

SOIL EROSION CONTROL GRANTS TO EL DORADO COUNTY

Summary: Staff recommends awarding three site improvement grants to El Dorado County for the Forest View Water Quality Improvement Project, County Service Area #5 Erosion Control Project Phase A, and Golden Bear Erosion Control Project using redirected grant funds in the existing Angora 3 Erosion Control Project site improvement grant.

Location: The Forest View Water Quality Project is located in the Rubicon Properties Unit Number 2 subdivision which is bordered by Lonely Gulch to the north, Woodland Drive to the east, Highland Drive to the south, and Forest View Drive to the west (Attachment 1A). The County Service Area #5 Erosion Control Project Phase A is located in the Tahoe Cedars subdivision and is bordered by State Route 89 to the north, Lake Tahoe to the east, Poplar Street to the south, and Tenth Street to the west (Attachment 1B). The Golden Bear Erosion Control Project is located within Montgomery Estates Unit Number 7 subdivision and is bordered by Trout Creek to the north, Pioneer Trail to the east, Conservancy and U.S. Forest Service parcels to the south, and Sourdough Trail to the west (Attachment 1C).

Fiscal Summary: \$1,020,000 in Proposition 50 funds

Recommended Action: Adopt Resolution 12-12-02 (Attachment 2)

Background

As part of the Annual Soil Erosion Control Grants Program, the Conservancy awarded a site improvement grant for \$2,528,150 in May 2006 to El Dorado County (County) for the Angora 3 Erosion Control Project (Angora 3). This site improvement grant was amended in March 2008 with an additional \$1,647,024 in funding due to changes in existing conditions. The Angora 3 project area included portions of neighborhoods impacted by the Angora Fire in June 2007, which resulted in the need to re-evaluate the

conditions of the area, develop revised project alternatives, and construct the water quality improvements in a longer, phased approach. Construction of Angora 3 was further delayed due to the State's freeze on the use of bond funds in late 2008. The County ultimately completed construction of Angora 3 in the summer of 2011.

A large balance of the Conservancy site improvement grant funds was unused in the project for several reasons. These include construction bids being much lower than the original engineer's estimate, significant modifications to the design as a result of the Angora Fire, the phased construction approach due to the Fire, the use of County staff to design the project in lieu of consultants and the use of County maintenance crews to install some of the improvements. At the closing of the Angora 3 contract, there was a remaining balance of \$1,026,351.71. The County requests to redirect these remaining funds for implementing three of its high priority erosion control projects: Forest View Water Quality Project (Forest View), County Service Area #5 Erosion Control Project Phase A (CSA#5), and Golden Bear Erosion Control Project (Golden Bear). Consistent with the guidelines of the Soil Erosion Control Grants Program, staff has evaluated the County's request and recommends the award of three site improvement grants to the County.

In 2009 the County completed an assessment of all County-maintained watershed outfalls within the Tahoe Basin. The County noted during this assessment that they have numerous outfall pipes that discharge untreated stormwater runoff directly into Lonely Gulch Creek, Lake Tahoe and Trout Creek. The three projects proposed for site improvement grant funding address these outfalls.

Project Description/Proposed Improvements and Expected Benefits

Staff recommends redirecting the remaining balance of \$1,026,351.71 from the Angora 3 site improvement grant and awarding three site improvement grants to the County using \$1,020,000 of these funds. The proposed soil erosion control site improvement grants are:

- Forest View Water Quality Project
 - Up to \$400,000 for design and construction;
- County Service Area #5 Erosion Control Project Phase A
 - Up to \$395,000 for design and construction;
- Golden Bear Erosion Control Project
 - Up to \$225,000 for design and construction.

Forest View: Two urban outfall pipes discharge untreated stormwater runoff directly into Lonely Gulch Creek. Forest View proposes to address the treatment and infiltration of this stormwater runoff before it reaches Lonely Gulch Creek. Forest View will complement existing BMPs in the subdivision that addressed conveyance by incorporating offline infiltration systems, within the County right of way (ROW) on existing roadways, to reduce the volume of stormwater runoff and fine sediment that is currently discharged directly into the Creek (Attachment 3A).

CSA#5: CSA#5 was initiated from the analysis of the County's Pollutant Load Reduction Strategy (PLRS). Currently, a storm drain pipe from the upper watershed of the Tahoe Cedars subdivision conveys stormwater runoff directly into Lake Tahoe. This project area is a part of EIP#10062. CSA#5 will stabilize eroding slopes and ditches within the ROW on existing roadways and incorporate infiltration systems within the current storm drainage infrastructure to reduce the volume of stormwater runoff and fine sediment that reach the Lake (Attachment 3B).

Golden Bear: The Golden Bear Project was initiated to address water quality problems within the Montgomery Estates Unit No.7 subdivision. The identified issues were direct discharge of stormwater runoff into Trout Creek, eroding cut slopes and drainage ditches, and traction abrasive accumulation on roads. The project will both stabilize eroding slopes and ditches and install an infiltration system, within the existing roads ROW, to reduce the volume and treat the stormwater runoff that currently discharges directly into Trout Creek (Attachment 3C).

As described above, each of these erosion control projects is designed to treat direct discharges of stormwater runoff to surface waters by infiltrating and treating the stormwater runoff within the ROW on existing roadways. The projects will incorporate infiltration systems and sediment traps to reduce the volume of stormwater runoff from the 25 year one hour design storm by 33% or more and also aim to reduce the volume of fine and coarse sediments entering the Lake and its tributaries by 33%. The projects will also stabilize any eroding slopes and ditches within the ROW with revegetation and rock. The completion of these three projects, in conjunction with CSA #5 Phase B, funded by the USFS, will assist the County in reaching their Total Maximum Daily Load targets by providing an anticipated Lake Clarity Credit of 63. Completion of the projects is integral to the County's Pollutant Load Reduction Strategy.

Project Budget

The funds remaining in the Angora 3 project are Proposition 50 bond funds that were originally appropriated in 2008 and then re-appropriated in 2010 due to impacts from the state bond freeze. Staff recommends redirecting these funds from the Angora 3 grant and using these funds for the three new grants.

Forest View and CSA#5 Phase A will use only Conservancy funding. Golden Bear’s planning efforts have been funded with \$125,000 of USFS Erosion Control Grant funds. The recommended Conservancy funds for Golden Bear are necessary to complete the project. USFS is also contributing funds to other complementary County projects in the surrounding areas of both the CSA#5 and the Golden Bear Projects.

Project specific budgets are as follows:

Forest View

Task	Amount
Design and Administration	\$120,000
Construction Engineering and Administration	\$50,000
Construction	\$205,000
Plant Establishment	\$5,000
Monitoring	\$10,000
Contingency	\$10,000
Total	\$400,000

County Service Area #5 Phase A

Task	Amount
Design and Administration	\$75,000
Construction Engineering and Administration	\$50,000
Construction	\$245,000
Plant Establishment	\$5,000
Monitoring	\$10,000
Contingency	\$10,000
Total	\$395,000

Golden Bear

Task	Amount
Design and Administration	\$10,000
Construction Engineering and Administration	\$45,000
Construction	\$135,000
Plant Establishment	\$5,000
Monitoring	\$10,000
Contingency	\$20,000
Total	\$225,000

Project Schedules

Forest View

Main Milestone	Estimated Completion Date
Pre-Final Plans, Specifications & Reports	January 2014
Final Plans, Specifications & Reports	March 2014
Construction-Notice of Completion	October 2014
Record Drawings/Final Construction Report	January 2015
Post Construction Monitoring Report	June 2015

County Service Area #5 Phase A

Main Milestone	Estimated Completion Date
Pre-Final Plans, Specifications & Reports	January 2014
Final Plans, Specifications & Reports	March 2014
Construction-Notice of Completion	October 2014
Record Drawings/Final Construction Report	January 2015
Post Construction Monitoring Report	June 2015

Golden Bear

Main Milestone	Estimated Completion Date
Pre-Final Plans, Specifications & Reports	January 2014
Final Plans, Specifications & Reports	March 2014
Construction-Notice of Completion	October 2014
Record Drawings/Final Construction Report	January 2015
Post Construction Monitoring Report	June 2015

Project Implementation

If the Board authorizes funding for the three Projects, standard agreements entered into by the Conservancy and the individual grantees will govern the project implementation. As in recent agreements, the new site improvement grants will provide for an advance of up to 90% for administration and construction.

The project budgets and schedules are preliminary and subject to change. However, such changes will not exceed the total amount awarded in each grant. Any remaining funds for site improvement projects will be used, if necessary, to extend improvements to adjoining areas.

Project Evaluation

Staff recommends the award of site improvement grants for the design and construction of the three projects. The projects are consistent with the Conservancy's Erosion Control Program Guidelines and followed the Preferred Design Approach during planning. Further, modeling completed as part of the County's PLRS has shown that these three project areas are large contributors of fine sediment particles since they involve direct connections to the Lake or its tributaries. In order to minimize the costs of the projects' improvements, the County will construct the improvements within its ROW on existing roadways and make use of existing conveyance infrastructure in the project areas.

Consistency with the Conservancy's Enabling Legislation

Implementation of these projects is consistent with the Conservancy's enabling legislation. Specifically, Government Code sections 66905.2 and 66907.7 authorize the Conservancy to award grants to local public agencies, state agencies, federal agencies, federally recognized Indian tribes, the Tahoe Transportation District, and nonprofit organizations for purposes consistent with its mission which includes soil erosion control projects.

Compliance with the California Environmental Quality Act (CEQA)

Pursuant to CEQA Guidelines (Cal. Code Regs., title 14, § 15000 et seq.), certain classes of activities are statutorily exempt from CEQA or are exempt because they have been determined by the Secretary for Resources to have no significant effect on the environment. Pursuant to Public Resources Code section 21082, the Conservancy has also adopted regulations to implement, interpret, and make specific, the provisions of CEQA. Cal. Code Regs., title 14, § 12100 et seq. Staff has evaluated these projects, and has found them to be exempt under CEQA. These projects qualify for a categorical exemption under CEQA Guidelines, section 15303 class 3 (New Construction or Conversion of Small Structures). If the Board approves the three grants, staff will file a Notice of Exemption (NOE) for each project with the State Clearinghouse pursuant to CEQA Guidelines, section 15062. (Attachment 4)

List of Attachments:

Attachment 1A, 1B, 1C – Project Area Maps

Attachment 2 – Resolution 12-12-02

Attachment 3A, 3B, 3C – Project Proposed Improvements

Attachment 4A, 4B, 4C – Conservancy Notice of Exemption

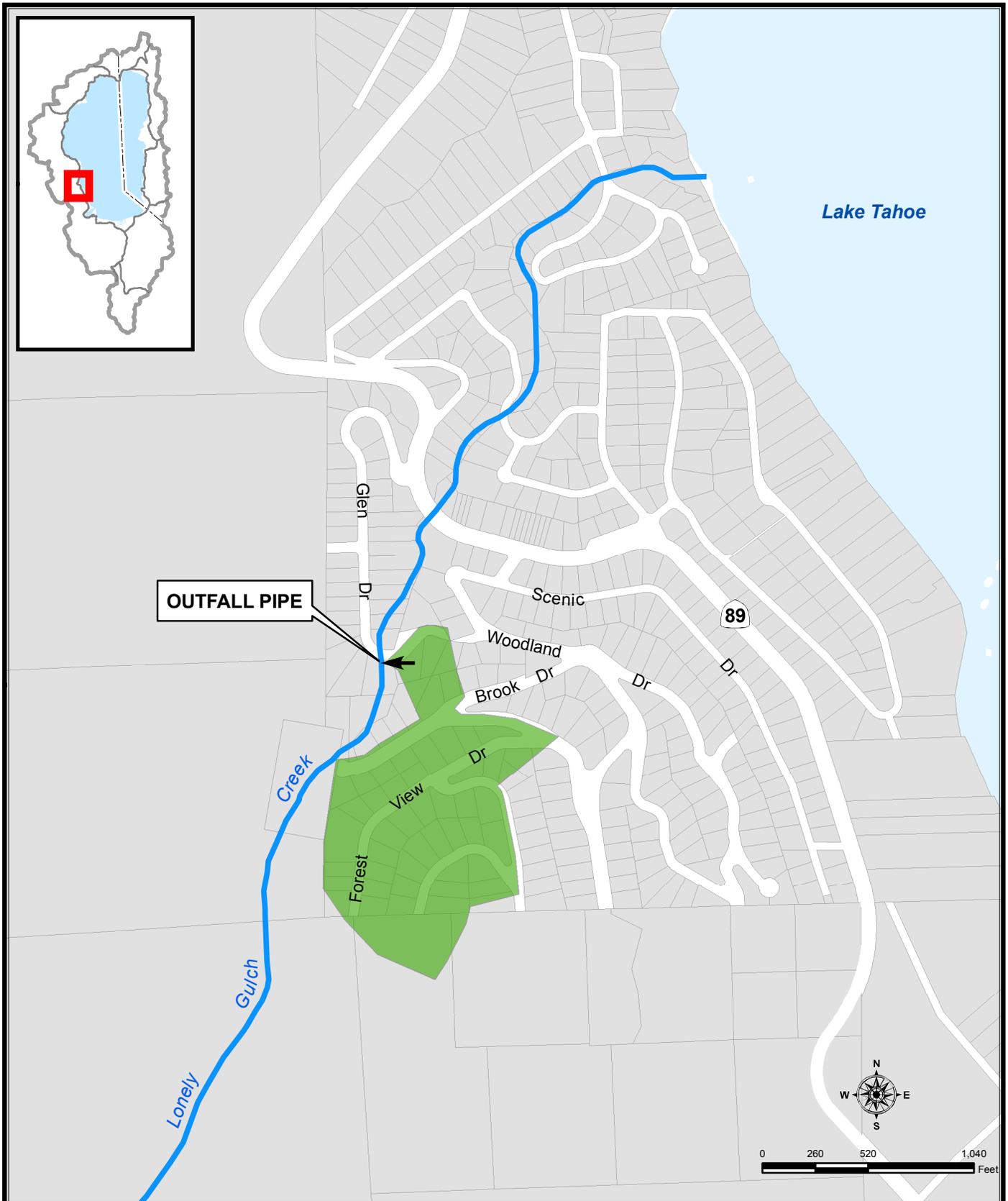
Conservancy Staff Contact:

Mark Sedlock

(530) 543-6048

msedlock@tahoe.ca.gov

ATTACHMENT 1A
Forest View Project Area Location Map



 **Forest View Project Area**

California Tahoe Conservancy
December 2012

Map for reference purposes only.
Sources: TRPA; USGS; El Dorado County



ATTACHMENT 1B
County Service Area #5, Phase A, Project Location Map



 **County Service Area #5, Phase A**

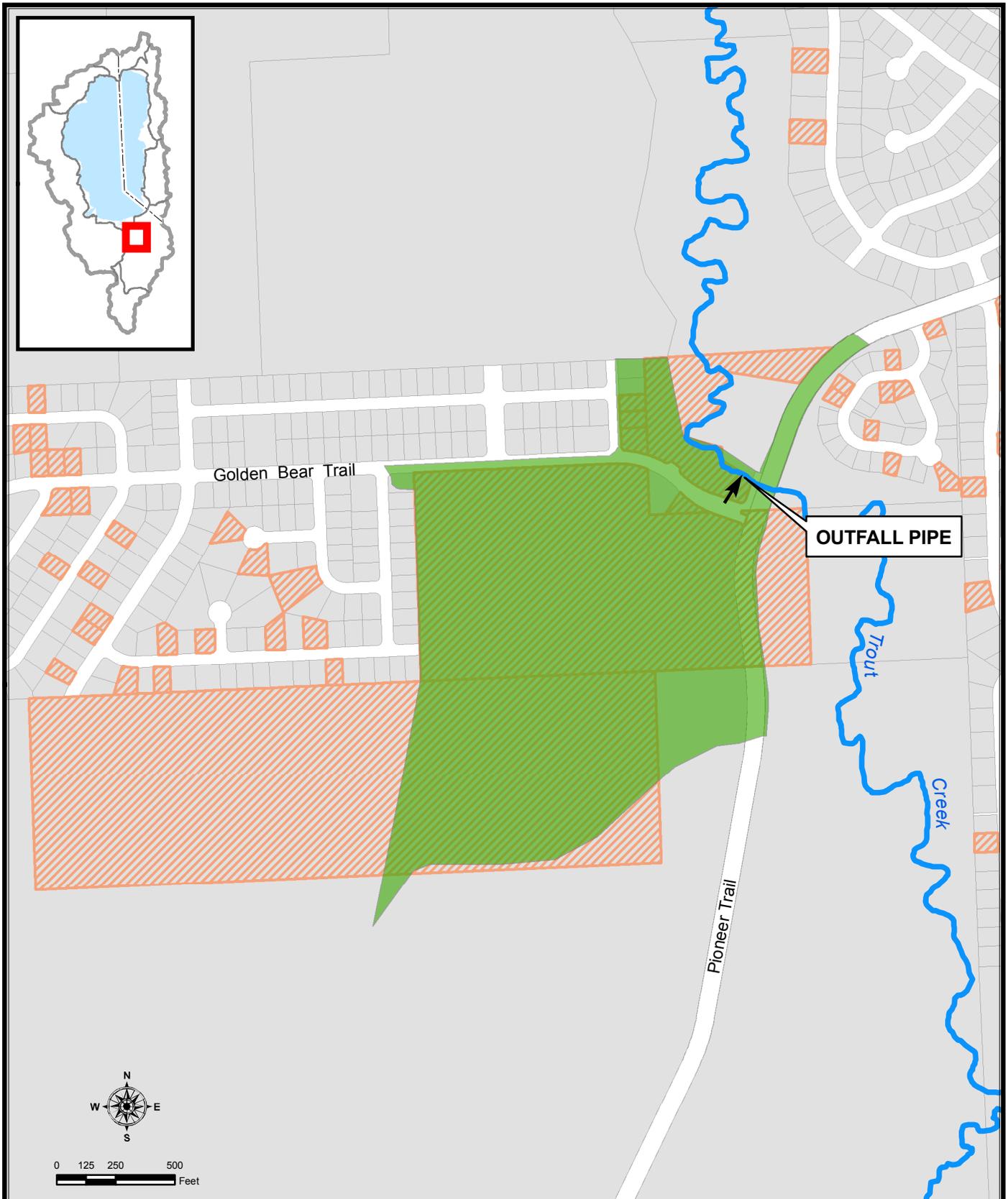
California Tahoe Conservancy

December 2012

Map for reference purposes only.
Sources: TRPA; USGS; El Dorado County



ATTACHMENT 1C
Golden Bear Project Area Location Map



-  Golden Bear Project Area
-  Conservancy-owned Parcels

California Tahoe Conservancy
December 2012

Map for reference purposes only.
Sources: TRPA; USGS; El Dorado County



ATTACHMENT 2

California Tahoe Conservancy
Resolution
12-12-02
Adopted: December 14, 2012

SOIL EROSION CONTROL GRANTS TO EL DORADO COUNTY

Staff recommends that the California Tahoe Conservancy make the following finding based on the accompanying staff report pursuant to Public Resources Code section 21000 et seq.:

“The California Tahoe Conservancy has evaluated Forest View Water Quality Project, County Service Area #5 Erosion Control Project Phase A, and Golden Bear Erosion Control Project and determined each project to be categorically exempt from the California Environmental Quality Act (CEQA). The Conservancy hereby directs staff to file a Notice of Exemption for each project with the State Clearinghouse.”

Staff further recommends that the Conservancy adopt the following resolution pursuant to Government Code sections 66905.2 and 66907.7:

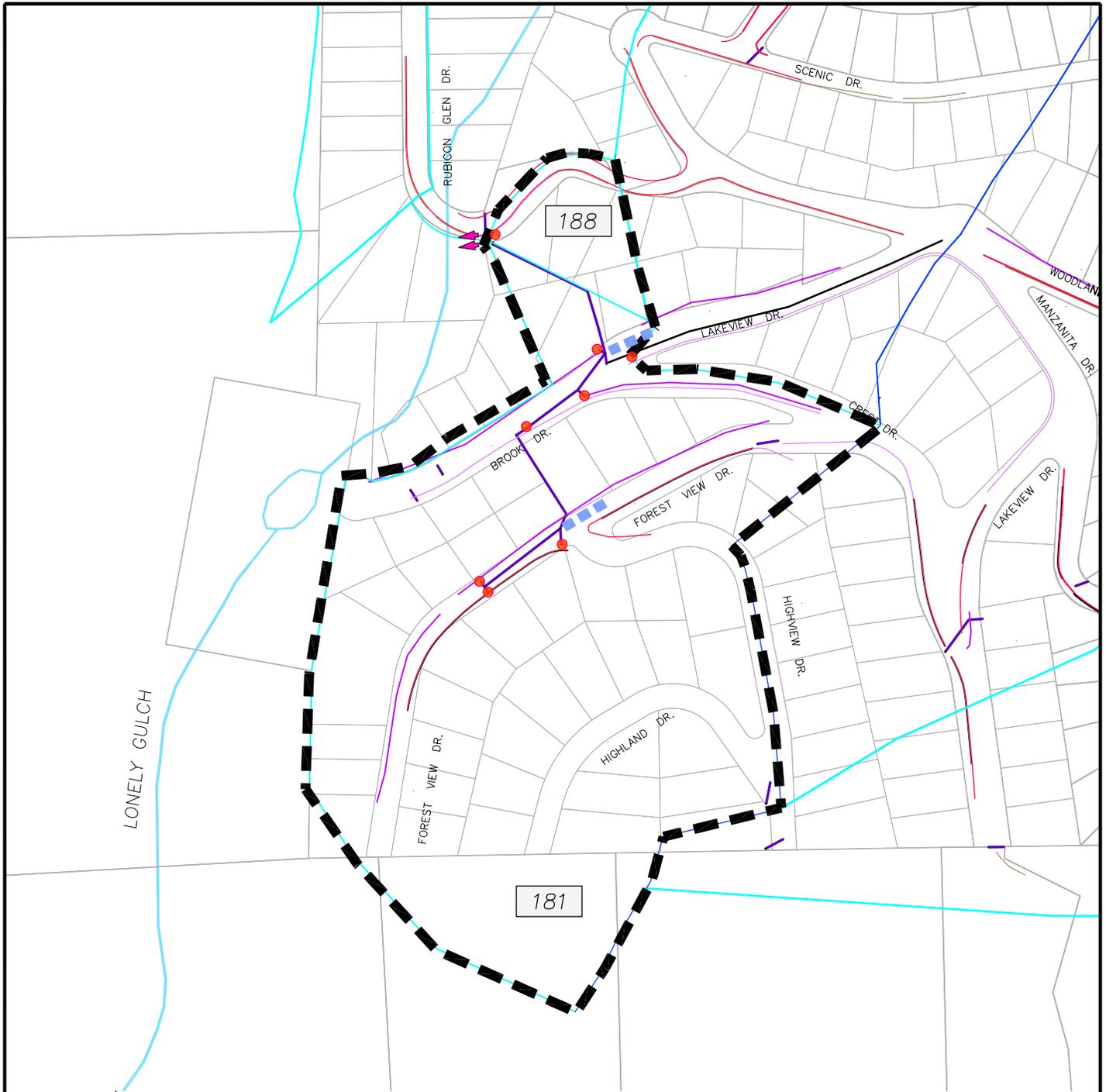
“Authorize the award of three site improvement grants to El Dorado County in the amounts of up to \$400,000 for the Forest View Water Quality Project, up to \$345,000 for the County Service Area #5 Erosion Control Project Phase A, and up to \$225,000 for the Golden Bear Erosion Control Project and authorizes staff to take all other necessary actions consistent with the accompanying staff report.”.

I hereby certify that the foregoing is a true and correct copy of the resolution duly and regularly adopted by the California Tahoe Conservancy at a meeting thereof held on the 14th day of December 2012.

In WITNESS THEREOF, I have hereunto set my hand this 14th day of December 2012.

Patrick Wright
Executive Director

ATTACHMENT 3A



LEGEND

- | | | | |
|--|-----------------------------|--|-------------------------|
| | EXISTING CONTOUR | | PROJECT BOUNDARY |
| | EXISTING RIGHT-OF-WAY | | EXISTING CULVERT |
| | EXISTING PROPERTY LINE | | EXISTING BASIN |
| | EXISTING WATERSHED BOUNDARY | | EXISTING CHANNEL |
| | EXISTING CURB | | OUTFALL |
| | EXISTING DIKE | | PROPOSED TREATMENT AREA |
| | EXISTING GABION | | PROPOSED TREATMENT AREA |

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



SOIL EROSION CONTROL GRANTS PROGRAM
FOREST VIEW EROSION CONTROL PROJECT

Proposed Improvements

DATE: 09/2012

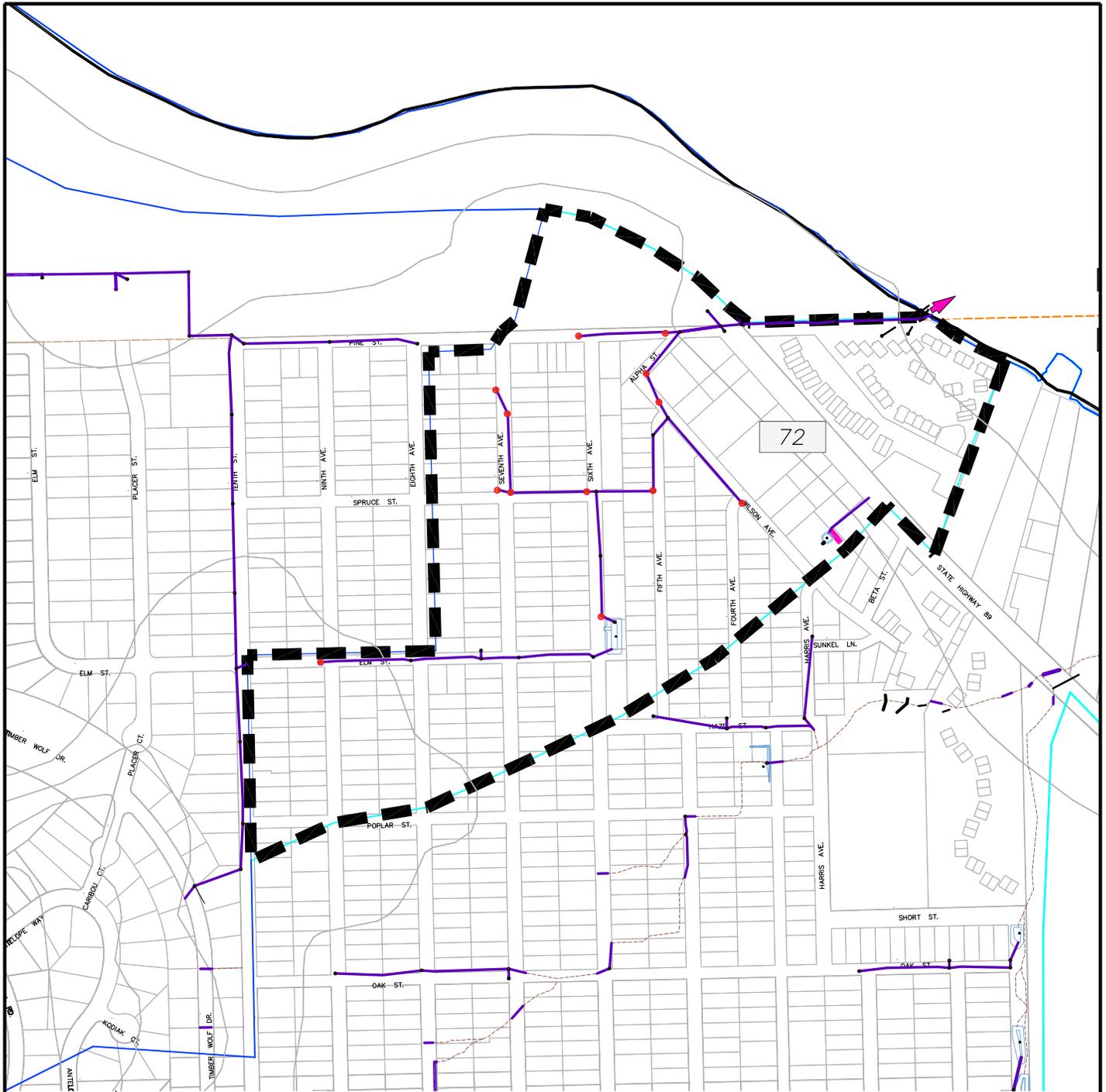
PROJECT NO.: .

BY: KIS

FIGURE

C

ATTACHMENT 3B



LEGEND

- EXISTING CONTOUR
- EXISTING RIGHT-OF-WAY
- EXISTING PROPERTY LINE
- EXISTING DRAINAGE OR PUBLIC UTILITY EASEMENT
- EXISTING WATERSHED BOUNDARY
- PROJECT BOUNDARY
- EXISTING CULVERT
- EXISTING BASIN
- EXISTING CHANNEL
- OUTFALL
- PROPOSED TREATMENT AREA
- PROPOSED TREATMENT AREA

0 250' 500'
SCALE

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



SOIL EROSION CONTROL GRANTS PROGRAM
CSA #5 EROSION CONTROL PROJECT

Proposed Improvements

DATE: 01/2012

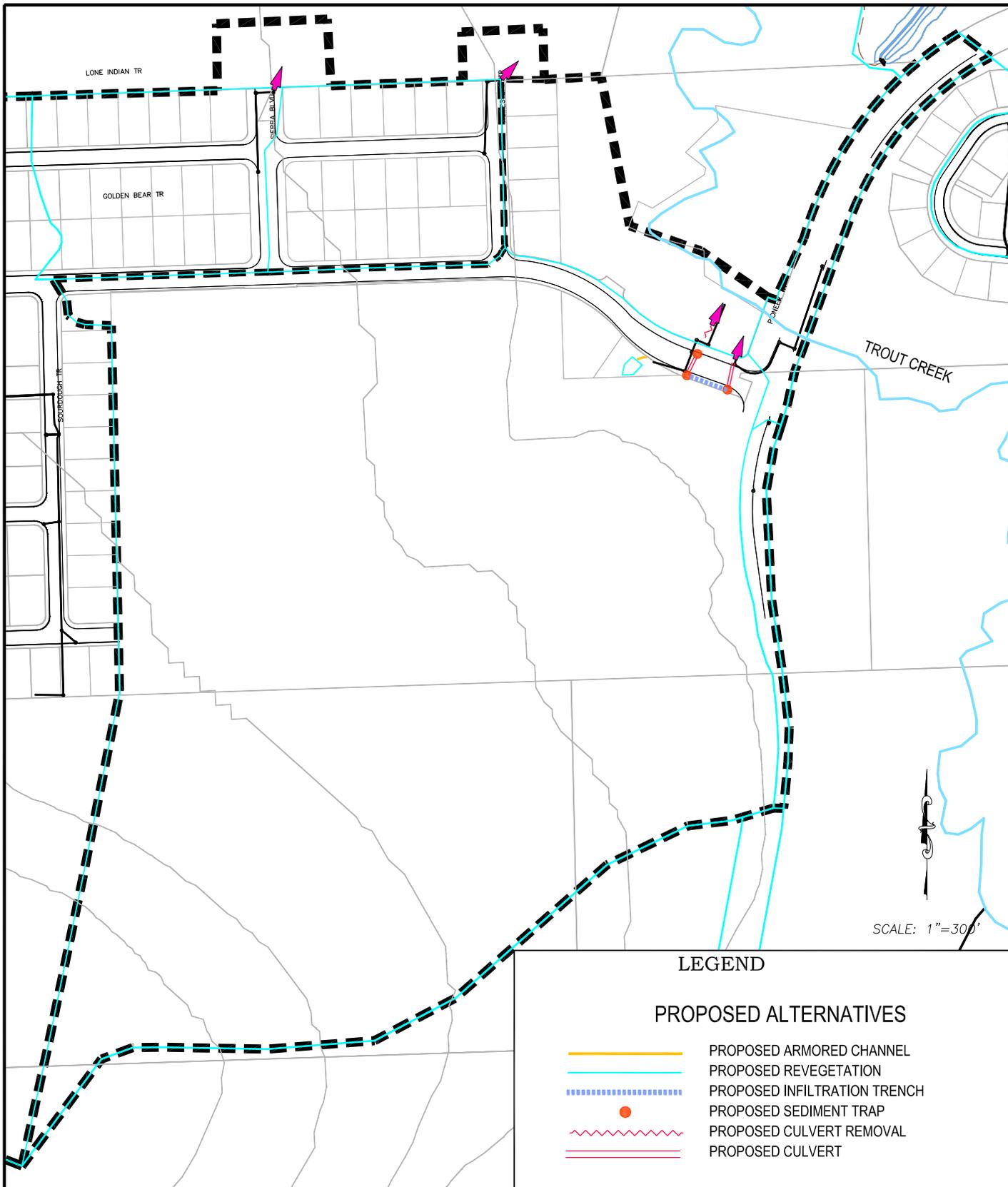
PROJECT NO.: 95157

BY: DWK

FIGURE

C

ATTACHMENT 3C



LEGEND

PROPOSED ALTERNATIVES

-  PROPOSED ARMORED CHANNEL
-  PROPOSED REVEGETATION
-  PROPOSED INFILTRATION TRENCH
-  PROPOSED SEDIMENT TRAP
-  PROPOSED CULVERT REMOVAL
-  PROPOSED CULVERT

EL DORADO COUNTY
SOUTH LAKE TAHOE OFFICE



SOIL EROSION CONTROL GRANTS PROGRAM
GOLDEN BEAR EROSION CONTROL PROJECT

Proposed Improvement Plan

DATE: 1/2012

PROJECT NO.: 95176

BY: DWK

FIGURE

C

ATTACHMENT 4A

NOTICE OF EXEMPTION

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

FROM: California Tahoe Conservancy
1061 Third Street
South Lake Tahoe, CA. 96150

Project Title:

Forest View Water Quality Project

Project Location – Specific:

On the west shore of Lake Tahoe on Forest View Dr., Brook Dr., Lakeview Dr., and Rubicon Glen Dr., in the Rubicon Properties subdivision of El Dorado County, California

Project Location – City:

Unincorporated area

Project Location – County:

El Dorado County

Description of Nature, Purpose, and Beneficiaries of Project:

The Project involves retrofitting existing stormwater facilities within the County right of way with underground infiltration systems to treat stormwater runoff prior to it discharging to Lonely Gulch.

Name of Public Agency Approving Project:

California Tahoe Conservancy (Conservancy meeting of 12/14/2012) (Agenda Item 9)

Name of Person or Agency Carrying Out Project:

El Dorado County Department of Transportation

Exempt Status:

- Ministerial (§ 21080 (b)(1); § 15268)
- Declared Emergency (§ 21080 (b)(3); § 15269 (a))
- Emergency Project (§ 21080 (b)(4); § 15269 (b)(c))
- Categorical Exemption. § 15303, Class 3

Reasons Why Project is Exempt:

The project will construct new small facilities that are entirely within an existing paved County roadway. The disturbance will be minor and will be entirely within existing disturbed areas.

Contact Person:

Mark Sedlock

Telephone Number:

(530) 543-6048

Date Received for Filing:

Patrick Wright
Executive Director

ATTACHMENT 4B

NOTICE OF EXEMPTION

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

FROM: California Tahoe Conservancy
1061 Third Street
South Lake Tahoe, CA. 96150

Project Title:

County Service Area #5 Erosion Control Project Phase A

Project Location – Specific:

On the west shore of Lake Tahoe on Elm St., 5th St., 6th St., 7th St., Wilson St., Alpha St. and Pine St., in
Tahoma, California.

Project Location – City:

Tahoma

Project Location – County:

El Dorado County

Description of Nature, Purpose, and Beneficiaries of Project:

The Project involves retrofitting existing stormwater facilities within the County right of way with
underground infiltration systems to treat stormwater runoff prior to it discharging to Lake Tahoe

Name of Public Agency Approving Project:

California Tahoe Conservancy (Conservancy meeting of 12/14/2012) (Agenda Item 9)

Name of Person or Agency Carrying Out Project:

El Dorado County Department of Transportation

Exempt Status:

- Ministerial (§ 21080 (b)(1); § 15268)
- Declared Emergency (§ 21080 (b)(3); § 15269 (a))
- Emergency Project (§ 21080 (b)(4); § 15269 (b)(c))
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Reasons Why Project is Exempt:

The project will construct new small facilities that are entirely within an existing paved County roadway.
The disturbance will be minor and will be entirely within existing disturbed areas.

Contact Person:

Mark Sedlock

Telephone Number:

(530) 543-6048

Date Received for Filing:

Patrick Wright
Executive Director

ATTACHMENT 4C

NOTICE OF EXEMPTION

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

FROM: California Tahoe Conservancy
1061 Third Street
South Lake Tahoe, CA. 96150

Project Title:

Golden Bear Erosion Control Project

Project Location – Specific:

On the south shore of Lake Tahoe at the Golden Bear Trail at intersection with Pioneer Trail in the unincorporated area of South Lake Tahoe, California.

Project Location – City:

Unincorporated area

Project Location – County:

El Dorado County

Description of Nature, Purpose, and Beneficiaries of Project:

The Project involves retrofitting existing stormwater facilities within the County right of way with underground infiltration systems to treat stormwater runoff prior to it discharging to Trout Creek.

Name of Public Agency Approving Project:

California Tahoe Conservancy (Conservancy meeting of 12/14/2012) (Agenda Item 9)

Name of Person or Agency Carrying Out Project:

El Dorado County Department of Transportation

Exempt Status:

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