

**Appendix F
Mitigated Monitoring Program**

Mitigation Monitoring Program

**North Auburn Highway 49
Transmission Main Project**

**Prepared by:
Mead & Hunt, Inc.**

**Prepared for:
Nevada Irrigation District**

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1. Introduction

A. Purpose of the Mitigation Monitoring Program

Assembly Bill 3180, passed by the California Legislature in the 1987-1988 session, added Section 21081.6 to the California Public Resources Code as follows:

A public agency shall adopt a reporting or monitoring program for the changes to the project which it has adopted or made a condition of project approval in order to mitigate or avoid significant effects on the environment. This mitigation monitoring program applies to mitigation measures adopted as part of EIRs or negative declarations. Mitigation monitoring is required on all projects after December 31, 1988.

The purpose of this Mitigation Monitoring Program (Program) is to ensure that the mitigation measures included in the Initial Study/Mitigated Negative Declaration (IS/MND) for the Nevada Irrigation District's (District) North Auburn Highway 49 Transmission Main Project (State Clearinghouse # _____) are implemented.

B. Description of Project

The proposed project would entail: The proposed new water transmission main will provide an inter-tie between several of the District's existing water distribution system loops to provide the desired flow capacity improvements. The project includes the construction of approximately 4,350 feet of new 16-inch water transmission pipeline along Highway 49 north of the city of Auburn in Placer County, California. The project consists of three separate reaches as further described below.

Reach 1

Reach 1 consists of approximately 1,150 feet of 16-inch nominal inside diameter pipeline connecting to an existing pipeline located near Locksley Lane and Highway 49, extending west across Highway 49 and continuing south along the west side of Highway 49. Reach 1 terminates at an existing pipeline near the intersection of Quartz Drive and Highway 49. Reach 1 also crosses Rock Creek within the Caltrans right-of-way. The proposed method for crossing Rock Creek is with a directional drill/bore.

Reach 2

Reach 2 consists of approximately 3,200 feet of new 16-inch nominal inside diameter pipeline that begins just north of Education Street on the west side of Highway 49 and ends at Cottage Drive where the pipeline will tie into the existing 12-inch pipeline that crosses Highway 49 at Cottage Drive.

System Tie-Ins

Reach 1 of the new pipeline would require two connections to the District's existing system, one to an existing 16-inch water main at Locksley Lane at the northern extent of the new pipeline and a second connection to an existing ten-inch water main near Quartz Drive on the west side of Highway 49.

Reach 2 would require one connection at the southern end of an existing ten-inch water main just north of

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Education Street and would then tie into the existing 12-inch water main system near Cottage Drive on the west side of Highway 49. There are no lateral ties off of the proposed pipeline.

C. Organization and Format

This Program describes the requirements and procedures to be followed to ensure that all mitigation measures adopted as part of this project will be implemented as described in the IS/MND and adopted by the District.

This Mitigation Monitoring Program contains the following sections:

- **Section 2** - Inventory of Mitigation Measures. This section contains a list of all mitigation measures included in the IS/MND as adopted by the District in numerical order.
- **Section 3** - Implementation Schedule and Monitoring Checklist. This section contains a summary description of the required mitigation measures in checklist format. The timing of implementation of mitigation measures is indicated, in addition to implementation and monitoring responsibility.
- **Section 4** - Verification Record Sheets. Verification record sheets may be maintained for each mitigation measure by the entity responsible for monitoring the mitigation (e.g., District staff, delegated authority, hired consultant).

D. Implementation of the Mitigation Monitoring Program

The District Chief Engineer shall assign staff to manage the North Auburn Highway 49 Transmission Main Project Mitigation Monitoring Program under the District's responsibility.

Responsible staff shall have overall responsibility for ensuring implementation of measures under their jurisdiction and verification of such measures. Responsible staff may delegate duties and responsibilities to other District staff, state regulatory agencies, consultants, the project sponsor, or other authorities as necessary and appropriate.

E. Documentation

1. Implementation Schedule and Monitoring Checklist

Section 3 contains a mitigation measure implementation schedule and monitoring checklist. Responsible District staff may use the checklist as a summary of the measures to be implemented and the entities responsible for mitigation implementation and monitoring and to check off mitigation implementation as it is completed.

2. Verification Checklist

A verification checklist may be maintained for each mitigation measure by the entity responsible for monitoring the mitigation (e.g., the District, delegated authority, hired consultant). The

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verification checklist should be prepared and reviewed periodically, as directed by responsible staff.

Copies of the verification checklist should be submitted to the responsible staff and filed in the project file available for public review.

Responsible staff should ensure that verification checklists are filed on a timely basis and, when identified, that mitigation monitoring plan violations are reported to the District Chief Engineer. The appropriate District staff or responsible staff should initiate any appropriate action necessary to correct the deficiency, including, but not necessarily limited to, holding a meeting with the applicant or requesting legal, county, or regulatory agency action.

3. Monitoring Reports

Responsible staff should prepare annual environmental monitoring reports summarizing the results of the Program. The report may be based on the verification record sheets and information received from any person or agency regarding compliance. The monitoring report should include at least the following items:

- Summary of verification checklists;
- Analysis of deficiencies and actions taken to correct them, and;
- Recommendations for future mitigation measures and other corrective actions needed.

2. Inventory of Mitigation Measures

This section contains all of the required mitigation measures identified in the IS/MND for the North Auburn Highway 49 Transmission Main Project. The mitigation measures are listed in numerical order. The corresponding section in the Environmental Checklist is indicated in parentheses.

Mitigation Measure 1 (Aesthetics)

During construction, Construction Contractor shall aim the night lighting in such a manner as to minimize effects to any residences and businesses in the area. The lighting will be used during nighttime construction only and will be temporary.

Mitigation Measure 2 (Biological Resources)

Following construction of the Rock Creek Crossing, the Construction Contractor shall reseed disturbed areas to minimize potential vegetative impacts due to clearing during construction.

Mitigation Measure 3 (Hazards and Hazardous Materials)

Prior to the initiation of construction operations, the District's Consultant will prepare an "Asbestos Dust Mitigation Plan" for approval by the Placer County Air Pollution Control District (PCAPCD). Once approved by the PCAPCD, the District's Construction Contractor will implement the approved plan during all construction activities.

Mitigation Measure 4 (Hydrology and Water Quality)

The Contractor shall develop and implement a SWPPP that includes BMPs to avoid significant adverse erosion and sedimentation related environmental impacts from construction activities associated with pipeline construction. The SWPPP shall include an ESCP. Both the SWPPP and ESCP shall include BMPs to minimize the potential for sediment discharge into the waterways. Any additional measures specified by the applicable permits required for construction of the pipeline would also be implemented to minimize soil erosion, stream sedimentation, habitat alteration, and the potential for chemical contamination of creek waters.

3. Implementation Schedule and Checklist

This section contains an abbreviated description of each mitigation measure presented in tabular, checklist format. A complete description of each measure is contained in the preceding Chapter 2, Inventory of Mitigation Measures, contained within this document.

The mitigation measures to be implemented by the project applicant(s) and successor's in interest are separated into the following phases:

- Prior to Construction.
- During Construction.
- Ongoing Operations.

A summary of the checklist is presented below. Some measures have components that are to be implemented during several project phases. These measures are noted in each category.

Timing of Implementation of Measure	Mitigation Measure Number
Prior to Construction	3 and 4
During Construction	1 and 2
Ongoing Operations	N/A

4. Verification Records

Verification record sheets enclosed herein shall be maintained for each mitigation measure during implementation. Monitoring responsibility, timing of verifications, and implementation responsibility are specified in the enclosed verification record forms.

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Verification Record

North Auburn Highway 49 Transmission Main Project
Mitigation Monitoring Program

Monitoring Responsibility:	Nevada Irrigation District
Timing of Verification:	During Construction
Implementation Responsibility:	Construction Contractor

Issue Area: Aesthetics

Mitigation Measure -1:

During construction, the Construction Contractor shall aim the night lighting in such a manner as to minimize effects to any residences and businesses in the area. The lighting will be used during nighttime construction only and will be temporary.

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Mitigation Measure 1:

During construction, the Construction Contractor shall aim the night lighting in such a manner as to minimize effects to any residences and businesses in the area. The lighting will be used during nighttime construction only and will be temporary.

Monitoring:

Date: _____ Time: _____ Monitor: _____

Compliance: _____ Acceptable _____ Unacceptable
_____ remedial action taken
_____ require work stop
_____ follow-up required

Observations:

Recommendations:

Receipt by Program Manager:

Date: _____ Time: _____ Monitor: _____

Comments/Actions:

Entered into Monitoring File:

Date: _____ By: _____

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Verification Record

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Monitoring Responsibility:	Nevada Irrigation District
Timing of Verification:	During Construction
Implementation Responsibility:	Construction Contractor

Issue Area: Biological Resources

Mitigation Measure -2:

Following construction of the Rock Creek Crossing, the Construction Contractor shall reseed disturbed areas to minimize potential vegetative impacts due to clearing during construction.

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Verification Record

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Mitigation Measure 2:

Following construction of the Rock Creek Crossing, the Construction Contractor shall reseed disturbed areas to minimize potential vegetative impacts due to clearing during construction.

Monitoring:

Date: _____ Time: _____ Monitor: _____

Compliance: _____ Acceptable _____ Unacceptable
_____ remedial action taken
_____ require work stop
_____ follow-up required

Observations:

Recommendations:

Receipt by Program Manager:

Date: _____ Time: _____ Monitor: _____

Comments/Actions:

Entered into Monitoring File:

Date: _____ By: _____

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Verification Record

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Monitoring Responsibility:	Nevada Irrigation District
Timing of Verification:	Prior to Construction
Implementation Responsibility:	Final Design Engineer

Issue Area: Hazards and Hazardous Materials

Mitigation Measure -3:

Prior to the initiation of construction operations, the District's Consultant will prepare an "Asbestos Dust Mitigation Plan" for approval by the Placer County Air Pollution Control District. Once approved by the PCAPCD, the District's Construction Contractor will implement the approved plan during all construction activities.

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Verification Record

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Monitoring Responsibility:	Nevada Irrigation District
Timing of Verification:	During Construction
Implementation Responsibility:	Construction Contractor

Issue Area: Hydrology and Water Quality

Mitigation Measure -4:

The Contractor shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP) that includes Best Management Practices (BMPs) to avoid significant adverse erosion and sedimentation related environmental impacts from construction activities associated with pipeline construction. The SWPPP shall include an Erosion and Sediment Control Plan (ESCP). Both the SWPPP and ESCP shall include BMPs to minimize the potential for sediment discharge into the waterways. Any additional measures specified by the applicable permits required for construction of the pipeline would also be implemented to minimize soil erosion, stream sedimentation, habitat alteration, and the potential for chemical contamination of creek waters.

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Mitigation Measure 4:

The Contractor shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP) that includes Best Management Practices (BMPs) to avoid significant adverse erosion and sedimentation related environmental impacts from construction activities associated with pipeline construction. The SWPPP shall include an Erosion and Sediment Control Plan (ESCP). Both the SWPPP and ESCP shall include BMPs to minimize the potential for sediment discharge into the waterways. Any additional measures specified by the applicable permits required for construction of the pipeline would also be implemented to minimize soil erosion, stream sedimentation, habitat alteration, and the potential for chemical contamination of creek waters.

Monitoring:

Date: _____ Time: _____ Monitor: _____

Compliance: _____ Acceptable _____ Unacceptable
_____ remedial action taken
_____ require work stop
_____ follow-up required

Observations:

Recommendations:

Receipt by Program Manager:

Date: _____ Time: _____ Monitor: _____

Comments/Actions:

Entered into Monitoring File:

Date: _____ By: _____
