: (____) _____

Applicant: El Dorado County Dept. of Trans.

Address: 1121 Shakori Drive

City/State/Zip: South Lake Tahoe CA 96150

For SCH Use Only:

Date Received at SCH _____

Date Review Starts _____

Date to Agencies _____

Date to SCH _____

Clearance Date _____

Notes: _____

EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

CEQA INITIAL STUDY

FOR

The Silvertip Erosion Control Project

State Clearinghouse No. _____

Job Number: 95141

Date: November 21, 1997

El Dorado County
 Department of Transportation
 Silvertip Erosion Control Project
 Initial Study

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SILVERTIP EROSION CONTROL PROJECT

Initial Study

I. INTRODUCTION

This Initial Study is based on preliminary design and is prepared for the California Tahoe Conservancy grant funding for the Silvertip Erosion Control Project.

El Dorado County intends to seek a mitigated Negative Declaration for this project. This CEQA document has been prepared before the design review process has been completed. However, the design concepts are known and any changes are expected to be minimal. If significant impacts or new mitigation measures become necessary as a result of the review process, El Dorado County will recirculate the CEQA document to address any new issues.

The initial review process shall begin November 26, 1997, and end on December 26, 1997. Comments received after the ending date shall not be considered.

II. PROJECT DESCRIPTION

A. PROJECT LOCATION

The project is located in northeastern El Dorado County, in the South Tract of the Meeks Bay Vista Subdivision on the west shore of Lake Tahoe, as shown in Figure A. The project area is between State Highway 89 to the west and Lake Tahoe to the east, approximately between 150 feet to 300 feet north of the southerly line of the subdivision.

B. SITE DESCRIPTION

The project area encompasses public property owned by the California Tahoe Conservancy (CTC), U.S. Forest Service (USFS), and private property. Access to the area is from State Highway 89 along Meeks Bay Avenue which is paved. Alice Lane, which is unpaved, provides access to the lots between State Highway 89 and Meeks Bay Avenue. Approximately 43% of the lots within the project area have been developed with single family residences. Existing utilities servicing the site are underground and overhead.

Based on the Tahoe Land Guide prepared by K.B. Foster, land capability classes for the project area include classes 1a and 6. The corresponding soil types accompanying these classes are Meeks very stony loamy coarse sand (MsE) and Jabu coarse sandy loam (JaD). The shorezone tolerance district designation for the project area is 4, Volcanic rock, morainic debris, or alluvial areas with crumbling cliffs or erosion potential. The Tahoe Land Guide land capability classes, SCS soil types, and shorezone tolerance districts in and surrounding the project area are shown on Figure B. El Dorado County will obtain class, shorezone and SEZ verification from TRPA during the final design of the project.

C. PROJECT NEED

Pursuant to the requirements of Section 208 of the Clean Water Act, TRPA has prepared a Water Quality Management Plan (208 Plan) for the Lake Tahoe Basin. This plan identifies erosion, runoff, and disturbance resulting from land development and roadways as causative factors of the decline of Lake Tahoe's water quality.

Overflow from two sand traps and discharge from an 18 inch culvert crossing State Highway 89 currently flows from the highway toward two rock check dams constructed within Caltrans right-of-way and an USFS owned lot (APN 16-101-60) adjacent to the highway. A portion of the check dams may have been constructed on the CTC owned lot (APN 16-101-56) north of the USFS lot. Beyond the check dams, flows continue uncontrolled to the east, approximately 450 feet to Lake Tahoe.

Erosion is evident on the sloped (10%±) USFS lot and CTC lot to the north, adjacent to the

highway, and around the edges of the check dams. East of the USFS and CTC lots the primary direction of the drainage is less distinct. Deposits of sediment and other deleterious materials are apparent around the check dams and the lots northeasterly of the check dams, between Alice Lane and Meeks Bay Avenue. This indicates a general direction of flow east toward the lake. Significant slope failure has occurred on the steep slope adjacent to the lake (APN 16-101-90, see Figure C). Runoff not contained within the check dams, in addition to the uncontrolled flow pattern, has eroded slopes and increased sediment loading in the runoff flowing to the lake, contributing to an increase in the degradation of the water quality of Lake Tahoe.

D. PROJECT HYDROLOGY

During the design of the proposed project, hydrology and hydraulic studies will be performed and included in the Project Report. The Project Report will be reviewed by all funding and regulatory agencies.

E. PROPOSED IMPROVEMENTS

In an effort to minimize the amount of pollutants reaching Lake Tahoe, El Dorado County proposes the improvements depicted in Figure D. The County's objectives are as follows:

1. Minimize sediment from the unpaved road surface by intercepting runoff.
2. Convey sediment laden storm water runoff through detention and infiltration facilities prior to discharging into Lake Tahoe.
3. Stabilize the slope failure adjacent to the lake with permeation grouting.

Both sediment trapping and infiltration facilities are proposed. A rock lined channel will convey drainage from the existing rock check dams adjacent to State Highway 89 across the USFS and CTC owned lots (APN 16-101-60 & -56) into a single, vertical CMP sediment trap on the west side of Alice Lane. The existing rock check dam farthest from the existing culvert may be reconstructed to align with the rock lined channel. From the sediment trap, drainage will be conveyed into a culvert under Alice Lane to an infiltration basin on adjacent CTC owned lots (APN 16-101-53 & -54). The infiltration basin will trap additional sediment and detain runoff for infiltration into the soil. If possible, the infiltration basin will be sized to retain the runoff from the 20-year, 1-hour storm event. Any discharge of over-capacity flows from the basin will be conveyed to the lake via sediment trap and culvert. Two manholes will be installed along this second culvert reach. The culvert reach down the steep slope will be supported by a slurry mix backfill or other supportive treatment within the culvert trench area. The culvert outlet at the lake will be supported by a structure designed to dissipate the energy of the flows into the lake.

^ All new culverts will be at least 18 inches in diameter to facilitate maintenance.

Permeation grouting is proposed for the slope stability treatment adjacent to the lake. This procedure involves high pressure injection of a concrete mix into the soil beneath the slope face. Due to the current condition of the slope, a thorough evaluation of treatment options appears necessary and alternative treatments for stabilizing the slope such as retaining structures are being reviewed.

Revegetation will be used to restore areas disturbed during the construction of the drainage facilities. Erosion control blanket with the seed mix and plants normally specified by the County followed by protective mulch will be used. In addition, the County will coordinate with those affected homeowners, the replacement of vegetation within private property removed or otherwise disturbed as a result of construction. Revegetation work is anticipated to be performed by the California Conservation Corps (CCC).

During the final design of the project, a percolation test boring will be made in the proposed infiltration basin area to determine ground water elevations and soil infiltration rates. This information will be used to verify basin configuration and final runoff volumes. El Dorado County Department of Transportation (EDOT) staff will also install a ground water monitoring well at the site of the basin. Monitoring the ground water elevation in this well, in conjunction with the percolation testing, will give an idea of the infiltration potential of the basin at various times of the year.

F. RIGHT OF WAY ACQUISITION

An effort was made to utilize publicly owned lots for the drainage facilities where practical. It is estimated that 1 USFS owned lot, 3 CTC owned lots and 3 easement acquisitions from private owners will be necessary for the sediment, infiltration, and conveyance structures and slope stabilization treatment. Figure D shows the ownership and Assessor's Parcels Numbers of these lots.

G. MITIGATION MEASURES

The goal of this project is to mitigate adverse impacts to the water quality of Lake Tahoe by controlling runoff and erosion. The project also includes proposals which require mitigation to prevent potential environmental impacts and to comply with local environmental regulations. Additional mitigation measures are required to alleviate any potential adverse impacts caused by the construction of the project. These potential impacts and associated mitigation measures are summarized below.

Noise: Impacts resulting from heavy machinery noise will be reduced by restrictions included in Caltrans Standard Specifications and the construction contract's Special Provisions including requirements for day time work hours.

Erosion: Erosion hazards caused by soils disturbance will be mitigated by temporary erosion control requirements in the construction contract's Special Provisions based on TRPA's Best Management Practices Handbook and by permanent stabilization with rock-lining, revegetation treatments, slurry and/or permeation grouting.

Traffic: Impacts from alterations to traffic patterns will be minimized by the implementation of a Traffic Control Plan consisting of signage, flaggers, detours, and notifications.

SEZ Disturbance: Based on the Tahoe Land Guide prepared by K.B. Foster, no SEZ designation is within the project site. See Figure B.

Tree Removal: Because the Silvertip project design is in the preliminary stage, a detailed plan for the work has not been developed and a tree removal count has not been performed. Removal of trees, some of which will be required for the infiltration basin construction, will produce soil instability in the rootzone area and increase light penetration. No trees will be removed that open up offensive views or that are old enough to constitute a visual resource. Mitigation will include revegetation aimed at stabilizing all bare soil areas and inclusion of several tree species in the revegetation plan. Irrigation and replanting will be performed during the two growing seasons following construction to ensure plant survival. Trees to be removed as a part of this project will be noted on the plans during the TRPA permit process.

H. MITIGATION MONITORING

Mitigation measures described in section G of this Initial Study, the Environmental Checklist, and the Environmental Assessment will require monitoring to assure that the desired result is achieved.

Mitigation of potential impacts due to construction will be carefully monitored by a full time construction inspector provided by the County. This inspector will insure that the temporary erosion control requirements and other environmental protection requirements are strictly adhered to by the Contractor. In addition to County inspections, the regulatory agencies will review project plans and specifications to ensure compliance with local, state and federal requirements. These agencies also visit projects in progress to enforce BMP's.

Photographs will be taken before and after construction for a period of two years, and following significant storm events, to comply with CTC grant conditions and monitor the performance of the improvements. Figure D shows proposed photo monitoring points.

The maintenance and monitoring of the project will continue well after completion of construction. Revegetation monitoring and establishment will continue for a minimum of two years following construction. Plant establishment will include irrigation and replanting if necessary. The County will inspect all project improvements during the Spring and Fall of each

year during the twenty year maintenance period required by erosion control grant conditions. County engineering staff will direct maintenance staff to provide maintenance of new facilities based on results of the inspections.

I. COVERAGE AND PERMIT ISSUES

No change to existing coverage is proposed by this project, therefore no additional mitigation is required. However, verification by TRPA may determine that additional mitigation is required. At that time, the impact will be mitigated in accordance with the requirements of Chapter 20 of the TRPA Code of Ordinances.

In addition to a permit from TRPA, a Waste Discharge Permit from Lahontan will be required. Since work is to be performed down slope at the shoreline of Lake Tahoe, a Fish and Game Permit will probably be required in addition to possible authorization from the California State Lands Commission. As the proposed rock-lined channel may encroach into Caltrans right-of-way, a Caltrans Encroachment Permit may be required.



County of El Dorado
DEPARTMENT OF TRANSPORTATION



ENVIRONMENTAL CHECKLIST FORM

1. Project Title: Silvertip Erosion Control Project
2. Lead Agency Name and Address:
El Dorado County Department of Transportation
1121 Shakori Drive
South Lake Tahoe, CA 96150
3. Contact Person and Phone Number: Amy Dillon, (530) 573-3180
4. Project Location: Meeks Bay Vista Subdivision area, South of Meeks Bay, Lake Tahoe
5. Project Sponsor's Name and Address: El Dorado County Dept. of Transportation, address above.
6. General Plan Designation: N/A
7. Zoning: N/A

8. Description of Project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation: Attach additional sheets if necessary)
Construction of drainage, erosion control, and water quality BMP's. See narrative of initial study.

Surrounding Land Uses and Setting: Briefly describe the project's surroundings:
Single family residential; shrub and wooded terrain with moderate to slight slopes, steep slope adjacent to Lake Tahoe; State Highway to the west, Lake Tahoe to the east. See narrative of initial study.

9. Other public agencies whose approval is required (e.g. permits, financing approval, or participation agreement.)
Tahoe Regional Planning Agency, California Tahoe Conservancy, Caltrans, California Regional Water Quality Control Board-Lahontan Region, California Department of Fish and Game, California State Lands Commission.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:
The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | | |
|---|---|--|
| <input type="checkbox"/> Land Use and Planning | <input type="checkbox"/> Transportation/Circulation | <input type="checkbox"/> Public Services |
| <input type="checkbox"/> Population and Housing | <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Utilities & Service Systems |
| <input type="checkbox"/> Ecological Problems | <input type="checkbox"/> Energy & Mineral Resources | <input type="checkbox"/> Aesthetics |
| <input type="checkbox"/> Water | <input type="checkbox"/> Hazards | <input type="checkbox"/> Cultural Resources |
| <input type="checkbox"/> Air Quality | <input type="checkbox"/> Noise | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Mandatory Findings of Significance | | |

ENVIRONMENTAL CHECKLIST FORM

DETERMINATION

(To be completed by the Lead Agency.)

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because the mitigation measures described on an attached sheet have been added to the project. A NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a significant effect(s) on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets, if the effect is a "potentially significant impact" or "potentially significant unless mitigated." An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, there WILL NOT be a significant effect in this case because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards and (b) have been avoided or mitigated pursuant that earlier EIR, including revisions or mitigation measures that are imposed upon the proposed project.

Amy L. Dillon

Signature

Amy L. Dillon

Printed Name

Nov. 21, 1997

Date

El Dorado County

For

| | | | |
|--------------------------------|---|------------------------------|-----------|
| Potentially Significant Impact | Potentially Significant Unless Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------|---|------------------------------|-----------|

LAND USE AND PLANNING. Would the proposal:

Conflict with general plan designation or zoning?

Conflict with applicable environmental plans or

policies adopted by agencies with jurisdiction over the project?

ENVIRONMENTAL CHECKLIST FORM

| | Potentially Significant Impact | Potentially Significant Unless Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--|--------------------------------|---|------------------------------|-------------------------------------|
| c) Be incompatible with existing land use in the vicinity? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Affect agricultural resources or operations (e.g. impacts to soils or farmlands, or impacts from incompatible land uses)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Disrupt or divide the physical arrangement of an established community (including a low-income or minority community)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| I. POPULATION AND HOUSING. Would the proposal: | | | | |
| b) Cumulatively exceed official regional or local population projections? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Induce substantial growth in an area either directly or indirectly (e.g. through projects in an undeveloped area or extension of major infrastructure)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Displace existing housing, especially affordable housing? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| II. GEOLOGICAL PROBLEMS. Would the proposal result or expose people to potential impacts involving: | | | | |
| Fault rupture? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Seismic ground shaking? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Seismic ground failure, including liquefaction? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Seiche, tsunami, or volcanic hazard? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Landslides or mudflows? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Erosion, changes in topography or unstable soil conditions from excavation, grading, or fill) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Subsidence of the land? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

ENVIRONMENTAL CHECKLIST FORM

| | Potentially Significant Impact | Potentially Significant Unless Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--|--------------------------------|---|-------------------------------------|-------------------------------------|
| h) Expansive soils? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| i) Unique geologic or physical features? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| IV. WATER. Would the proposal result in: | | | | |
| a) Changes in absorption rates, drainage patterns, or the rate and amount of surface runoff? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Exposure of people or property to water related hazards such as flooding? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Discharge into surface water or other alteration of surface water quality (e.g. temperature, dissolved oxygen or turbidity)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Changes in the amount of surface water in any water body? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e) Changes in currents, or the course or direction of water movements? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f) Change in the quantity of ground waters, either through direct additions or withdrawals, or through interception of an aquifer by cuts or excavations or through substantial loss of groundwater recharge capability? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g) Altered direction or rate of flow of groundwater? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| h) Impacts to groundwater quality? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| i) Substantial reduction in the amount of groundwater otherwise available for public water supplies? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| AIR QUALITY. Would the proposal: | | | | |
| a) Violate any air quality standard or contribute to an existing or projected air quality violation? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Expose sensitive receptors to pollutants? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

ENVIRONMENTAL CHECKLIST FORM

| | Potentially Significant Impact | Potentially Significant Unless Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--|--------------------------------|---|-------------------------------------|-------------------------------------|
| c) Alter air movement, moisture, or temperature, or cause any change in climate? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Create objectionable odors? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

VI. TRANSPORTATION/CIRCULATION. Would the proposal result in:

| | | | | |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Increased vehicle trips or traffic congestion? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Hazards to safety from design features (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Inadequate emergency access or access to nearby uses? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Insufficient parking capacity on-site or off-site? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Hazards or barriers for pedestrians or bicyclists? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Conflicts with adopted policies supporting transportation (e.g., bus turnouts, bicycle racks)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g) Rail, waterborne or air traffic impacts? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

II. BIOLOGICAL RESOURCES. Would the proposal result in impacts to:

| | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Endangered, threatened or rare species or their habitats (including but not limited to plants, fish, insects, animals, and birds)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Locally designated species (e.g., heritage trees)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Locally designated natural communities (e.g., oak forest, coastal habitat, etc.)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Wetland habitat (e.g., marsh, riparian and vernal pool)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Wildlife dispersal or migration corridors? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

ENVIRONMENTAL CHECKLIST FORM

VIII. ENERGY AND MINERAL RESOURCES. Would the proposal:

| | | | |
|--------------------------------|---|------------------------------|-----------|
| Potentially Significant Impact | Potentially Significant Unless Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------|---|------------------------------|-----------|

- a) Conflict with adopted energy conservation plans?
- b) Use non-renewable resources in a wasteful and inefficient manner?
- c) Result in the loss of availability of a known mineral resource that would be of future value to the region and the residents of the State?

IX. HAZARDS. Would the proposal involve:

- a) A risk of accidental explosion or release of hazardous substances (including, but not limited to: oil, pesticides, chemicals or radiation)?
- b) Possible interference with an emergency response plan or emergency evacuation plan?
- c) The creation of any health hazard or potential health hazard?
- d) Exposure of people to existing sources of potential health hazards?
- e) Increased fire hazard in areas with flammable brush, grass, or trees?

X. NOISE. Would the proposal result in:

-) Increases in existing noise levels?
-) Exposure of people to severe noise levels?

XI. PUBLIC SERVICES. Would the proposal have an effect upon, or result in a need for new or altered government services in any of the following areas:

-) Fire protection?

ENVIRONMENTAL CHECKLIST FORM

| | Potentially Significant Impact | Potentially Significant Unless Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|--------------------------------|---|-------------------------------------|-------------------------------------|
| b) Police protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Schools? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Maintenance of public facilities, including roads? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e) Other governmental services? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XII. UTILITIES AND SERVICE SYSTEMS. Would the proposal result in a need for new systems or supplies, or substantial alterations to the following utilities:

| | | | | |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Power or natural gas? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Communications systems? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Local or regional water treatment or distribution of facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Sewer or septic tanks? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Storm, water drainage? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f) Solid waste disposal? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g) Local or regional water supplies? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XIII. AESTHETICS. Would the proposal:

| | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Affect a scenic vista or scenic highway? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Have a demonstrable negative aesthetic effect? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Create light or glare? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XIV. CULTURAL RESOURCES. Would the proposal:

| | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Disturb paleontological resources? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Disturb archaeological resources? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Affect historical resources? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Have the potential to cause a physical change which would affect unique ethnic cultural values? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

ENVIRONMENTAL CHECKLIST FORM

| | Potentially Significant Impact | Potentially Significant Unless Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|--------------------------------|---|------------------------------|-------------------------------------|
| e) Restrict existing religious or sacred uses within the potential impact area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XV. RECREATION. Would the proposal:

| | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Increase the demand for neighborhood or regional parks or other recreational facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Affect existing recreational opportunities? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XVI. MANDATORY FINDINGS OF SIGNIFICANCE.

| | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant to animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the project have the potential to achieve short-term, to the disadvantage of long-term, environmental goals? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probably future projects.) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

EXPLANATION OF RESPONSES TO QUESTIONS ON THE
ENVIRONMENTAL CHECKLIST FORM

I. LAND USE AND PLANNING

-No Impacts-

II. POPULATION AND HOUSING

-No Impacts-

III. GEOLOGICAL PROBLEMS

e.) Due to the condition of the steep slope adjacent to the lake, additional slope failure may occur during construction. Heavy construction equipment will be required to maintain a specific distance from the top of the slope during excavation and trenching activities. A portion of the trenching and excavation will likely be performed by manual labor.

f.) Excavation and grading of the channels and basins will alter the topography of those areas. Loose soil will be evident during construction. Temporary erosion control requirements based on TRPA's Best Management Practices Handbook will mitigate potential impacts resulting from soil erosion during the construction period. All areas disturbed as a result of construction will be permanently stabilized with revegetation. For the steep slope area, in addition to revegetation, permeation grouting or a slurry-type treatment may be required. All areas of cut, fill or excavation will be permanently stabilized with revegetation or structural support such as rock armoring or slurry mix backfill.

IV. WATER

a.) Current drainage patterns will be altered as a result of this project. The proposed improvements will intercept surface runoff preventing over-capacity flows from the existing rock check dams from continuing uncontrolled to the lake. The proposed project will also change infiltration and the amount of surface runoff. Infiltration and runoff amounts will be altered by the construction or installation of an infiltration basin, sediment traps, rock-lined channel, and culverts. These improvements will help mitigate water quality impacts due to the existing subdivision development and the erosive nature of the soils.

c.) Surface water quality will be altered by improving the quality of the discharge. Sedimentation, revegetation, and infiltration facilities will be constructed that will reduce discharged runoff volume and pollutant loading to surface waters.

d.) The infiltration basin is designed to detain water on site, reducing the amount of drainage currently reaching Lake Tahoe via surface runoff.

e.) Runoff will be diverted from the current direction of flow with the installation of infiltrating facilities, sediment traps, and a rock-lined channel. These diversions and water quality enhancements will reduce flow velocities by detaining and reducing the energy of flows.

without the potential for significant adverse impact.

- f,g.) A minor increase in ground water recharge due to drainage conveyance and infiltration facilities will result in a minor increase in the quantity of ground water. Therefore, we anticipate an insignificant impact because of the relatively minimal amounts of water being conveyed and infiltrated compared to existing ground water stores. Permeation grouting could potentially reduce the transmissibility of the water bearing strata. Permeation grouting fills voids under the slope face, creating pockets of untreated soil between grouted areas. Ground water, although prevented from moving through the treated voids, would still move through the untreated pockets.
- h.) Groundwater quality will be slightly altered by improving the quality of runoff infiltrating into the soil. Sedimentation, revegetation, and infiltration facilities to be constructed will augment the filtering ability of the soil.

V. AIR QUALITY

- d.) During the process of repaving over the culvert in Meeks Bay Avenue, odors from the hot asphalt concrete may be objectionable to some individuals. Since odors will dissipate once the paving operation has been completed and the pavement has cooled, no mitigation measures are required. Diesel fumes and other odors from construction equipment may also be found to be objectionable. Once construction is complete the associated equipment will no longer be on site, therefore, no mitigation measures are required.

VI. TRANSPORTATION/CIRCULATION

- a.) Alterations to traffic patterns will occur during construction; all traffic diversions or detours will be temporary. Each homeowner adjacent to the project site will be notified by mail and notices will be posted on site as to the day construction will take place. At no time will residents be prohibited or emergency vehicles be prevented from reaching a destination.

II. BIOLOGICAL RESOURCES

-No Impacts-

II. ENERGY AND MINERAL RESOURCES

-No Impacts-

HAZARDS

- a,e). During construction, there is the risk of a fuel spill from construction equipment. A spill occurring close to brush, grass, or trees, has the potential to ignite those materials. The Contractor will be required to submit a Spill Contingency Plan that will be subject to the review of the County and the California Regional Water Quality Control Board, Lahontan Region. Furthermore, cleaning of vehicles or construction equipment shall not be permitted on-site.

NOISE

- a.) Noise levels in the project area will increase during construction. Noise from construction will be limited by restrictions included in the Caltrans Standard Specifications and the construction contract Special Provisions. Maximum work day hours will be between 8:00 a.m. and 6:30 p.m.

XI. PUBLIC SERVICES

- d.) The channel, sediment traps, basin, and revegetation will require maintenance for a limited amount of time following construction. The County has a vactor truck which is used annually to remove sediment. Maintenance of the drainage facilities such as sediment removal and vegetation irrigation will be provided by County maintenance workers.

XII. UTILITIES AND SERVICE SYSTEMS

- a,b,c,d.) The proposed project will not result in a need for new systems or supplies, or substantial alterations to existing utilities. However, a thorough utility research will be conducted during the design of the project and the applicable utility companies will be contacted regarding line locations. All known utilities and service laterals will be referenced on the plans. Any potential utility conflict, such as pipe crossings, will be mitigated during the design of the project and shown on the plans.
- e.) There will be no impact to the existing drainage system under State Highway 89. However, the existing rock check dam farthest downstream from the culvert may be reconstructed to align with the rock-lined channel. The location of the existing culvert and check dam is illustrated on Figures C and D.

XIII. AESTHETICS

- b.) It is the opinion of El Dorado County that this project will not result in a demonstrable negative aesthetic impact. As a part of this project, drainage facilities, which some individuals may consider aesthetically unpleasant, will be screened with berms, vegetation, and in the case of exposed concrete, be colored, stamped or otherwise treated. Should some individuals feel a demonstrable negative aesthetic impact is inevitable, meetings will be conducted in an effort to address their concerns and review alternatives.

IV. CULTURAL RESOURCES

-No Impacts-

V. RECREATION

-No Impacts-

VI. MANDATORY FINDINGS OF SIGNIFICANCE

-No Impacts-



County of El Dorado
DEPARTMENT OF TRANSPORTATION



ENVIRONMENTAL ASSESSMENT FORM

File No. _____

Date Filed _____

Project Title Silvertip Erosion Control Project Lead Agency El Dorado County Department of Transportation

Name of Owner N/A Phone N/A

Address N/A

Name of Applicant El Dorado County Department of Transportation Phone (530) 573-3180

Address 1121 Shakori Drive, South Lake Tahoe, CA 96150

Project Location Meeks Bay Vista Subdivision area, South of Meeks Bay, Lake Tahoe

Assessor's Parcels See Figure D Acreage N/A Zoning N/A

Please answer all of the following questions as completely as possible. If more space is needed for your answer, use the back of the page. Subdivisions and other major projects will require a Technical Supplement to be filed together with this form.

Type of project and description: Erosion control project; construction of drainage, erosion control, and water quality BMP's.

What is the number of units/parcels proposed? None

BIOLOGY AND SOILS

Identify the percentage of land in the following slope categories:

80 0 to 10% 10 10 to 15% 5 15 to 20% 5 Over 20%

Have you observed any building or soil settlement, landslides, rock falls, or avalanches on this property or in the nearby surrounding area? Yes. See attached Discussion of Answers.

Could the project affect any existing agriculture uses or result in the loss of agricultural land? No
If so, describe in detail: _____

ENVIRONMENTAL ASSESSMENT FORM

RAINAGE AND HYDROLOGY

6. Is the project located within the flood plain of any stream or river? (If so, which one?) No
7. What is the distance to the nearest body of water, river, stream, or year-round drainage channel? (Name of water body) Lake Tahoe traverses the entire east boundary of the project site.
8. Will the project result in the direct or indirect discharge of silt or any other particles in noticeable amounts into any lakes, rivers, or streams? No
9. Will the project result in the physical alteration of a natural body of water or drainage way? (If so, in what way?) No
10. Does the project area contain any wet meadows, marshes, or other perennially wet areas? Yes. See attached Discussion of Answers.

VEGETATION AND WILDLIFE

1. What is the predominant vegetative cover on the site (trees, brush, grass, etc.)? (Estimate % of each) 30% trees, 50% shrubs, 20% grass
2. How many trees of 6 inch diameter or greater will be removed when this project is implemented? Estimate to be determined during final design phase and will be submitted to TRPA during permit process. See attached Discussion of Answers.

FIRE PROTECTION

3. In what fire structural protection district (if any) is the project located? Meeks Bay Fire Protection District
4. What is the nearest emergency source of water for fire protection purposes? (Hydrant, pond, etc.) Fire hydrants are located within project site.
- What is the distance to the nearest fire station? Approximately 1/2 mile.
- Will the project create any deadend roads greater than 600 feet in length? No
- Will the project involve the burning of any material, including brush, trees and construction materials? No

NOISE QUALITY

Is the project near an industrial area, freeway or major highway? If so, how far? State Highway 89 traverses the entire west boundary of the project site.

What types of noise would be created by the establishment of this land use, both during and after construction? Equipment noise between 8:00 a.m. to 6:30 p.m. during construction. No noise after construction is completed.

ENVIRONMENTAL ASSESSMENT FORM

AIR QUALITY

20. Would any noticeable amounts of air pollution, such as smoke, dust or odors, be produced by this project? Maybe. See attached Discussion of Answers.

WATER QUALITY

21. Is the proposed water source public or private; treated or untreated? Name the system.
Existing water source is a public system: Tahoe City Public Utility District.

22. What is the water use (residential, agricultural, industrial, or commercial)? Residential

AESTHETICS

23. Will the project obstruct scenic views from existing residential areas, public lands, public bodies of water, or roads? No

ARCHAEOLOGY/HISTORY

24. Do you know of any archeological or historical areas within the boundaries or adjacent to the project? (Example: Indian burial grounds, gold mines, etc.) No

SEWAGE

5. What is the proposed method of sewage disposal?

Septic system _____ or Sanitation District (name) Tahoe City Public Utility District

6. Would the project require a change in sewage disposal methods from those currently used in the vicinity? No

TRANSPORTATION

Will the project create any traffic problems or change any existing roads, highways, or existing traffic patterns? Yes. See attached Discussion of Answers.

Will the project reduce or restrict access to public lands, parks, or any public facilities? No

GROWTH INDUCING IMPACTS

Will the project result in the introduction of activities not currently found within the community? No

Could the project serve to encourage development of presently undeveloped areas, or increases in development intensity of already developed areas? (Examples include the introduction of new or expanded public utilities, new industry, commercial facilities or recreation activities.) No

ENVIRONMENTAL ASSESSMENT FORM

31. Will the project require the extension of existing public utility lines? No
If so, identify and give distances. _____

GENERAL

32. Does the project involve lands currently protected under the Williamson Act or an Open Space Agreement? No

33. Will the project involve the application, use, or disposal of potentially hazardous materials, including pesticides, herbicides, other toxic substances, or radioactive material? No

34. Will the proposed project result in the removal of a natural resource for commercial purposes (including rock, sand, gravel, trees, minerals, or top soil)? No

35. Could the project create new, or aggravate existing health problems (including, but not limited to flies, mosquitoes, rodents, and other disease vectors)? Maybe. See attached Discussion of Answers.

36. Will the project displace any community residents? No

IS ANY YES ANSWERS TO THE PREVIOUS QUESTIONS

Use additional sheets if necessary.

See Attached Discussion of Answers.

MITIGATION MEASURES

Proposed mitigation measures for any of the above questions where there will be an adverse impact:

See Section G of Initial Study entitled "Mitigation Measures."

FORM COMPLETED BY: Amy Dillon, Assistant in Civil Engineering
Name and Title

11/21/97

Date 264.B3.42

ENVIRONMENTAL ASSESSMENT FORM

ADMINISTRATIVE CONCLUSIONS

Yes

No

- 1. The project will have impacts which achieve short-term goals to the disadvantage of long-term environmental goals.
- 2. The project will have impacts which are individually insignificant, but cumulatively significant.
- 3. The project could have significant adverse environmental impact.

—

X

—

X

—

X

NOTE:

If the administrative decision on one or more of these items is "Yes", an environmental impact report shall be submitted and approved prior to issuance of a permit or approval of the project.

TECHNICAL SUPPLEMENT REQUESTED FOR PROJECT?

—

X

NEGATIVE DECLARATION

The above document and any attachments meets the criteria for a Negative Declaration and is so designated.

X

—

11/21/97

Date

Bruce R. Lee

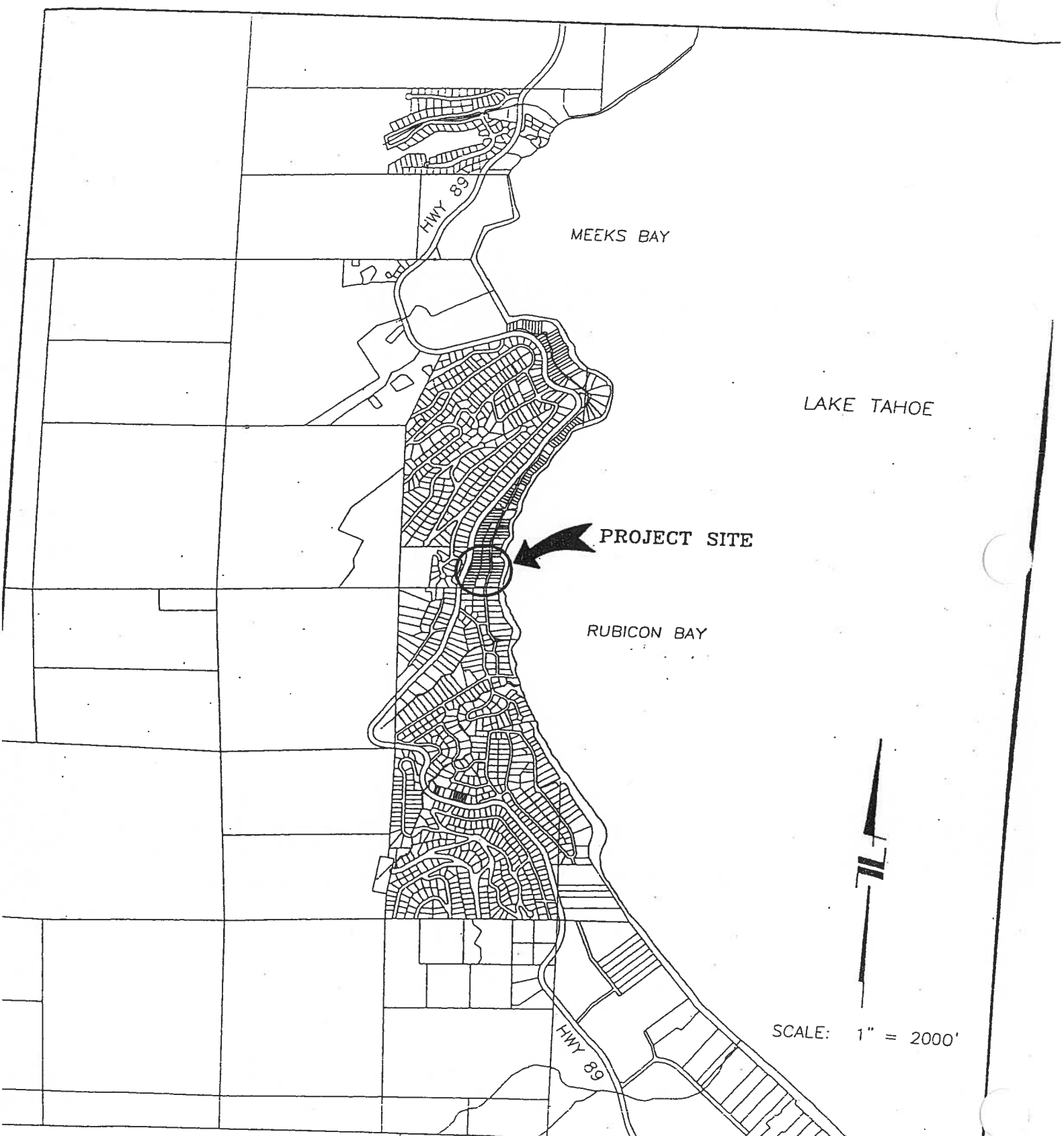
Responsible Official

The above document (including any technical supplements, if required) is available for public review for thirty (30) days at the Department of Transportation office in South Lake Tahoe.

AFF COMMENTS: _____

DISCUSSION OF ANSWERS TO QUESTIONS ON THE
ENVIRONMENTAL ASSESSMENT FORM

4. Slope failure is evident on steep slope adjacent to Lake Tahoe. Permeation grouting is proposed to stabilize the slope.
10. Lake Tahoe traverses the easterly boundary of the project site. Potential impacts resulting from disturbance during construction will be mitigated by temporary erosion control measures based upon TRPA's Best Management Practices Handbook. Permanent erosion control measures for this area is part of the project.
12. It is anticipated that trees will be removed as a part of this project. Because the Silvertip project design is in the preliminary stage, a detailed plan for the work has not been developed. Trees to be removed as a part of the project will be noted on the plans during the TRPA permit process. The County prefers not to remove trees larger than 24 inches in diameter.
20. During construction there may be a temporary increase in dust from grading and construction traffic. Odors from construction equipment and AC pavement restoration within Meeks Bay Avenue may be evident during construction. Dust will be controlled with the use of a water truck or other applicable method. Odors due to construction will dissipate once construction has been completed. Therefore, no mitigation measures are required.
7. During construction, traffic patterns will be altered. All alterations to normal traffic patterns will be signed and staffed according to the Traffic Control Plan to be prepared by the contractor and approved by the County prior to construction.
5. Due to the use of infiltration facilities which detain runoff there is the possibility of an increase in mosquitos and other vector hazards. Any vector increase due to this project would be mitigated through the County's Vector Control agency. The project area is within El Dorado County Vector Control Service Area 3.



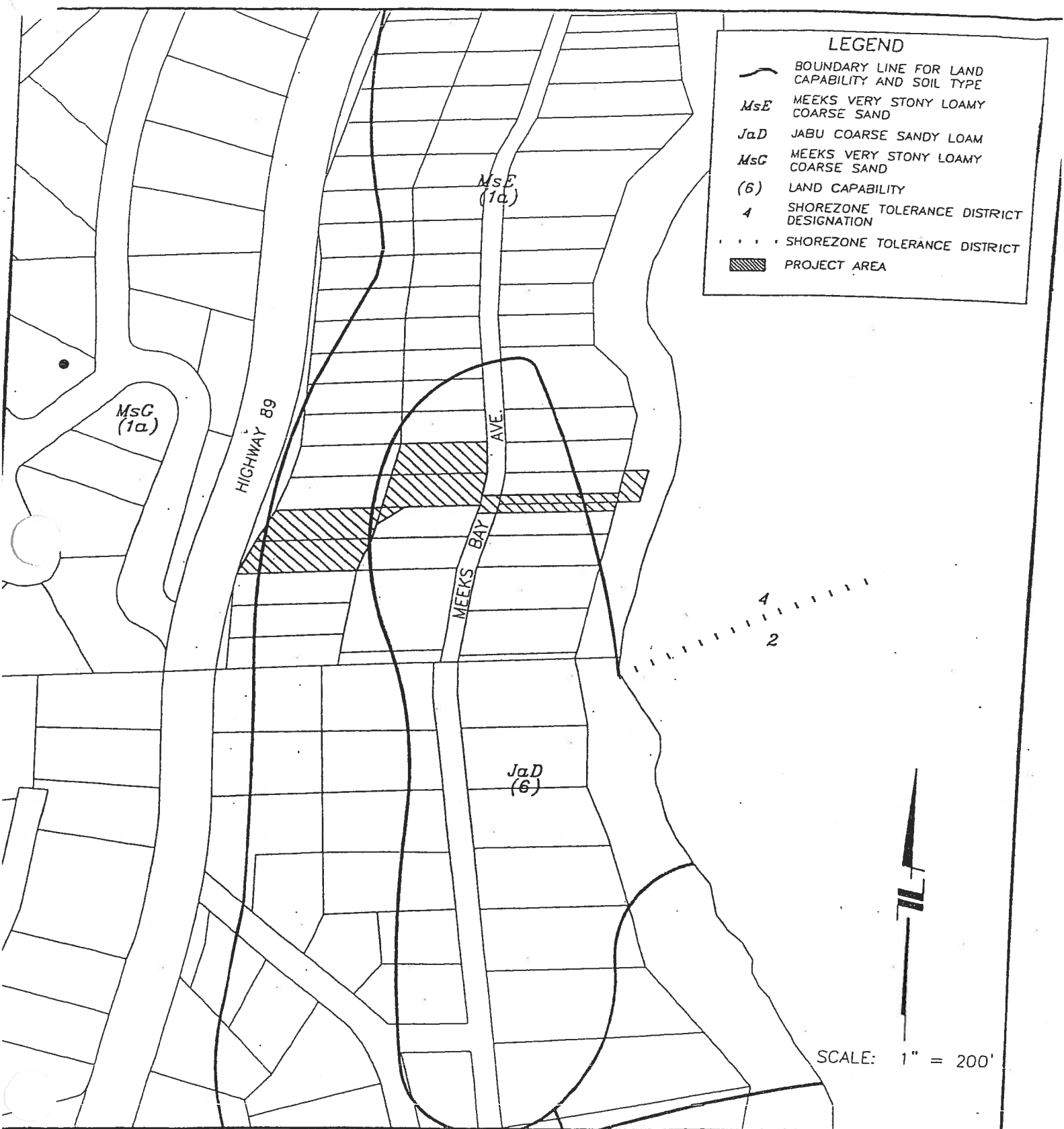
L DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



CEQA - INITIAL STUDY
SILVERTIP EROSION CONTROL PROJECT

FIGURE
09-1264-A3.45

LOCATION MAP
DATE: 11/97 PROJECT NO.: 05111 BY:



LEGEND

- BOUNDARY LINE FOR LAND CAPABILITY AND SOIL TYPE
- MsE* MEEKS VERY STONY LOAMY COARSE SAND
- JaD* JABU COARSE SANDY LOAM
- MsG* MEEKS VERY STONY LOAMY COARSE SAND
- (6) LAND CAPABILITY
- 4 SHOREZONE TOLERANCE DISTRICT DESIGNATION
- • • SHOREZONE TOLERANCE DISTRICT
- PROJECT AREA

SCALE: 1" = 200'

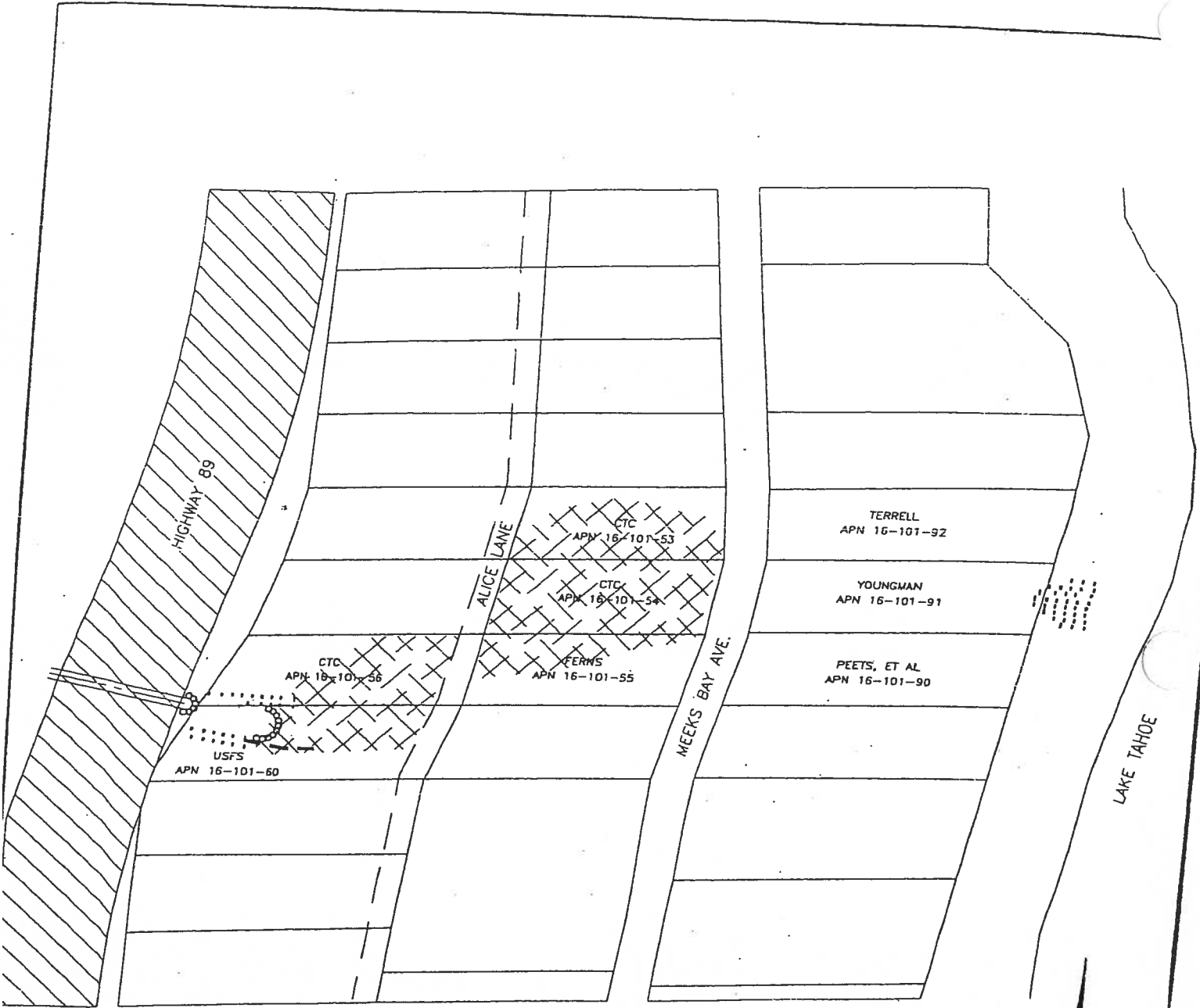


EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



CEQA - INITIAL STUDY
SILVERTIP EROSION CONTROL PROJECT
PROJECT AREA LIMITS,
LAND CAPABILITY AND SOIL TYPE MAP

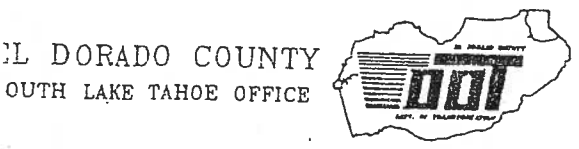
FIGURE
09-1264.B3.46
B



LEGEND

| | |
|--|---|
| | ERODING SLOPE OR SHOULDER |
| | ERODING DRAINAGE |
| | WINTER SAND APPLICATION |
| | AREAS OF SEDIMENT ACCUMULATION |
| | APPROX. LOCATION OF EXIST. PIPE |
| | APPROX. LOCATION OF EXISTING ROCK CHECK DAM |

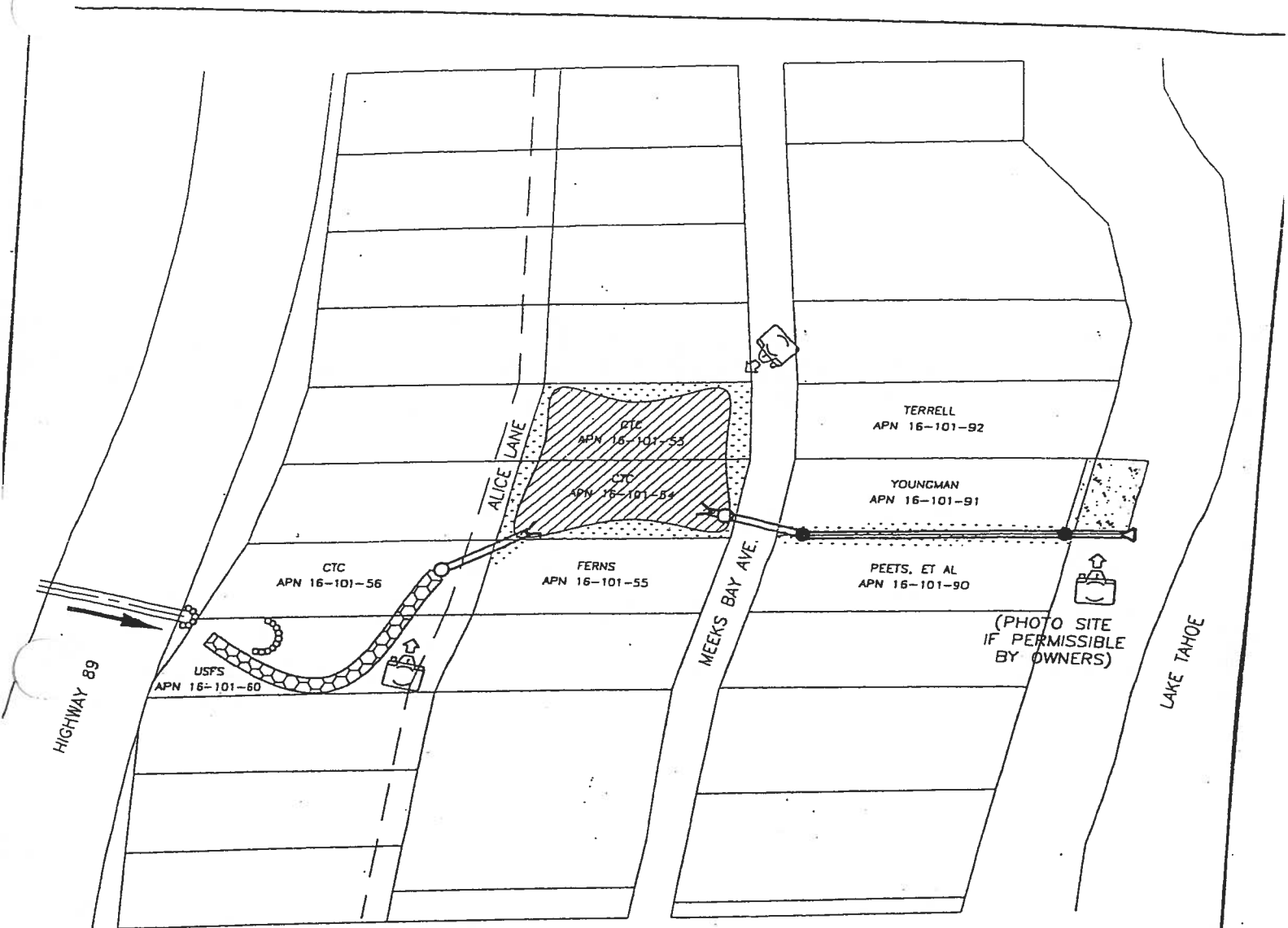
SCALE: 1" = 100'



CEQA - INITIAL STUDY
 SILVERTIP EROSION CONTROL PROJECT
 PROBLEM AREA MAP

FIGURE
 09-1264.B3.47

DATE: 11/97 PROJECT NO.: 95141 BY: ALD



LEGEND

| | | | |
|--|---|--|----------------|
| | PERMEATION GROUTING | | FES |
| | RIP-RAP OR ROCK LINED CHANNEL | | BASIN |
| | EXISTING DRAINAGE | | REVEGETATION |
| | SAND TRAP OR RISER | | PHOTO POINT |
| | CULVERT PIPE | | SDMH (MANHOLE) |
| | OUTLET STRUCTURE | | |
| | APPROX. LOCATION OF EXIST. PIPE | | |
| | APPROX. LOCATION OF EXISTING ROCK CHECK DAM | | |



SCALE: 1" = 100'

SOUTH LAKE TAHOE OFFICE



CEQA - INITIAL STUDY
 SILVERTIP EROSION CONTROL PROJECT
 PROPOSED SITE IMPROVEMENTS, PHOTO
 MONITORING POINTS AND ACQUISITION MAP

FIGURE
 09-1264.B3.48

DATE: 11/07 PROJECT NO: BY:



STATE OF CALIFORNIA - THE RESOURCES AGENCY
 DEPARTMENT OF FISH AND GAME
 ENVIRONMENTAL FILING FEE CASH RECEIPT
 DFG 753.5a (6-91)

47572

Lead Agency: EDC DOT Date: 1/20/98
 County/State Agency of Filing: El Dorado County Document No.: _____
 Project Title: Silvertip Emission Control
 Project Applicant Name: El Dorado Co DOT Phone Number: _____
 Project Applicant Address: 1121 Shamoi, San T Co 96150
 Project Applicant (check appropriate box): Local Public Agency School District Other Special District
 State Agency Private Entity

CHECK APPLICABLE FEES:

| | | |
|--|------------|----------|
| () Environmental Impact Report | \$850.00 | \$ _____ |
| () Negative Declaration | \$1,250.00 | \$ _____ |
| () Application Fee Water Diversion (State Water Resources Control Board Only) | \$850.00 | \$ _____ |
| () Projects Subject to Certified Regulatory Programs | \$850.00 | \$ _____ |
| () County Administrative Fee | \$25.00 | \$ _____ |
| <input checked="" type="checkbox"/> Project that is exempt from fees | | |

TOTAL RECEIVED \$ 0

Nature and title of person receiving payment: Maureen Brishub

FIRST COPY - PROJECT APPLICANT SECOND COPY - DFG/FASB THIRD COPY - LEAD AGENCY FOURTH COPY - COUNTY/STATE AGENCY OF FILING

ENDORSED

California Department of Fish & Game
CERTIFICATE OF FEE EXEMPTION

FILED

JAN 20 1998

WILLIAM E. SCHULTZ, Recorder-Clerk
BY ~~M. A. VAN BUSECK~~

De Minimis Impact Finding

Project Title/Location (include county):

SILVERTIP EROSION CONTROL PROJECT

Meeks Bay Vista Subdivision, south of Meeks Bay, east of Highway 89 on west shore
of Lake Tahoe, El Dorado County, California

Project Description:

Construction of erosion control and water quality improvements consisting of an
infiltration basin, culverts, sediment traps, rock-lined channel, permeation grouting,
and easement acquisition.

Findings of Exemption (attach as necessary):

The initial study conducted by the lead agency found that no potential individual or
cumulative impacts on wildlife resources will result from the project. A mitigated
Negative Declaration was approved by the El Dorado County Board of Supervisors
on January 13, 1998.

SCH 97112067

Certification:

I hereby certify that the public agency 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 & Game Code.



Director of Transportation
El Dorado County
Department of Transportation

Date: 1/13/98



COUNTY OF EL DORADO

DEPARTMENT OF TRANSPORTATION

TAHOE ENGINEERING
1121 Shakori Drive
South Lake Tahoe, California 96150

Phone: (530) 573-3180
FAX: (530) 577-8402



December 31, 1997

Ms. Lauri Kemper
California Regional Water Quality Control Board
Lahontan Region
2501 Lake Tahoe Boulevard
South Lake Tahoe, CA 96150

Dear Ms. Kemper:

Subject: Response to Comments Regarding the Initial Study for the Silvertip Erosion Control Project, SCH #97112067 (JN 95141)

Thank you for your comment letter in response to our CEQA Initial Study submitted previously for your review. We received your comments three days after the close of the comment period and did not have the time to incorporate an itemized response to your comments into the agenda item prepared for the County Board of Supervisors. Please find attached a copy of the response letter, noting receipt of your comments, for your files.

Having reviewed your comments, we feel confident these items can be satisfactorily addressed in the future, as the project progresses. However, we wish to take a moment to clarify our position regarding your first two issues.

Item I: In our CEQA Initial Study, we state "If possible, the infiltration basin will be sized to retain the runoff from the 20-year, 1-hour storm event." It is our intent to try to retain the 20-year, 1-hour storm event from the entire watershed, not just from the County right-of-way, which is currently the accepted design criteria. The basin will retain, at a minimum, the 20-year, 1-hour storm event from within the County right-of-way.

Item II: Your comment expressed concern over the unpaved surface of Alice Lane. We agree that the unpaved road surface has potential impact on water quality, however, it appears the road in question is a private access easement and not a part of the County road system. You asked that we notify the homeowners in the area of BMP requirements and supply them with TRPA information on low interest loans. We recognize and support the need for educating the public on water quality issues and desire to be of assistance when we can, however, we feel it is not within the jurisdiction of the County Transportation Department to notify property owners of BMP requirements on private property or to locate sources of available funding for BMP implementation, especially since property owner notification of those requirements and funding availability is already performed by TRPA. As a County agency, we feel it is not in the best interest of anyone to have us represent TRPA's materials and would prefer that during the property owners meetings for the project, TRPA present their information and be available for questions which we would not be able to address.

Please call me at (530) 573-3180 if you have any questions.

Sincerely,

Bruce R. Lee
Supervising Civil Engineer

/ald
enclosure

09-1264.B3.51

December 29, 1997

RESPONSE TO COMMENTS FROM LAHONTAN REGIONAL WATER QUALITY
CONTROL BOARD RECEIVED DECEMBER 29, 1997

A comment letter was received from Lahontan Regional Water Quality Control Board regarding the Silvertip Erosion Control Project CEQA Document on December 29, 1997, three days after the close of the comment period. The comments will not be addressed within the response to comments but will be resolved during the TAC process and the design phase of the project.



California State Water Resources Control Board

South Lake Tahoe Office

111 Lake Tahoe Blvd
South Lake Tahoe, CA 96150
(530) 542-5400
(530) 544-2271



Pete Wilson
Governor

RECEIVED

DEC 31 1997

Ans'd.....

December 29, 1997

Bruce Lee, Supervising Civil Engineer
El Dorado County Department of Transportation
1121 Shakori Drive
South Lake Tahoe, CA 96150

Dear Mr. Lee:

COMMENTS REGARDING THE INITIAL STUDY FOR THE SILVERTIP
EROSION CONTROL PROJECT, EL DORADO COUNTY, SCH #97112067

We have reviewed the initial study for the above-referenced project. The proposed project is located south of Meeks Bay in the Meeks Bay Vista Subdivision. We understand that the project consists of: construction of erosion control and water quality improvements including an infiltration basin, culverts, sediment traps, rock-lined channel, and shoreline stabilization (permeation grouting). We will consider issuing a Notice of Applicability for General Waste Discharge Requirements for Construction Activities within the Lake Tahoe Basin for the project and are a Responsible Agency under the California Environmental Quality Act. We have the following comments:

- I. It should be feasible to treat and retain the 20 year one hour storm event for this project. If not feasible, please describe why. Is there any way to increase infiltration on the parcels above Alice Lane?
- II. I understand that the interception of runoff from Highway 89 prior to it reaching Alice Lane will substantially reduce the storm water flows that caused erosion last year on Alice Lane. However, we require permanent stabilization of all disturbed, unpaved areas within the Lake Tahoe Basin. Please consider paving or surfacing of the road as an alternative. If it is not the preferred alternative, briefly describe how the existing road poses no threat to water quality. Include type of soil, use patterns, sand/sediment traps you're proposing, etc. We may consider that it not be paved now, but it may be required in the future. We encourage you to notify homeowners in the area about the BMP requirements. TRPA can supply you with information on the low interest loan program for residential BMP retrofit (including paving of driveways and private roads).

- III. Because of work within the high water line of Lake Tahoe, the environmental document should address compliance with all of TRPA's water quality-related shorezone development standards. Additionally, the Regional Board must consider granting an exemption from the waste discharge prohibition. Please provide documentation in the project description so that the Regional Board may make the findings listed below.
- A. For erosion control projects proposing new coverage, permanent disturbance or replacement of coverage in the Backshore Tolerance District 1 lands, if all of the following findings can be made:
1. The project, program or facility is necessary for environmental protection;
 2. There is no reasonable alternative, including relocation, which avoids or reduces the extent of encroachment in the (backshore); and
 3. Impacts are fully mitigated.
- B. For projects proposing disturbance below the high water line, the following findings must be made:
1. for erosion control projects...provided that the project is necessary for environmental protection; and
 2. there is no reasonable alternative which avoids or reduces the extent of encroachment (within the high water line of Lake Tahoe):
- IV. Checklist IV. c) We agree that long term impacts to surface water quality should be improved as a result of the proposed project. However, construction activities may result in discharge of sediment to surface waters in violation of a waste discharge prohibition. Temporary adverse impacts to surface water quality may occur during construction. Please check "Potentially significant unless mitigation is incorporated."
- V. Checklist IX., Hazards. Construction activities may result in breaking a water or sewer line. Please address mitigation measures necessary to prevent the public's exposure to sewage and the potential impact to water quality from discharges of sewage and/or waste earthen materials from

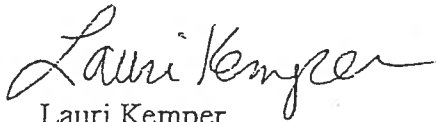
Mr. Lee

-3-

accidental breaking of sewer or water main. Standard silt fences will not prevent discharges of material to water from such an event.

Should you have any questions, please contact me at (916) 542-5436.

Sincerely,



Lauri Kemper
Senior Water Resource Control Engineer

cc: Vanessa Mongeon/TRPA
Steve Goldman/Tahoe Conservancy

LK/le/t:slvrtip.env
[new pending/eldoco/silvertip ecp]

09-1264.B3.55

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: Silvertip Erosion Control Project

State Clearinghouse Number
97112067

Contact Person
Renée T. Dixon

Telephone Number
(916) 324-0207

Project Location: Meeks Bay Vista Subdivision, south of Meeks Bay, east of Highway 89, west shore of Lake Tahoe in South Lake Tahoe, El Dorado County, California.

Project Description: The proposed project will control erosion within the project site by reducing slope failure. Erosion control methods will include applying permeation grouting, installing culverts, increasing sediment retention, and conveying flows in a controlled manner using rock-lined channels. Infiltrators, basins, sediment traps will be installed. The site will be re-vegetated. Right-of-way acquisition for easements will be obtained.

is to advise that the California Tahoe Conservancy, acting as a responsible agency, has approved 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 lead agency, 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 California Tahoe Conservancy 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. A California Department of Fish and Game Certificate of Fee Exemption is attached and has been filed with this notice.

FISH & GAME FEES: See Above

Received for Filing:

RECEIVED

MAY 04 1998

Dennis T. Machida
Dennis T. Machida
Executive Officer

(April 24, 1998 Board Meeting)

FILED
MAY 1 1998
STATE
CLEARINGHOUSE

09-1264.B3.58

EXHIBIT 7
(2 OF 2)

CALIFORNIA DEPARTMENT OF FISH AND GAME
CERTIFICATE OF FEE EXEMPTION

De Minimis Impact Finding

Project Title:

Silvertip Erosion Control Project

Location:

Meeks Bay Vista Subdivision, south of Meeks Bay, east of Highway 89, west shore of Lake Tahoe in South Lake Tahoe, El Dorado County, California.

Project Description:

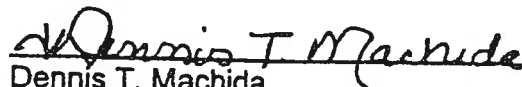
The proposed project will control erosion within the project site by reducing slope failure. Erosion control methods will include applying permeation grouting, installing culverts, increasing sediment retention, and conveying flows in a controlled manner using rock-lined channels. Infiltrators, basins, sediment traps will be installed. The site will be re-vegetated. 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 Silvertip 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

APR 24 1998

Date

EXHIBIT A-4

Tahoe Conservancy
Staff Recommendation
3-04-3
March 19, 2004

Angora Creek
Stream Environment Zone Restoration Project

REQUESTED ACTION: Authorization of a site improvement grant of up to \$1,387,000 and an acquisition grant augmentation of up to \$140,000, a total of \$1,527,000, to El Dorado County for completion of acquisition, design, construction, and project administration for the Angora Creek Stream Environment Zone (SEZ) Restoration Project.

LOCATION: The project area is located in eastern El Dorado County, west of Highway 50, near Meyers. The project site is generally bounded by Lake Tahoe Boulevard to the west and Washoe Meadows State Park to the east (Exhibit 1).

ISCAL SUMMARY:

Funding Source: Proposition 12, 40 and 117 funds

Previously Authorized Conservancy Funding:

| | |
|--|-----------|
| Conservancy Acquisition Grant, 1998: | \$ 86,350 |
| Conservancy Planning Grant, 2000: | \$165,000 |
| Conservancy Planning Grant Augmentation, 2003: | \$ 80,000 |

| | |
|----------------------------|-----------|
| Total Conservancy Funding: | \$331,350 |
|----------------------------|-----------|

Other Funding Contributions:

| | |
|---|-----------|
| Bureau of Reclamation (BOR) Construction Grant: | \$900,000 |
| Tahoe Regional Planning Agency (TRPA) SEZ Mitigation Funds: | \$691,321 |
| Lahontan Regional Water Quality Control Board (LRWQCB) 319(h) Grant: | \$ 38,979 |

| | |
|----------------------|-------------|
| Total Other Funding: | \$1,630,000 |
|----------------------|-------------|

| | |
|--|-------------|
| Additional Conservancy Funding Requested : | \$1,527,000 |
|--|-------------|

| | |
|---------------------------------|-------------|
| TOTAL ESTIMATED PROJECT BUDGET: | \$3,472,300 |
|---------------------------------|-------------|

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

"The California Tahoe Conservancy hereby authorizes a site improvement grant of up to \$1,387,000 and an acquisition grant augmentation of up to \$140,000 to El Dorado County and authorizes staff to amend the existing grant agreement and take all other necessary steps, in substantial conformity with the accompanying staff report, necessary to complete acquisitions, final design and construction related to the Angora Creek Stream Environment Zone Restoration Project.

"The award of the grant and disbursement of funds is conditioned upon a commitment by the County, through execution of the grant agreements, to undertake the project in a manner substantially consistent with the purpose and scope of the grant, to monitor the effectiveness of the project, and to manage and maintain the project for the term of the agreement."

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

"The California Tahoe Conservancy has considered the environmental effects of the proposed Angora Creek SEZ Restoration Project as described in the attached Mitigated Negative Declaration and Initial Study, adopted by El Dorado County (Exhibit 5 of the accompanying staff report), 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, there is no substantial evidence that the project will have a significant effect on the environment."

STAFF DISCUSSION:

I. Project Background

The purpose of this project is to restore stream function and improve riparian and aquatic habitat along a 2,300-foot portion of Angora Creek. In order to develop the project, the Conservancy awarded a grant of \$86,350 in April 1998 for the right-of-way acquisitions. In December 2000, the Conservancy board authorized a planning grant, based upon recently adopted planning grant guidelines, of \$165,000 to the County, and in March 2003, a planning grant augmentation of \$80,000, to assist with project planning. The site improvement grant and the acquisition grant augmentation are needed to complete the acquisitions, design and construction for this project.

The project meets the Conservancy's program objectives under its SEZ and Watershed Restoration Program. At the April 1991 Conservancy board meeting, staff presented an evaluation of SEZ and watershed restoration needs and program objectives and approaches.

The approaches provided for implementation of projects by the Conservancy directly, as well as the award of grant funds to other public agencies for project implementation.

The resource and public benefits associated with SEZ and watershed restoration include: water quality improvements through erosion control and nutrient treatment; riparian and aquatic habitat enhancement; preservation of the riparian vegetation community; enhancement of outdoor recreation opportunities; preservation of scenic open space; preservation of flood plain areas to alleviate flooding during runoff events; and provision of open space buffer strips within urbanized areas. The proposed project will generate water quality, riparian and aquatic habitat benefits.

The project also meets the Conservancy's program objectives under its Wildlife Enhancement Program. The Conservancy adopted the Wildlife Enhancement Program on December 19, 1986 as revised on January 19, 1990. As the board is aware, the resource objective is to address high priority wildlife enhancement needs through the funding and implementation of projects with the greatest potential for preservation, enhancement, and/or restoration of wildlife and wildlife habitat in the Basin. This objective recognizes the need to maintain and enhance the full range of the Basin's wildlife habitat areas such as meadow, marsh, and riparian habitat areas which serve or could serve as habitat for species identified as endangered, rare, threatened, sensitive or of special interest; forest and shrub associations; areas which serve as wildlife movement corridors or seasonal habitat areas; and instream and offshore fisheries habitat. The proposed project will enhance wetland, riparian and aquatic habitat in the Angora Creek watershed.

This project is consistent with TRPA's Environmental Improvement Program (EIP) and represents a State contribution towards the implementation of the EIP. The Angora Creek project is included in the EIP as Projects # 406 and # 985, and will assist in the attainment of the following thresholds: water quality, soils/SEZ, fisheries, wildlife, scenic, and vegetation.

II. Site Description

The project is located along Angora Creek, between Lake Tahoe Boulevard to the west and Washoe Meadows State Park to the east (Exhibits 1-3). View Circle, a County roadway, bisects the project area. There are a number of resource problems in the project area. Upstream of View Circle and approximately 900 feet downstream of Lake Tahoe Boulevard, the creek has a 12-foot-high head-cut or a change in elevation of the streambed, indicating an erosion problem. Below the head-cut, the creek is channelized and actively eroding, with bank heights averaging between five and 12 feet. The headwall and culverts at both Lake Tahoe Boulevard and View Circle exhibit signs of deterioration. Localized areas between View Circle and Washoe Meadows State Park also exhibit bank erosion.

It is believed that road construction and tree removal associated with the development of the Mountain View Estates subdivision between 1952 and 1966 were the primary causes of the channel degradation. Other activities such as cattle grazing, dairy farming, and beaver activity have also contributed to the channel erosion.

III. Project Description

This recommendation involves a grant of up to \$1,527,000 to El Dorado County for stream restoration and wildlife habitat enhancement and related acquisition activities. This project provides opportunities to restore stream function and improve riparian and aquatic habitat. The stream restoration will be constructed on approximately 2,300 feet of Angora Creek between Lake Tahoe Boulevard to the west and View Circle to the east and, continuing east, in localized areas between View Circle and Washoe Meadows State Park (Exhibit 4). Restoring the creek to a more stable channel with a floodplain should provide substantial water quality and wildlife benefits. The project will restore four acres of SEZ.

The planning phase of this project included consideration of several complex design and right-of-way issues, which affected the scope and scheduling of the project. In order to keep the project moving forward, the project will be constructed in phases. Specifically the County recommended phasing the construction of the 2,300 feet of new stream channel (Exhibit 4). The Phase 1 portion of the project includes the construction of a new channel alignment upstream of View Circle on 19 publicly-owned parcels. This encompasses approximately 1,900 linear feet of the 2,300-foot new channel. It should be noted that the USDA Forest Service (USFS) owns 27 parcels and the Conservancy three parcels, respectively, within the project area.

A bottomless bridge/culvert at the new View Circle crossing on the County right-of-way is also proposed for construction during Phase 1. The bottomless culvert will replace the current corrugated metal pipe crossing and provide a more natural stream-bed for fish passage. The County is also seeking to acquire easements over four private parcels upstream of View Circle. If the easements are acquired in time, an additional 400 feet of new stream channel will also be constructed during Phase 1. One of the benefits of this phased approach will be the establishment of vegetation within and surrounding the new channel alignment for a full season and a half prior to diverting the existing creek flow into it.

Phase 2 improvements will include completion of new channel construction upstream of View Circle (if the acquisition of the easements over the private parcels are not completed before construction of Phase 1), floodplain grading and revetment construction downstream of View Circle within the existing channel, diverting the existing creek flow into the new channel upstream of View Circle, and filling and restoring the existing channel. In order to build these improvements, a total of seven easements will be needed downstream of View Circle (and if not acquired as part of Phase 1, four easements upstream of View Circle). In November 2003, appraisals were prepared for the 11 parcels from which easements are required for the project. This information was forwarded to the Conservancy for review. On November 15, 2003, and January 20, 2004, letters were sent from the Conservancy to the County, requesting further clarification on a number of appraisal issues. Based on the County's responses to these questions, the Conservancy approved all related documents in February and gave the County approval to proceed with landowner negotiations for all the required easements. Exhibit 4 shows the location of the easement parcels.

IV. Project Budget

The projected costs for this project, which are based on an engineer’s estimate, are consistent with the costs of similar SEZ restoration projects completed within the Lake Tahoe Basin. Significant funding commitments have been made toward the planning, construction, and monitoring of this project by the BOR, TRPA, and LRWQCB. With the funding in place, the design issues resolved, and easement negotiations in their final stage, it is appropriate to proceed with funding the project at this time.

The total estimated project budget is shown below:

Total Project Estimated Budget

| Task | Estimated Budget |
|-------------------------------|-------------------------|
| Design and Administration | \$ 694,100 |
| Construction Administration | \$ 358,000 |
| Construction | \$ 1,400,000 |
| Plant Establishment-Oversight | \$ 30,000 |
| Monitoring | \$ 563,200 |
| R-O-W Acquisition | \$ 210,000 |
| Contingency | \$ 217,000 |
| Total | \$ 3,472,300 |

As described earlier, the Conservancy has previously contributed \$251,350 towards the planning and acquisition components of the project. The other funding agencies have pledged \$1,630,000 towards aspects of the project. This includes \$900,000 from the BOR, \$691,021 from TRPA, and \$38,979 from LRWQCB.

V. Project Schedule

| | |
|--|----------|
| Conservancy Site Improvement Grant Application | Feb 2004 |
| Final Plans and Specifications | Mar 2004 |
| Easement Acquisition | Jul 2004 |
| Construction Start Date – Phase 1 | Aug 2004 |
| Pre-Construction Monitoring Report | Oct 2004 |
| Final Construction Report – Phase 1 | Dec 2004 |
| Construction Start Date – Phase 2 | Aug 2005 |
| Final Construction Report – Phase 2 | Dec 2005 |
| Final Monitoring Report | Dec 2007 |

VI. Staff Evaluation

s previously determined, this project is consistent with the objectives of the Conservancy's SEZ/Watershed Restoration and Wildlife Enhancement Programs and the Lake Tahoe Environmental Improvement Program (EIP).

Significant Benefit - The Angora Creek project provides the opportunity to reduce bank and bed erosion, restore stream function and riparian habitat, remove barriers to fish passage, and re-establish the relationship of the stream to its floodplain. This project will enhance and complement the restoration work already completed in the Angora Creek watershed. This project is listed in TRPA's EIP as Projects #406 and #985.

Comprehensiveness - This project will be another component of the Conservancy's effort to restore the Angora Creek watershed. The Conservancy has funded a number of completed projects in this watershed, including two California Department of Parks and Recreation projects--the Angora Creek SEZ Restoration project (EIP Project #559) and the Angora Creek SEZ Restoration--Sewer-line Reach project (EIP Project #949), and the County's Angora I, II, and III erosion control projects.

Cost-Effectiveness - The project will be made cost-effective by using proven, cost-effective, restoration methods such as collecting native seed and cuttings from the site for propagation and transplanting at the project site. The use of salvaged and transplanted native species is not only a cost-effective approach but also an important restoration benefit since these plant materials are already adapted to growing conditions at this site.

In addition to the above technical reasons, this project is cost effective because of the substantial contribution of funds (\$1,630,000) from other agencies (an estimated 47% of total project costs).

Implementability - The project is readily implementable, since the Conservancy owns a portion of the land and the County is prepared to administer the construction contract and has secured commitments from the USFS for the use of lands involved in the proposed project. There have been no significant permitting issues identified during consultation with regulatory agencies. However, it is anticipated that project design may be subject to minor modifications during the permitting process, which should be completed by early May 2004. These changes, however, are not expected to alter the character or compromise the objectives of the project.

If these grants are approved, the County will be able to complete the final project design work and acquisitions prior to submitting applications for permits to TRPA and LRWCQB. In 1998, the Conservancy approved an acquisition grant to the County which stated that upon completion of the final project design, staff would grant easements or licenses to construct and maintain improvements on Conservancy property (El Dorado County APN 33-552-11). Subsequent to this approval, two additional parcels were identified by the County as being needed to complete the project. If the board approves this recommendation, and upon completion of the final plans, staff will grant easements or licenses to construct and maintain improvements to El Dorado County on Conservancy properties (El Dorado County APN's 33-504-07 and 33-552-04). Exhibit 4 shows the location of the Conservancy parcels. The recommended phasing of this project will allow a portion of the construction to take place in 2004 and completion of the construction in 2005.

Cooperation and Support - TRPA, LRWCQB, BOR, and USFS staffs have participated in the discussions and field review of this project for several years, and the agencies have supported the

project with funding and technical assistance. The USFS provided technical review of the environmental documents and design, and provided the County with the necessary Special Use permits and approvals to construct the project upon their land.

VII. Consistency with the Conservancy's Enabling Legislation

Implementation of this project is consistent with the Conservancy's enabling legislation. Specifically, the Conservancy is authorized under Government Code Section 66907.7 to award grants to local public agencies for the purposes of planning and implementation of SEZ and watershed restoration and wildlife enhancement projects.

Funding for this project will be made available, in part, from funds provided through the Wildlife Protection Act of 1990 (Proposition 117, Fish and Game Code Section 2780 et seq.). Staff has determined that the proposed project activities are consistent with funding purposes of the Wildlife Protection Act in the following manner:

- 1) The project includes activities that will restore and enhance wetland habitat surrounding Angora Creek (Section 2786(d));
- 2) The project includes activities which will restore and enhance aquatic habitat for spawning and rearing of trout resources in Angora Creek (Section 2786(e)); and
- 3) The project includes activities that will restore and enhance riparian habitat in the Angora Creek watershed (Section 2786(f)).

VIII. Compliance with the California Environmental Quality Act (CEQA)

A joint CEQA Initial Study/National Environmental Policy Act (NEPA) Environmental Assessment was prepared for the Angora Creek SEZ Project with El Dorado County serving as the lead CEQA agency, and the USFS serving as the lead NEPA agency. This joint document was required because the USFS owns the majority of the parcels within the project area.

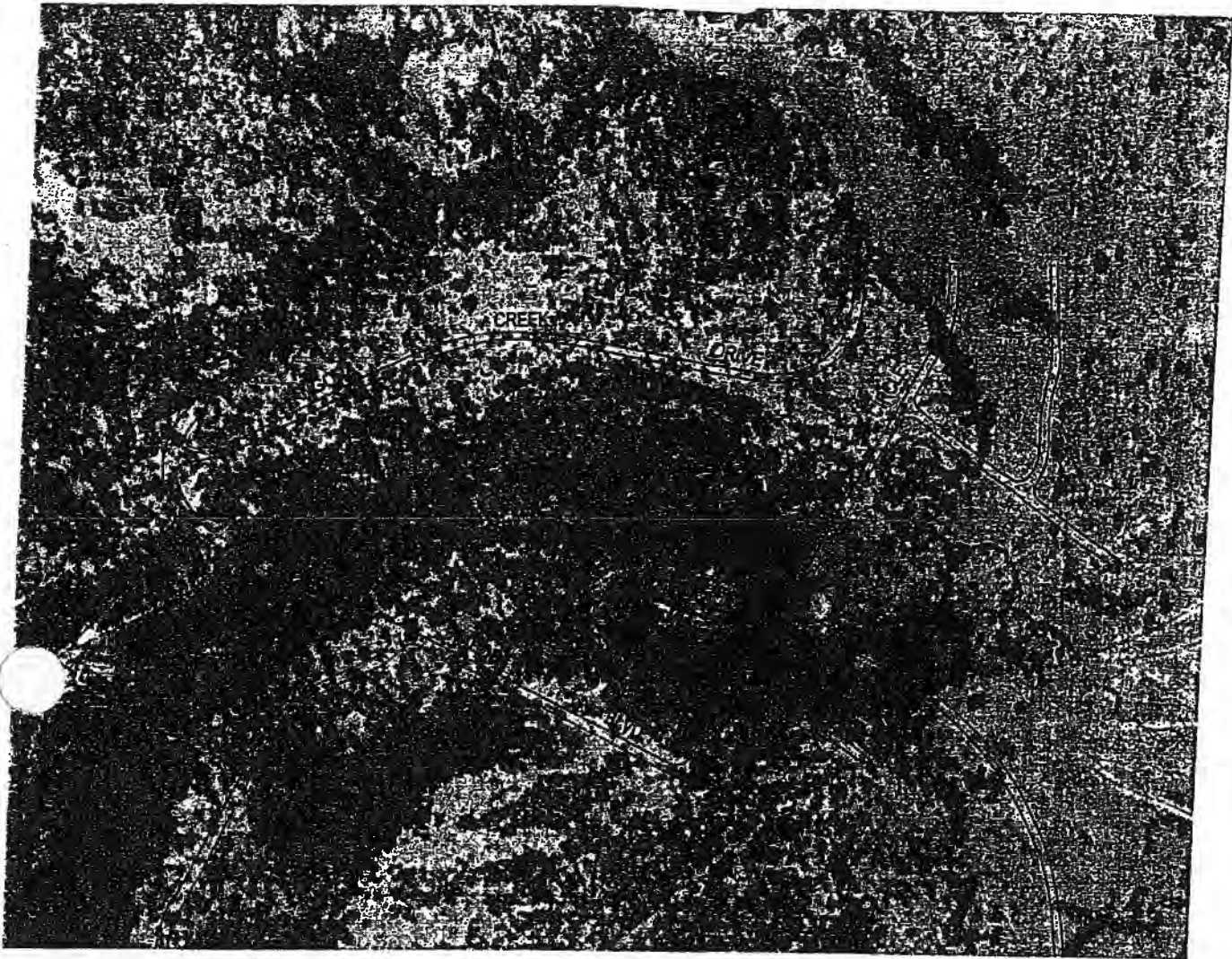
Pursuant to State CEQA Guidelines (Title 14, California Code of Regulations Section 15300 et seq.), an Initial Study and a proposed Negative Declaration were prepared for the project (Exhibits 5). The initial study was posted at the State Clearinghouse and circulated for public review in September 2003. Comments and responses are contained in Exhibits 5 and 6. The County responded to these comments and submitted the Initial Study and Mitigated Negative Declaration to the Board of Supervisors for adoption at the November 2003 board meeting.

The County reviewed the information contained in the environmental documentation for the project and other information provided to the board and made the finding that the project, with incorporated mitigation measures, will have no significant effect on the environment, and filed a Notice of Determination with the State of Clearinghouse on November 21, 2003, pursuant to Section 15906 of the State CEQA Guidelines (Exhibit 7).

Pursuant to Section 15096 of the State CEQA Guidelines, the Conservancy is required to consider the environmental effects of the project as shown in the Initial Study and Mitigated Negative Declaration prior to reaching a decision on the project. In staff's opinion, based in part on the contents of the Initial Study/Mitigated Negative Declaration, and comments received, there is no substantial evidence that the project, with the proposed mitigation measures, will have a significant effect on the environment.

Consequently, staff recommends that the board review the information contained in the environmental documentation for the project and other information provided to the board and make a finding that the Conservancy concurs with the County's determination. If the board concurs, staff will file a Notice of Determination (Exhibit 8) and Certificate of Fee Exemption (Exhibit 9) with the State Clearinghouse.

EXHIBIT 2



Aerial Photography of July 13, 1940
Location of Current Roads shown for Reference



NORTH

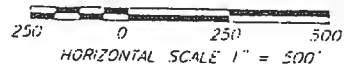


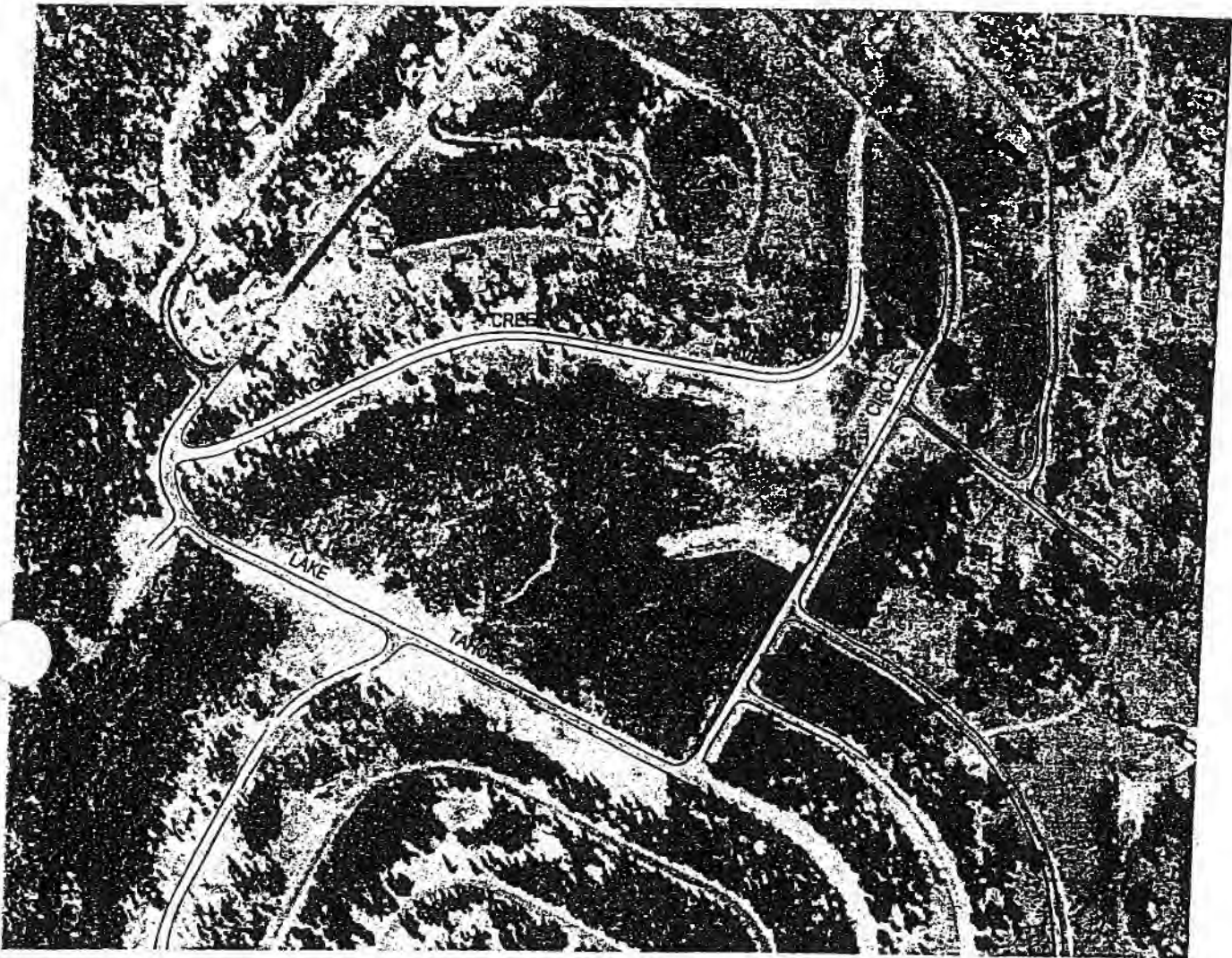
Figure 9
Angora Creek Study Reach
July 13, 1940

ANGORA CREEK STREAM ENVIRONMENT ZONE
RESTORATION FEASIBILITY STUDY
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

nhc national hydrological consultants, inc.
1952 industrial boulevard, suite "C"
sacramento, california 95811
(916) 971-7400

04/04/00 EXHIBIT
09-1264.B3.70
2

EXHIBIT 3



Aerial Photography of August 30, 1966
Location of Current Roads shown for Reference



NORTH



Figure 11
Angora Creek Study Reach
August 30, 1966

ANGORA CREEK STREAM ENVIRONMENT ZONE
RESTORATION FEASIBILITY STUDY
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

nhc environmental systems consultants, inc.
1930 industrial boulevard, suite 1100
fort worth, texas 76104
(817) 371-7100

04/04/00 09-1264-B3-72
EXHIBIT 11
3

EXHIBIT 5

**Angora Creek
Stream Environment Zone Restoration Project**

**See Separate Volume or Available for Inspection at
Conservancy Office and Board Meeting**

EXHIBIT 6

TAHOE REGIONAL PLANNING AGENCY

128 Market Street
Stateline, Nevada
www.trpa.org

P.O.Box 5310
Stateline, Nevada 89449-5310

Phone: (775) 588-4547
Fax (775) 588-4527
Email: trpa@trpa.org

September 26, 2003

Steve Kooyman
County of El Dorado
Department of Transportation
924B Emerald Bay Road
South Lake Tahoe, CA 96150



ANGORA CREEK STREAM ENVIRONMENT ZONE RESTORATION PROJECT, COMMENTS ON PROJECT PROPOSAL

Thank for you providing TRPA staff an opportunity to comment on the proposed Angora Stream Environment Zone Restoration Project. The following comments are based on the site drawings dated April 1, 2003, the Final Design Report dated May 2003 and the Initial Study/Environmental Assessment dated August 2003. Please note that a TRPA application will be required to be submitted for the proposed project.

1. The following comments were generated from the review of the access road plans:
 - If possible, the number of roads should be reduced to limit the amount of disturbance to meadow areas.
 - The proposed roadways cross both the existing and proposed Angora Creek floodplains. To eliminate roadway fill from entering surface waters, the use of fill in the flood plain should be eliminated if an alternative roadway design can be utilized. In determining the threat of roadway fill entering surface waters, it would be appropriate to determine flood frequency events to determine extents of access roads constructed of fill. If an alternative design is not available, the plans must include additional precautionary measures to prevent fill from entering surface waters such as turbidity curtains at the terminus of road (adjacent to the creek) at the completion of each construction day. Please note, landing strips may not be appropriate for use in some areas of this site due to the steep slopes.
 - Based on information received from Cynthia Walck of California State Parks please revise the meadow access road plan to use 1.5' of fill on the roadway and taller sidewalls. From past experience these measures have helped to mitigate compaction of meadow areas.
 - It is unclear from the plan whether all access roads will be constructed using native fill and filter fabric over meadow areas. The site plans indicate that sod will be removed prior to the installation of the access roads, however the specification 2/18 show that the road will be installed on top of the sod. TRPA's main concerns are reestablishment of the vegetation in the roadways and to mitigate compaction.

09-1264.B3.78

- The plans indicate that roadways will remain in place for maintenance and irrigation. It is unclear how long the roads are proposed to remain as there is a 20-year maintenance period. In addition, the roads for maintenance and irrigation are proposed to be 10' wide. Please provide additional information as to why the roads are required to be this large. Are roads necessary for maintenance and irrigation? In order to get timely revegetation/restoration of the access/haul roads it may be more appropriate to remove the roads completely and use landing mats if the need for heavy equipment arises. The final design report states that some roads may only be partially decommissioned to maintain access. Additional information is needed to evaluate the level of decommissioning proposed and the need to access the project site using equipment and vehicles. Please provide information regarding the levels of ATV access that will be needed. If only light access is required, access through less sensitive areas (without fill roads installed) may be appropriate.
 - The plans propose the possible paving of an access/haul road from Angora Creek Drive due to the steepness of the grade. Staff is concerned with the disturbance associated with the paving a road in the meadow and in the floodplain. Are there alternative routes that would eliminate the need to pave this access way? Please provide additional justification as to why the roadway must be paved (i.e. load weight, etc.)
 - All access routes and staging areas should be returned to their natural grade unless otherwise permitted by TRPA.
 - All access road passing areas should be added to the plans. The plans must include the length and width of these passing areas.
 - Restoration details for the access roads are required.
2. Please explore the potential to utilize existing paved roadways for some vehicle and equipment storage and staging areas. These roadways may have low usage and could be utilized for construction purposes to eliminate disturbance in the meadow areas.
 3. A detailed dewatering plan is required to be submitted for review and approval. Water discharges to ground and surface water must meet the discharge standards found in Section 81.2 of the TRPA Code of Ordinances. If possible, infiltration should occur in high land capability areas or in areas where depth to groundwater is the greatest to allow for maximum treatment of dewatering groundwater. Please indicate the infiltration method used (i.e. dirt bags, etc.).
 4. Identify the trees and vegetation to be removed for construction. As was previously discussed, TRPA would like the individuals from Graham Mathews and Associates to meet both the TRPA Forester, Jesse Jones, and also the TRPA Wildlife Program Manager, Shane Romsos, to identify those trees that should be maintained from a forestry standpoint (including old growth trees) and those that should be maintained for wildlife habitat (i.e. snags, etc.). To the greatest extent, appropriate vegetation removed from the site should be reused for revegetation efforts of the existing and proposed creek and floodplain alignment.

5. Please provide a traffic control plan for both the onsite and offsite equipment and vehicles. The offsite traffic control plan should identify hauling routes and hauling times for fill removed and brought to the site. In addition, please identify the traffic control plan for the onsite activities to avoid additional disturbance of areas outside the designated roadways.
6. To help protect against gullying during out of channel events, the plans should be revised to include measures to roughen the meadow adjacent to the creek. Measures could include laying logs on the slope (herringbone or chevron at 45 degree angles to flooding flow vector) from those trees removed as part of the thinning efforts that will help to slow the flow of water until vegetation has sufficient time to establish.
7. A construction schedule will be required for construction activities. The construction schedule must also include the dates when roadways are to be restored.
8. Are measures being taken to help eliminate the construction of beaver dams in the future (i.e. wrapping of trees, etc.)?
9. In all areas where subdivision runoff directed into the meadow, are proper stormwater pretreatment systems in place?
10. A maintenance and monitoring plan will be required. The maintenance and monitoring plan should be consistent with recommendations made by LTIMP group. In addition, the monitoring period should be extended to a minimum 5-year period.
11. To eliminate grease/oil residues from entering the creek or groundwater, the fueling and servicing of vehicles must occur off of the project site and out of the meadow. It may be appropriate to designate some of the staging areas on the paved roadways surrounding the project area (One of the staging areas identified is on the south spoil pile.)
12. All fill entering and leaving the project site must be sufficiently covered to prevent sediment leaving the trucks. In addition the trucks leaving the project site should be swept and washed to prevent the tracking of sediment offsite and the transfer of milfoil. Therefore, a sweeping/washing area should be designated on site.
13. All plans must be revised to eliminate the use of straw for slope stabilization to prevent the importation of noxious weeds.
14. The sediment/diversion dam specification (2/23) should be revised to completely wrap the straw bales with plastic.
5. The TRPA Code requires a minimum fish passage of 50-year event, however, we would like to see the project incorporate a design that permits the passing a 100-year event, bottomless arch-type design with no central supports that would collect debris.

16. As was previously mentioned, the TRPA Code does not require this project to go before a public hearing because SEZ restoration and fuels treatment/management are both allowable uses within the subject Plan Area Statement (PAS) 132, Mountain View. However, TRPA will require that the properties within 300 feet of the project be noticed at least two weeks prior to issuing a TRPA permit for this project.
17. The final plans should include a revegetation plan complete with a plant list for TRPA review and approval.
18. Restoration activities proposed downstream of View Circle include a turbidity barrier (spec 3/23) to capture turbid waters resulting from slope stabilization construction. In order to capture the turbid water downstream, the plans should be revised to include several turbidity barriers (spaced along the stretch of stream) or some other type of filtering device.
19. The tree grading/fill plan appears to include fill around the buttresses of the saved trees. Additional information is needed regarding the amount of fill proposed around the buttress and the level of compaction to evaluate potential impacts to trees.
20. Please submit a plan for the containment of concrete washed from the concrete mixer after the bridge foundation is poured.
21. Please identify the source of the fill to be brought to the project site. No organic material, such as vegetation or rubbish, or any other material not capable of proper compaction, or otherwise not conducive to stability, or which has the potential for environmental impact, shall be permitted in fills.
22. The inclusion of all mitigation measures associated with the proposed alternative (as described in the Initial Study/Environmental Assessment dated August 2003) will be required as part of the special conditions of a TRPA permit.
23. All fill not reused on site and fill removed from the "South Spoil Pile" shall be hauled out of the Tahoe Basin or to a TRPA approved location.

Please contact me at (775) 588-4547 ext. 313 if you have any questions.

Sincerely,

Elizabeth Harrison
Associate Planner
Project Review Division

c. Graham Matthews & Associates, P.O. Box 1516, Weaverville, CA 96093

**RESPONSE TO COMMENTS FROM TAHOE REGIONAL PLANNING AGENCY
RECEIVED SEPTEMBER 26, 2003**

The following response applies to all 23 comments:

The majority of these comments were made by TRPA in their review of the 90% Plans dated April 1, 2003, and the Design Report dated May 2003 as part of the Technical Advisory Committee (TAC) review process. DOT will respond in writing to each comment as part of this TAC process during the Final Design stage. Where necessary the Plans and the Design Report will be revised to the satisfaction of the TAC members and the Basin regulatory requirements.



California Regional Water Quality Control Board Lahontan Region

Winston H. Hickox
Secretary for
Environmental
Protection

2501 Lake Tahoe Boulevard, South Lake Tahoe, California 96150
Phone (530) 542-5400 • FAX (530) 544-2271
Internet: <http://www.swrcb.ca.gov/rwqcb6>

September 24, 2003

COPY

F
SEP
TEC

Steve Kooyman
El Dorado County DOT
924B Emerald Bay Road
South Lake Tahoe, CA 96150

COMMENTS ON THE INITIAL STUDY/ENVIRONMENTAL ASSESSMENT PREPARED FOR THE ANGORA CREEK SEZ RESTORATION PROJECT, EL DORADO COUNTY

On August 26, 2003 Lahontan Regional Water Quality Control Board (Regional Board) staff received a copy of the above-referenced Initial Study/Environmental Assessment prepared pursuant to provisions of the California Environmental Quality Act (CEQA) and the National Environmental Protection Act (NEPA). As a state agency responsible for protecting water quality with the Lahontan Region, we have reviewed the Initial Study/Environmental Assessment (IS/EA) and have the following comments.

Geology and Soil Resources

Grading and excavation associated with project construction has the potential to mobilize sediment that may be discharged to Angora Creek. Though the IS/EA acknowledges this potential impact and discusses permanent stabilization measures, the IS/EA does not discuss temporary best management practices (BMPs) to prevent erosion and provide sediment control during construction. Referencing the Tahoe Regional Planning Agencies BMP requirements is insufficient. The final IS/EA should discuss the importance of temporary BMPs to mitigate construction disturbance and include a temporary BMP implementation plan.

The chosen design includes root wads and other geotechnical techniques for bank stabilization and to prevent stream channel erosion. Unlike other recent stream restoration projects, this design prohibits natural channel development and meander migration. While Regional Board staff understand the need to maintain stability, prevent head cutting, and avoid re-capture of the old channel, we are concerned the channel may erode beneath and around the root wads and other structures, resulting in significant bank erosion and channel instability. The IS/EA should further discuss need for rigid meander bank stabilization as opposed to vegetative stabilization techniques used on other projects.

Hydrology and Water Quality

Regional Board staff agree the project will improve water quality in the long term by reconnecting the stream with it's floodplain and by addressing the existing channel head cut.

09-1264.B3.83

The IS/EA acknowledges potential construction related water quality impacts and adequately discusses mitigation measures the project proponent will take to reduce potential impacts to less than significant levels.

Conclusions

The IS/EA adequately addresses erosion and water quality concerns. Additional erosion control mitigation measures would help justify the finding of "Potentially Significant Unless Mitigated" for erosion impacts. Regional Board staff will continue working with El Dorado County to ensure appropriate permits for construction and dewatering activities are issued in a timely manner.

If you have any questions or comments please contact Doug Smith, Lake Tahoe Watershed Unit Chief at (530) 542-5453 or me at (530) 542-5439.

Sincerely,



Robert Larsen
Environmental Scientist
Lake Tahoe Watershed Unit

cc: TRPA – Project Review
USFS LTBMU – Jim Howard

BL/cgT: Angora.ceqa.comments.doc
[Pending – El Dorado County – Angora Creek SEZ Restoration Project]

RESPONSE TO COMMENTS FROM LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD RECEIVED SEPTEMBER 25, 2003

The responses are numbered in accordance with the order of the comments.

1. 90% Plans and a Design Report have been submitted to the regulatory and funding agencies for review and comment. Comments on these documents were received. These documents included a temporary BMP implementation Plan. The Final Plans will include all recommended revisions/additions to this plan necessary to meet the approval of the Technical Advisory Committee (TAC) and to obtain permits.
2. As noted in the geomorphic analyses in the Final Design Report (May 2003), the reach of the Angora Creek meadow upstream of View Circle has the steepest slope in the entire project area. As a result, this reach is pre-disposed to channel incision, and substantial structural measures are warranted to ensure the success of the project design. Although the exact cause of the channel incision has not been determined, once vertical instability began, there was little doubt that it would progress upstream in the form of a headcut without substantial channel profile stabilizing features, such as bedrock or boulders or a dense concentration of large woody structure. These elements were not present at all (boulders or bedrock) or were apparently not present in sufficient number (in-channel wood structure) to prevent the incision. Historically, much of this area was a forested wet meadow, which undoubtedly provided substantial wood to the channel for stabilization purposes. It is possible that the combined effects of increased runoff from the development roads, the large fire in 1964 which burned almost all of the forest between of View Circle and Lake Tahoe Boulevard, and some large storms in the mid 1960s were responsible for the incision.

Even with a two phase implementation process which gives the channel vegetation and bank-stabilizing sod mats an extra year of growth prior to the introduction of flow into the design channel, the potential for future channel bed instability is considered high, and reliance solely on vegetative measures would introduce, the designers feel, significant risk. As a result, the Design Team incorporated substantial bioengineered elements to provide additional stability. Banks stabilized by bio-technical methods still depend on vegetation establishment for long-term stability, as wood eventually rots. Since channel instability can occur in both horizontal and vertical components, the design incorporates elements to resist these potential forces. Lateral instability of the design channel is addressed through bio-engineered streambanks using logs, rootwads, boulders, native woody vegetation, and sod mats. In addition, channel avulsion (particularly back towards the original gully) is prevented by: (1) grading of the floodplain which slopes towards the design channel, (2)

periodic meadow-wide buried grade control structures, and (3) extensive use of sod mats, coir fabric, and meadow surface revegetation. Vertical instability in the design channel is prevented through the use of small boulder drop structures at each riffle. Although the structural elements may appear to be a rigid stabilization approach, they can absorb some channel adjustment without complete failure. The design is robust enough that there is little likelihood of complete failure: most likely there would be an avulsive channel change event that would abandon the new design channel rather than the structures causing considerable bank erosion.

It is likely that channel change in this system historically occurred by avulsion during a flood event, primarily due to the formation of localized debris jams where a tree collapsed into the channel. Although this mechanism of channel change would likely still occur at some point in the future, the design team did not feel that this process should occur on a more frequent basis, since such erosion would likely not meet near-term objectives for water quality enhancement.

We anticipate that these design concepts will prove to be acceptable to the TAC after additional dialog during the Final Plan review stage.

3. We assume that "additional erosion control mitigation measures" are a part of the temporary BMP implementation plan mentioned in #1 above. Therefore, see response to #1 above.



TAHOE ENGINEERING
924B Emerald Bay Road
South Lake Tahoe, California 96150

Phone: (530) 573-7900
FAX: (530) 541-7049



PUBLIC MEETING

WEDNESDAY, SEPTEMBER 17, 2003

6:00 - 8:00 P.M.

Thank you for attending the meeting tonight. Your comments are important to the environmental evaluation process. Comments on the document must be in writing and be received by us by September 28, 2003 in order to be considered and responded to. Please use the form below.

Name: JEFF MINER

Tahoe Residence Street Address: 932 MTN TRAIL DR

Mailing Address: PO Box 2576
SCT, CA. 96158

Comments:

WHAT ARE THE "DETAILS" OF THE PLANNED IMPROVEMENTS TO STABILIZE THE CREEK BED DOWN STREAM FROM THE CULVERT SO WE COULD UNDERSTAND THE ALTERNATIVES TO ACCOMPLISH THE MAXIMUM IMPROVEMENTS W/ MINIMAL EASEMENT GRANTING? INCLUDE INSURANCE & LIABILITY ISSUES.

Plan A - EASEMENT w/ \$

Plan B - NO EASEMENT / NO \$ WAIVER TO ALLOW ACCESS + CONSTRUCTION.

Plan C - SOME COMBINATION OF ABOVE

SPECIFICS ABOUT 10' ROAD. WHY 10'?

RESPONSE TO COMMENTS FROM JEFF MINER RECEIVED SEPTEMBER 17, 2003

The responses are numbered in accordance with the order of the comments.

1. This issue will be addressed during the property acquisition process, which is scheduled to resume in October 2003.
2. This answer attempts to provide additional background on access roads in general, rather than only answering the question. Graham Matthews & Associates prepared an Access Plan for the Angora Creek Project in February 2003. Some, but not all, of the information contained in that draft plan was included in the EA/IS document. This plan has not yet been circulated to project stakeholders.

The access plan defined staging areas, materials storage areas, materials hauling routes, and access points to be utilized for the construction and maintenance of the Angora Creek Stream Environment Zone Restoration Project. Issues of construction sequence, available equipment, site conditions, permit conditions, and approved easements on private properties will dictate the type and nature of staging areas, materials storage areas, and access/haul routes utilized. The contractor awarded the construction of the project will certainly want to optimize the operation within the constraints of the above conditions. In light of these issues, the access plan was prepared with the intent of defining all feasible staging areas, materials storage areas, and access/haul routes and, as a result, the construction contractor may not utilize all options presented in this plan.

On-site access/haul routes during construction activities have been delineated at 15 feet wide to minimize impacts to the existing wet meadows. This width is the entire width of the road prism, geotextile, fencing, etc. The actual width of the constructed road will be less. All haul routes on existing wet meadow areas will be fully decommissioned (after construction is completed) to allow re-establishment of the wet meadow.

Post-construction tasks will include routine maintenance and operation of the project irrigation system for 2 years following construction, routine inspections during the 20 year maintenance period, and correction of any channel or floodplain failures that result during the 20 year maintenance or the life of the project. Most of these activities can be conducted by foot or ATV. However, repair of channel or floodplain failures may also require access by heavy equipment. The 10' width for maintenance provides the necessary access for such heavy equipment. It is certainly hoped that little or no maintenance is required, but DOT is required to have the ability to undertake needed repairs or maintenance, whether used or not. The

10' road access roads will not be built (geotextile and imported base) unless needed during the maintenance period. All routine activities will be on foot or ATV for which no constructed road is necessary due to low amount of disturbance by these access methods. Should maintenance be required, additional funding for such road construction and subsequent decommissioning may need to be sought and obtained.

P. O. Box 9563
South Lake Tahoe, CA 96158
September 20, 2003

Steve Kooyman
El Dorado County Department of Transportation
Tahoe Engineering
924B Emerald Bay Road
South Lake Tahoe, CA 96158

Dear Mr. Kooyman:

Our main concerns that we have regarding the Angora Creek Restoration project are:

1. The proposed implimentation of a life-time easement across the property. We hope that there could possibly be an alternative explored.
2. 2a Also, up in the air is the calculation of square footage that we will be losing due to the creek being moved, and the design for a wet meadow and its effect on the value of the property and possible tax reevaluation. -2b
3. We have also not addressed the relocation of the barn, replacement of the fence, and tree removal.

Sincerely,
Ross RevTrust of 1/10/92
Conrad and Gladys Ross
Conrad and Gladys Ross



Brocke
anel Gifford, PE

RESPONSE TO COMMENTS FROM CONRAD & GLADYS ROSS RECEIVED
SEPTEMBER 24, 2003

The responses are numbered in accordance with the order of the comments.

1. This issue will be addressed during the property acquisition process, which is scheduled to resume in October 2003.
2.
 - a. The existing incised creek channel occupies an area of 8,445 square feet (ft²), while the existing dry meadow covers 27,178 ft² on the two parcels owned by the Ross's. Under the proposed project conditions, the rehabilitated and relocated creek channel would have an area of 1,170 ft², and the seasonally wet meadow would have an area of 34,353 ft².
 - b. The creek realignment/restoration will not trigger a new assessment on the property and thus would not change the tax value. Since the creek already exists, the realignment/restoration of it is not considered an added improvement like an addition to a house or the installation of an irrigation pond.
3. These issues will be addressed during the property acquisition process, which is scheduled to resume in October 2003.



TO: COUNTY CLERK
County of El Dorado
330 Fair Lane
Placerville, CA 95667

FROM: DEPARTMENT OF TRANSPORTATION
County of El Dorado
924B Emerald Bay Road
South Lake Tahoe, CA 96150

FILED

NOV 21 2003

WILLIAM E. SCHULTZ, Recorder-Clerk
By M. A. VAN BUSKIR

OFFICE OF PLANNING AND RESEARCH
1400 Tenth Street
Sacramento, California 95814

SUBJECT: Filing of NOTICE OF DETERMINATION in compliance with Section 21108 or 21152 of the Public Resources Code.

PROJECT TITLE: Angora Creek SEZ Restoration Project

STATE CLEARINGHOUSE NUMBER : 2003 082129

CONTACT PERSON: Janel Gifford TELEPHONE NUMBER: (530) 573-7909

PROJECT LOCATION: Angora Creek in the Tahoe Basin between South Lake Tahoe and Meyers, roughly bounded by Lake Tahoe Boulevard to the west and Washoe Meadows State Park to the east.

PROJECT DESCRIPTION: Geomorphic stream channel restoration to restore floodplain function for a 1,200 ft. reach of Angora Creek upstream of View Circle and creek bank stabilization in an 1,100 ft. reach downstream of View Circle.

EL DORADO COUNTY Board of Supervisors has approved

the above described project and has made the following determinations regarding the project:

- 1) Project will will not, have a significant effect on the environment.
- 2) An Environmental Impact Report was prepared pursuant to provisions of CEQA.
 A Negative Declaration was prepared pursuant to provisions of CEQA.
The EIR or Negative Declaration and record of project approval may be examined at:

El Dorado County Department of Transportation
924B Emerald Bay Road, South Lake Tahoe, CA 96150

- 3) Mitigation Measures were were not, made a condition of the approval of the project.
- 4) A Statement of Overriding Considerations was was not, adopted for this project.

Date Received for Filing 11/21/03

Signature

FISH AND GAME AB 3158 FEES

Director of Transportation
Title

- Project is de minimis in effect. No fee required.
- Negative Declaration filed. \$1,285.00 fee required.
- EIR filed. \$875.00 fee required.

EXHIBIT 8

NOTICE OF DETERMINATION

TO: Office Of Planning And Research
1400 - Tenth Street, Room 121
Sacramento, California 95814

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

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resource Code.

Project Title: Angora Creek Stream Environment Zone Restoration Project

| State Clearing House Number | Contact Number | Telephone Number |
|-----------------------------|----------------|-----------------------|
| | Joe Pepi | 530/542-5560 ext. 326 |

Project Location:

The project is located in eastern El Dorado County, in the Lake Tahoe Basin, west of U.S. Highway 50 near Meyers, California, bounded by Lake Tahoe Blvd. to the west and Washoe Meadows State Park to the east.

Project Description:

The project will include channel reconstruction, bioengineered bank stabilization, riffle pool construction, reestablishment or creation of fish and wildlife habitat, debris removal or redeployment, and re-vegetation and stabilization of bare soil areas. The purpose is to restore stream function and improve riparian and aquatic habitat. Restoring the creek to a more stable channel with access to its floodplain should provide substantial water quality and wildlife benefits.

This is to advise that the California Tahoe Conservancy, 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 Mitigated Negative Declaration for the project was prepared and approved by El Dorado County on November 21, 2003 and a Notice of Determination along with the California Department of Fish and Game fee were filed November 21, 2003. The Notice of Determination, Negative Declaration, and record of project approval may be examined at El Dorado County Department of Transportation, 924B Emerald Bay Road., South Lake Tahoe, California 96150. The California Tahoe Conservancy reviewed and considered the Mitigated Negative Declaration that was prepared by El Dorado County 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. A copy of the receipt for California Department of Fish and Game fee is attached.

FISH & GAME FEES: See above.

Date Received for Filing

Dennis T. Machida
Executive Officer
(March 19, 2004 Board Meeting)

EXHIBIT 9

CALIFORNIA DEPARTMENT OF FISH AND GAME CERTIFICATE OF FEE EXEMPTION De Minimis Impact Finding

Project Title:

Angora Creek Stream Environment Zone Restoration Project

Location:

The project is located in eastern El Dorado County, in the Lake Tahoe Basin, west of U.S. Highway 50 near Meyers, California, bounded by Lake Tahoe Blvd. to the west and Washoe Meadows State Park to the east.

Project Description:

The project will include channel reconstruction, bioengineered bank stabilization, riffle pool construction, reestablishment or creation of fish and wildlife habitat, debris removal or redeployment, and re-vegetation and stabilization of bare soil areas. The purpose is to restore stream function, improve riparian and aquatic habitat on 4 acres, as well as establish a more stable channel with access to its floodplain, providing major water quality and wildlife benefits.

Findings of Exemption:

El Dorado County has prepared a Mitigated Negative Declaration. The County has determined that the project will have no significant environmental impact and has filed a CEQA Initial Study, and a Notice of Determination with the State Clearinghouse. The California Tahoe Conservancy has considered the environmental impacts of the proposed Angora Creek Stream Environment Zone Project as described in the attached Mitigated 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. Potential effects on fish and wildlife resources are De Minimis.

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
California Tahoe Conservancy
Date

EXHIBIT B-4
REVISED ESTIMATED PROJECT SCHEDULE AND BUDGET

UPPER ANGORA CREEK

ACQUISITION SCHEDULE

| <u>Activity</u> | <u>Date</u> |
|--|--------------|
| Submit Appraisals and Preliminary Title Reports to CTC | January 2004 |
| Negotiation and Agreement of Sales | June 2004 |
| Close of Escrow | July 2004 |
| Final Date for Submittal of Acquisition Invoices | May 1, 2007 |

ACQUISITION COST ESTIMATE

| Task | Total |
|--------------------------------|------------------|
| Land Acquisition and Easements | \$110,000 |
| Appraisals/Title/Escrow | \$ 12,350 |
| Administration | \$ 94,000 |
| Contingency | \$ 10,000 |
| | |
| Total | \$226,350 |

Other Funding Contributions:

Bureau of Reclamation (BOR)

Construction Grant: \$900,000

Tahoe Regional Planning Agency
(TRPA) SEZ Mitigation Funds: \$691,321

Lahontan Regional Water Quality Control
Board (LRWQCB) 319(h) Grant: \$ 38,979

Total Other Funding: \$1,630,300

SILVERTIP

ACQUISITION SCHEDULE

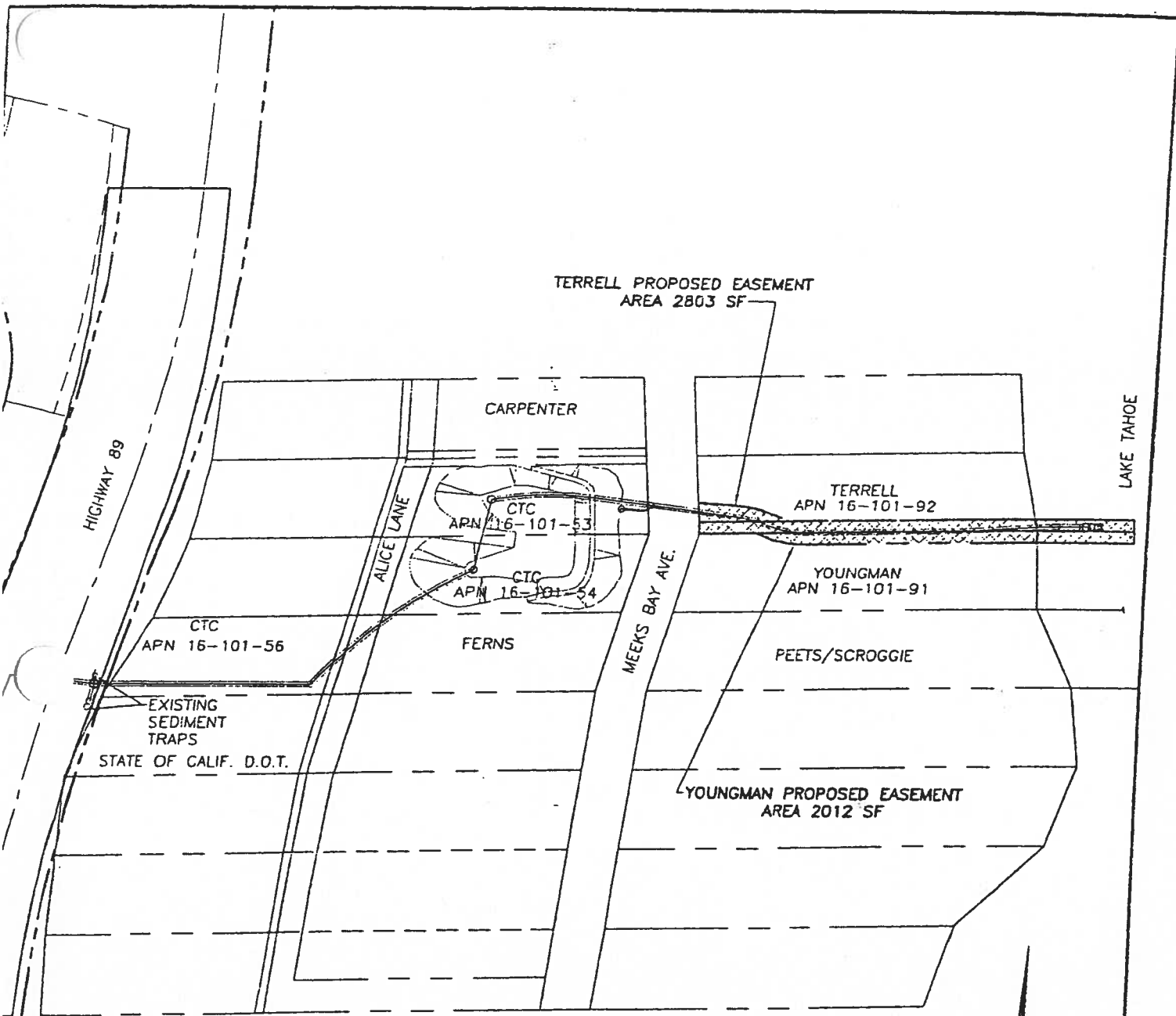
| <u>Activity</u> | <u>Date</u> |
|--|--------------|
| Submit Appraisals and Preliminary Title Reports to CTC | January 2004 |
| Negotiation and Agreement of Sales | June 2004 |
| Close of Escrow | July 2004 |
| Final Date for Submittal of Acquisition Invoices | May 1, 2007 |

ACQUISITION COST ESTIMATE

| Task | Total |
|--------------------------------|-----------|
| Land Acquisition and Easements | \$250,000 |
| Appraisals/Title/Escrow | \$ 20,000 |
| Administration | \$ 60,000 |
| Contingency | \$ 10,000 |
| | |
| Total | \$340,000 |

Other Funding

| | |
|--|-----------|
| Tahoe Regional Planning Agency (TRPA) Water Quality Mitigation Fund | \$611,384 |
|--|-----------|



SCALE: 1" = 100'

DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



2004 CTC GRANT APPLICATION
RIGHT-OF-WAY AUGMENTATION
SILVERTIP EROSION CONTROL PROJECT
Property Acquisition and Public Ownership Map

EXHIBIT

3

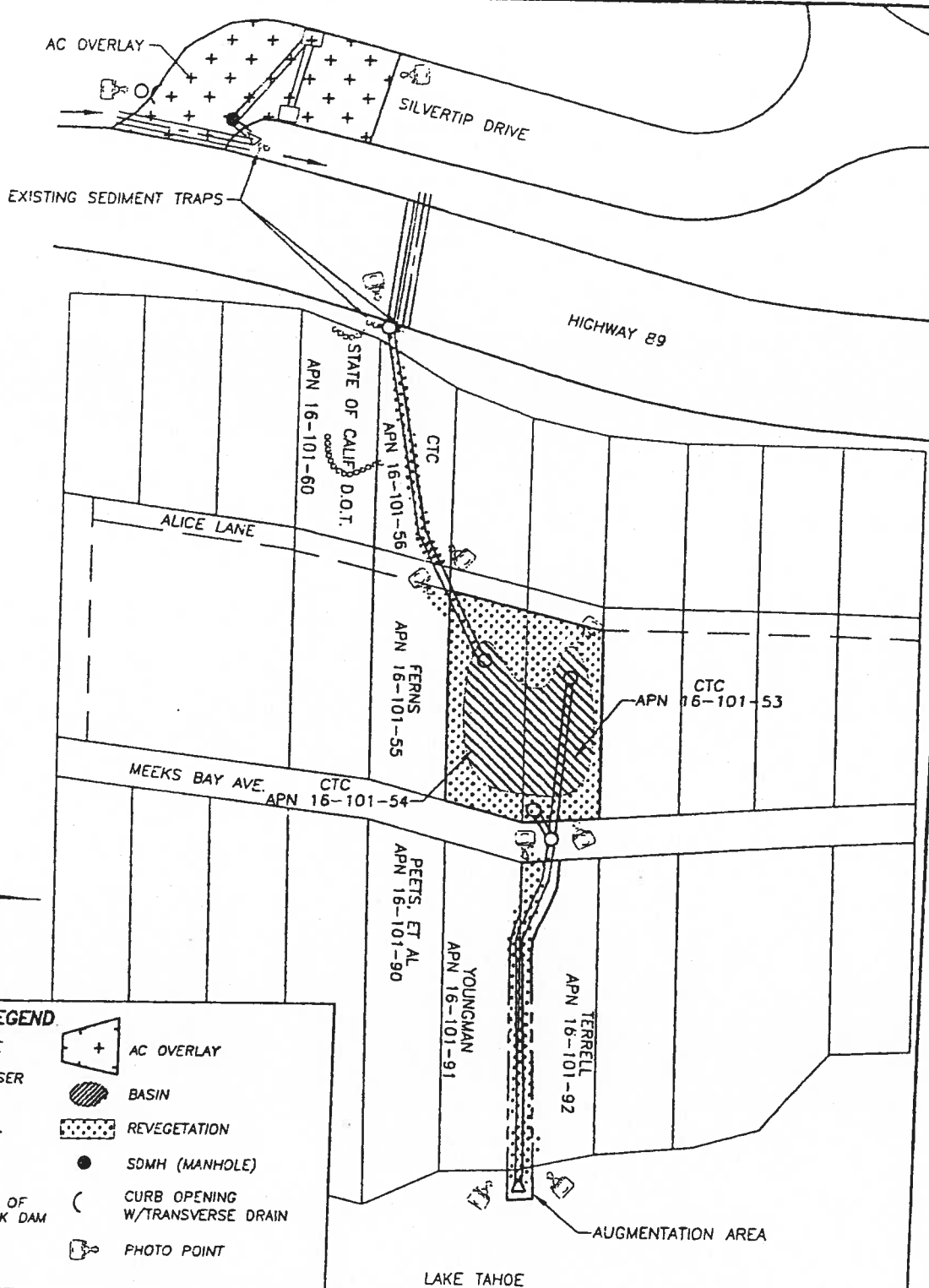
DATE: 4/04

PROJECT NO.: 95141

BY: DRF

09-1264.B3.98

EXHIBIT D-8



SCALE: 1" = 100'

LEGEND

| | |
|---|----------------------------------|
| EXISTING DRAINAGE | AC OVERLAY |
| SAND TRAP OR RISER | BASIN |
| CULVERT PIPE | REVEGETATION |
| OUTLET STRUCTURE | SDMH (MANHOLE) |
| APPROX. LOCATION OF EXIST. PIPE | CURB OPENING W/ TRANSVERSE DRAIN |
| APPROX. LOCATION OF EXIST. ROCK CHECK DAM | PHOTO POINT |
| DROP INLET W/ TRANSVERSE DRAIN | |

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



2004 CTC GRANT APPLICATION
RIGHT-OF-WAY AUGMENTATION
SILVERTIP EROSION CONTROL PROJECT
Proposed Improvements and Photo Monitoring Points

EXHIBIT
2

DATE: 4/04 PROJECT NO: 95141 BY: DRF

Exhibit G SIGN GUIDELINES

Authority:

All projects funded by the "The Safe Neighborhood Parks, Clean Water, Clean Air and Coastal Protection Bond Act of 2000" (**2000 Parks Bond Act**) must include a posted sign acknowledging the source of the funds following guidelines developed by the Resources Agency.

Reference Section PRC 5096.309

Purpose:

To inform the public that the 2000 Bond Acts that they voted for are providing public benefits throughout the State and that their Bond dollars are at work and helping make California a better place to live. This message will reinforce the need for additional funding for similar projects.

Universal Logo:

All signs will contain a universal logo that will be equated with the 2000 Bond Act statewide. The logo will be on a template, available through the internet (www.resources.ca.gov)

Tier I and Tier II:

For the purpose of the sign guidelines only, all projects are divided into Tier I and Tier II projects:

Tier I: Projects using less than \$750,000 of Parks Bond Act Funds.

Tier II: Projects using more than \$750,000 of Parks Bond Act Funds and/or projects situated in areas of high public visibility. (such as near a freeway intersection).

(Archaeological sites are excluded)

Minimum Requirements: Tier I

The universal logo must be mounted in an area to maximize visibility and durability. The logo must be a minimum of 2'x2'. There is no maximum size. Exceptions are permitted in the case of trails, historical sites and other areas where these dimensions may not be appreciate. The logo must be posted no later than project completion.

A larger sign that includes the logo, other wording and acknowledgements may be posted. There is no maximum number of signs.

Minimum Requirements: Tier II

Two signs are required per project, one during construction and one upon completion.

Sign while under construction:

The sign will use a white background and will contain the logo and the following language:

(Description of Project)

Another project to improve California's parks (trails, watersheds, environment, water quality etc.) funded by the 2000 Parks Bond –

Arnold Schwarzenegger, Governor

Recommended size of signs while under construction: minimum of 4.5' x 7.5'.

Project completion Sign

Upon completion of all Tier II projects, a sign will be posted that includes the Bond Logo. The logo on the sign must be a minimum of 2' x 2' and include the following wording:

(Description of Projects)

Another project to improve California parks (trails, watersheds, environment, water quality etc.) funded by the 2000 Parks Bond – (in large font)

Optional Language: The Safe Neighborhood Parks, Clean Air and Coastal Protection Bond Act of 2000 (The Villaraigosa – Keeley Act)

Director of State Department

Michael Chrisman, Secretary for Resources

Arnold Schwarzenegger, Governor

The name of the director of the logo agency or other governing body may also be added. The sign may also include the names (and/or logos) of other partners, organizations, individuals and elected representatives as deemed appropriate by those involved in the project.

Sign Construction:

All material used shall be durable and able to resist the elements and graffiti. State Parks and Cal Trans standards can be used as a guide for gauge of metal, quality of points used, mounting specifications, etc.

Sign Duration:

The goal is to have project signs in place for a lengthy period of time, preferably a minimum of 2 years for Tier I project signs and 4 years minimum for Tier II projects signs.

Sign Cost:

The cost of the sign(s) is an eligible project cost. Application should consider potential replacement cost as well. More durable signage encouraged; e.g. bronze memorials mounted in stone at trailheads, on refurbished historical monuments and buildings etc.

Appropriateness of Signs:

For projects where the required sign may be out of place (such as some refurbished cultural and historic monuments and buildings), the project officer/grants administrator in consultation with the application may authorize a sign that is tasteful and appropriate to the project in question. Alternate signage must be immediately recognized as a Parks Bond 2000 sign.

Sign on State Highways:

Signs placed within the state highway right-of-way may require a Caltrans encroachment permit. Contact your local Caltrans District Office early in the planning phases for more information.

EXHIBIT H

Eligible Project Costs for Planning and Site Improvement Grants

Eligible costs - The Conservancy will fund up to 100% of eligible project costs for planning and site improvements.

The following types of costs are eligible for funding under the planning grant program:

- work-plan preparation;
- completion of approved work-plan products;
- public meeting costs;
- project design, administration, and interagency coordination;
- pre-construction water quality monitoring;
- preparation of preliminary plans, specifications and cost estimates;
- grant application preparation;
- pre-acquisition activities related to the acquisition of interests in land;
- project evaluation and environmental documentation; and
- preparation and processing of permit applications.

The Conservancy will fund all eligible project costs incurred after board approval (consistent with the terms of the grant agreement) and Conservancy staff approval of the grantee's work-plan. Advance payments or reimbursement for expenses will not begin until Conservancy staff approval of the grantee's work-plan. The work-plan will identify the specific work products (conceptual plans, environmental documents, surveys etc.) to be developed during the planning process and their delivery dates. Written approval from the Conservancy is required for any major changes to the approved work-plan.

The following types of costs are eligible for funding under the site improvement grants program:

- project administration and interagency coordination;
- preparation and processing of permit applications;
- water quality monitoring;
- preparation of contract documents including final plans, specifications and cost estimates;
- construction of erosion control and restoration measures and re-vegetation of disturbed areas;
- project inspection;
- final activities in acquisition of interests in land; and
- project evaluation and documentation.