

Exhibit C: Work Plan

PROJECT 9: Meyers Stream Environment Zone Erosion Control Project

IMPLEMENTING AGENCY: County of El Dorado, Department of Transportation

PROJECT DESCRIPTION: The project aims to hydrologically disconnect a watershed catchment from its existing uncontrolled drainage and reroute all waters to a treatment system (constructed wetland) through installed conveyances. This presents a unique opportunity to use a US Forest Service parcel for water quality treatment and restoration in a highly modified urban landscape. The main goal of this project is to improve the clarity of Lake Tahoe by reducing the detrimental water quality impacts of the Meyers residential area on Lake Tahoe clarity. The ancillary benefits include water quality improvement, ecosystem restoration, flood control, and public education being an elementary school is located in the project boundary.

Specific project benefits are anticipated to include a reduction in the amount of sediment discharging into Lake Tahoe by using various sediment trapping best management practices (BMPs) and source control measures. Approximate sediment load reductions of 12%, 25% and 33% are anticipated for very fine, fine, and coarse inorganic sediments, respectively. The project will complete/complement the previous series of erosion control and water quality project efforts within the area.

Budget Category (a): Project Administration

Task 1: Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee. Prepare invoices including relevant supporting documentation for submittal to DWR via the Grantee. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverables:

- Invoices and associated backup documentation

Task 2: Reporting

Prepare progress reports detailing work completed during reporting period as outlined in **Exhibit F** of this Agreement. Submit reports to DWR.

Prepare draft and final Project Completion Report. Draft report shall be submitted to DWR no later than 90 days after project completion for DWR Project Manager's comment and review. The report shall be prepared and presented in accordance with guidance as outlined in **Exhibit F**.

Deliverables:

- Quarterly Project Progress Reports
- Project Completion Report
- Documentation (e.g., photo) of "Acknowledgment of Credit" per Standard Condition D.2

Budget Category (b): Land Purchase/Easement

Task 3: Easement

El Dorado County anticipates obtaining a Special Use Permit with the US Forest Service to utilize their parcel for storm water treatment facilities.

Deliverables:

- Executed Special Use Permit

Budget Category (c): Planning/Design/Engineering/Environmental Documentation

Task 4: Feasibility Studies

The County developed a feasibility study for the proposed project in March 2016 that identified needed improvements for the entire 328-acre watershed.

Deliverables:

- Feasibility Studies (upon request)

Task 5: CEQA Documentation

A Notice of Determination for a Mitigated Negative Declaration was filed with the El Dorado County for this project in July of 2016. Prepare letter stating no legal challenges (or addressing legal challenges).

Deliverables:

- All completed CEQA documents as required
- DWR Legal Challenges Letter

Task 6: Permitting

All necessary permits required for the project will be obtained. It is anticipated that the following permits will be needed:

- Tahoe Regional Planning Agency Environmental Improvement Program (EIP) Construction Permit
- Construction General Permit (Lahontan Regional Water Quality Control Board)
- Nationwide Permit (U.S. ACOE)
- Special Use Permit (U.S Forest Service)

Deliverables:

- Permits as required

Task 7: Design – Not applicable.

Task 8: Project Monitoring Plan

Develop and submit a Project Monitoring Plan as per Paragraph 16 for DWR's review and approval.

Deliverables:

- Project Monitoring Plan

Budget Category (d): Construction/Implementation

Task 9: Contract Services

This task must comply with the Standard Condition D.11 – Competitive Bidding and Procurements. Necessary steps will be taken to secure a contractor and award the contract including: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed.

Deliverables:

- Bid Documents
- Proof of Advertisement
- Award of Contract
- Notice to Proceed

Task 10: Construction Administration

This task includes managing contractor submittal review, answering requests for information, and issuing work directives. A full-time engineering construction observer will be on site for the duration of the project. Construction observer duties include documenting of pre-construction conditions, daily construction diary, preparing change orders, addressing questions of contractors on site, reviewing/ updating project schedule, reviewing contractor log submittals and pay requests, forecasting cash flow, notifying contractor if work is not acceptable.

Deliverables:

- DWR Certificate of Completion

Task 11: Construction

The project will hydrologically disconnect a watershed catchment from its existing uncontrolled drainage and reroute all waters to a treatment system (constructed wetland) through installed conveyances. Construction activities are outlined below.

Mobilization and Demobilization

Task will include mobilization to and demobilization from project site. Mobilization includes the bringing in and staging of all material and equipment to the construction site including the required maintenance, preparation and storage to carry out all activities during the course of construction. Demobilization includes the breakdown of all aspects of construction in leaving the site as a finished / complete product.

Site Preparation

Site preparation activities will include but are not limited to:

- Install Temporary BMPs per the Contract Documents and Plans.
- Pre-Grade inspection
- Utility location (Underground Service Alert)
- Install traffic control systems
- Clear & grub for drainage systems (channels, basins, etc.)
- Sawcut asphalt concrete (AC) for pipe crossings, if appropriate
- Remove AC
- Remove and replace culverts, if appropriate

Install, construct, excavate

- Construct basin(s) and channel(s) – Construct an approximate half acre wetland basin with an excavation of approximately 20,000 cubic feet of soil that ties into existing grade of upstream constructed perforated pipe network. Small channel lengths to be constructed to include tie-ins to basins and existing structures.
- Complete culvert construction and asphalt paving – Install approximately 4,500 linear feet of perforated plastic pipe to allow for infiltration and conveyance to constructed wetland. Approximately 25 ton of hot mix asphalt for tie-in patch to existing road
- Place and compact shoulders along new edge of pavement areas – 4,500 linear feet
- Clean drainage structures and site
- Begin revegetation for disturbed areas, channels and basins
- Clean job site
- Remove temporary BMPs as necessary
- Substantial Inspection – punch list items complete
- Final Inspection – Contract Acceptance

Deliverables:

- Photographic Documentation of Progress

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Implementing Agency: County of El Dorado, Department of Transportation

| BUDGET CATEGORY | Start Date | End Date |
|---|-------------------|-----------------|
| a Project Administration | 11/01/2019 | 06/01/2022 |
| b Land Purchase / Easement | 01/01/2020 | 08/01/2020 |
| c Planning / Design / Engineering / Environmental Documentation | 12/01/2019 | 04/30/2021 |
| d Construction / Implementation | 05/01/2021 | 10/31/2021 |