



REQUEST FOR QUALIFICATIONS

CONSTRUCTION MANAGEMENT SERVICES

VENTURA-SANTA BARBARA COUNTIES INTERTIE

MARCH 31, 2025

Statements of Qualification will be received at the office of the
Casitas Municipal Water District
1055 Ventura Avenue, Oak View, California 93022
until **Wednesday, May 14, 2025 @ 4:00 p.m.**

1 Table of Contents

1	Table of Contents	i
1.	Introduction	1
1.1	Project Background	1
1.2	Project Cost and Financing	6
1.3	Project Schedule	7
1.4	Environmental	7
1.5	Permits	7
1.5.1	National Pollutant Discharge Elimination System (NPDES)	7
1.5.2	SWRCB Waste Discharge Requirements for Discharges to Land with a Low Threat Water Quality (Order No. 2003-0003-DWQ)	7
1.5.3	Caltrans Encroachment Permit	8
1.5.4	Ventura County Oak Tree Permit	8
1.5.5	Santa Barbara County Oak Tree Permit	8
2.	Services to be Provided	8
3.	Pre-SOQ Meeting	9
4.	SOQ Submittal	9
5.	Special Conditions	10
6.	SOQ Content	10
7.	Evaluation Criteria	11
8.	Schedule	12
9.	Contact Information	12

Tables

- 1.1 Project Component Summary
- 1.2 Proposed Project Construction Schedule
- 5.1 Insurance Requirements for Consultant
- 7.1 Evaluation Criteria
- 8.1 SOQ Schedule

Figures

- 1.1 Casitas Municipal Water District Boundary

1.2 Project Vicinity

1.3 Project Components

Appendices

A – Representative 100% Design Drawings

B – IS/MND Mitigation Monitoring and Reporting Program

C – USBR BE Mitigation Measures

D – Standard Agreement for Professional Services



1. Introduction

Casitas Municipal Water District (Casitas or District) is requesting Statements of Qualifications (SOQ) from firms to provide Construction Management (CM) Services for the Ventura-Santa Barbara Counties Intertie project.

Casitas is a Municipal Water District established in 1952, providing potable water to western Ventura County including approximately 3,000 agricultural, commercial, and residential customer connections. The District boundaries (Figure 1.1) encompass the City of Ojai, Upper Ojai, the Ventura River Valley area, the City of Ventura (west of Mills Road), and the beach communities of Solimar, La Conchita, and Rincon.

Casitas operates the Robles Diversion Facility, Robles Canal, Lake Casitas, Casitas Dam (owned by the US Bureau of Reclamation), Lake Casitas Recreation Area, Casitas Water Treatment Plant, as well as 14 steel tanks totaling 30 million gallons of storage, nine pump stations, and approximately 170 miles of pipelines. Professional engineering services may be needed to support the implementation of capital projects at any of the District's facilities, with the exception of the Casitas Dam.

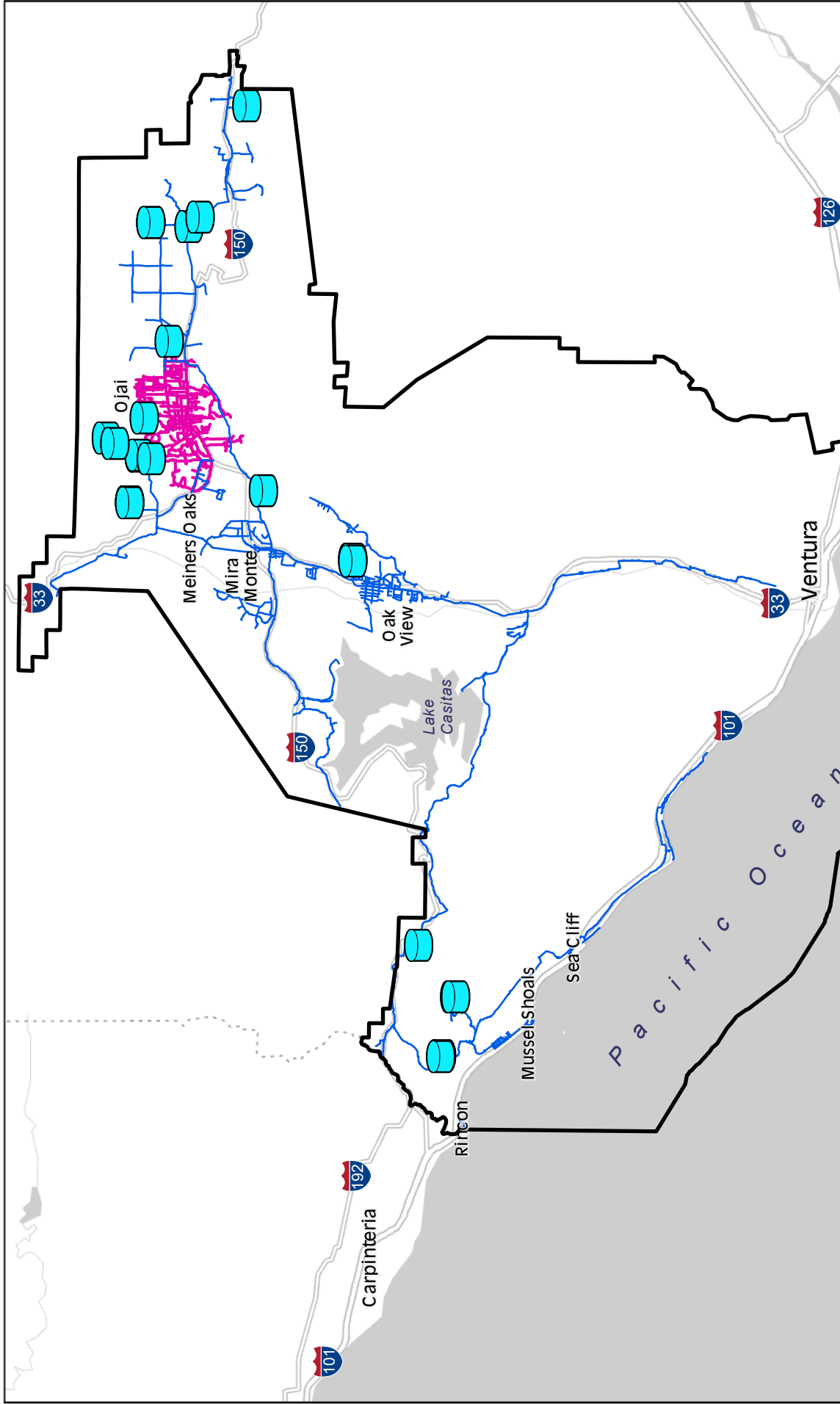
Casitas acquired the Ojai Water System in 2017. The Ojai Water System obtains its water supplies from local wells in the Ojai Valley Basin and from Casitas and serves approximately 2,950 additional customer connections. The Ojai Water System includes 32 miles of pipelines, five tanks totaling 1.544 million gallons of storage, five booster pump stations, five active groundwater wells, and an iron and manganese treatment facility.

1.1 Project Background

Casitas' water supplies are 100 percent local, consisting primarily of surface water stored in Lake Casitas and a smaller amount of groundwater. As such, its supplies are limited, and its system is highly vulnerable to drought conditions which are becoming more severe and prolonged. The Ventura-Santa Barbara Counties Intertie Project (Project) will connect the Casitas and Carpinteria Valley Water District (CVWD) water transmission systems. The Project is located in the unincorporated southwestern portion of Ventura County and the unincorporated southeastern portion of Santa Barbara County, California (Figure 1.2). The Project will provide Casitas with a means to access its allocation of State Water Project (SWP) water supply to supplement Casitas existing supplies during periods of drought or emergencies, resulting in a more resilient water supply portfolio.

Figure 1.3 shows the project components and Table 1.1 provides a summary, which includes the intertie pipeline, two booster pump stations, and infrastructure improvement sites. The intertie pipeline will be constructed between Casitas' transmission pipeline, known as the Rincon Main, and CVWD distribution line east of the City of Carpinteria. The pipeline will run eastward along State Route (SR) 192 and in private easements. A portion of the pipeline will be constructed using horizontal directional drilling (HDD).

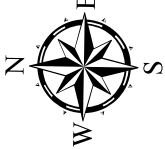
The western portion of the Project includes the pipeline, Del Mar Pump Plant, connection to the Rincon Main, and reinforcement of approximately 500 linear feet of the Rincon Main. The more easterly portion of the Project area includes the Red Mountain Pump Plant, improvements to existing Casitas facilities including Rincon Main Pipeline, Rincon Control Tank, Chlorination Station, and the Rincon Pump Station.



Legend

-  CMWD Jurisdiction
-  Tank
-  Casitas Water System Pipe
-  Ojai Water System Pipe

Figure 1.1
Ventura-Santa Barbara Counties Intertie
District Boundary







Miles
0 1 2 4

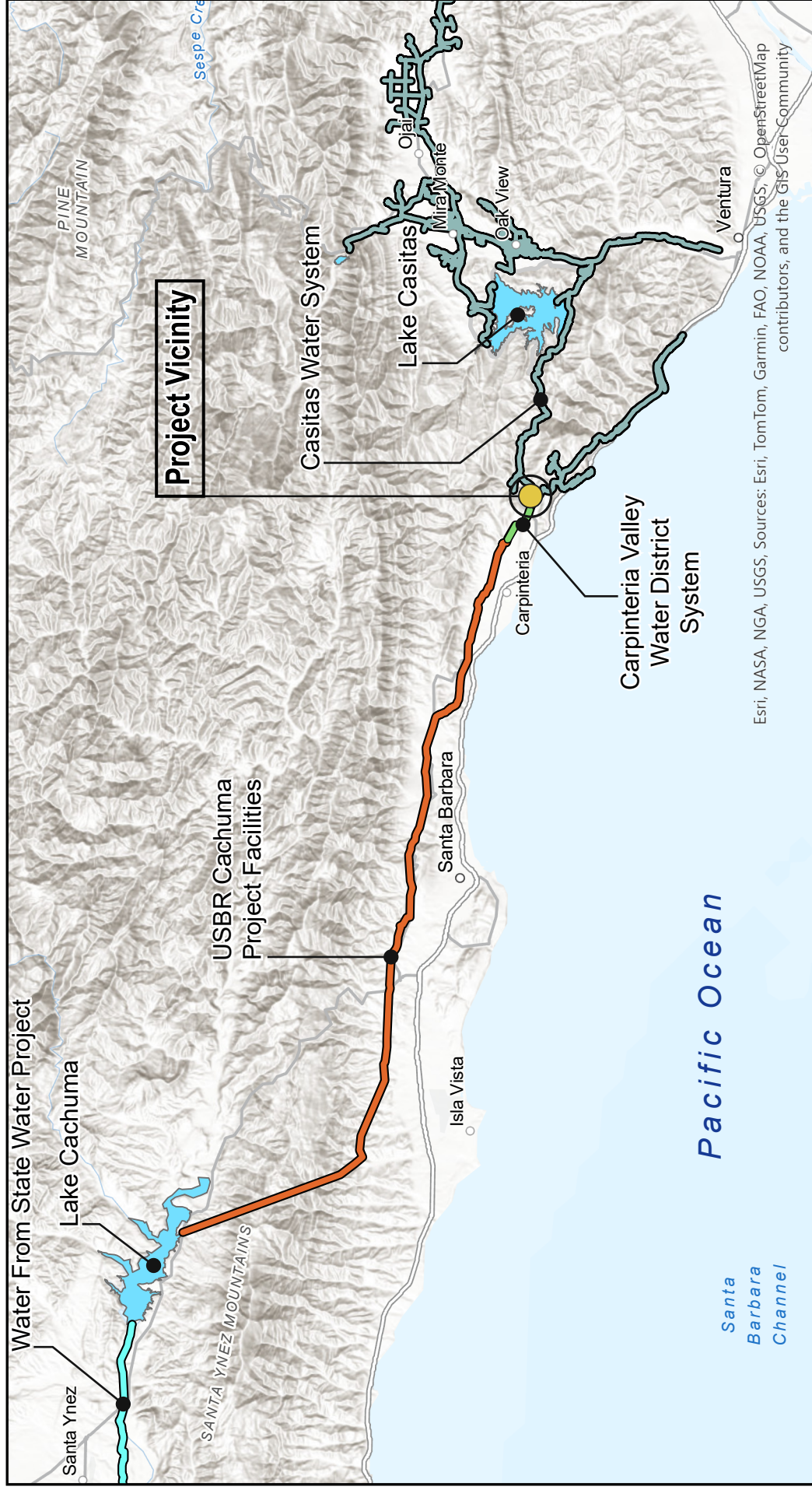


Figure 1.2
Ventura-Santa Barbara Counties Intertie
Project Vicinity



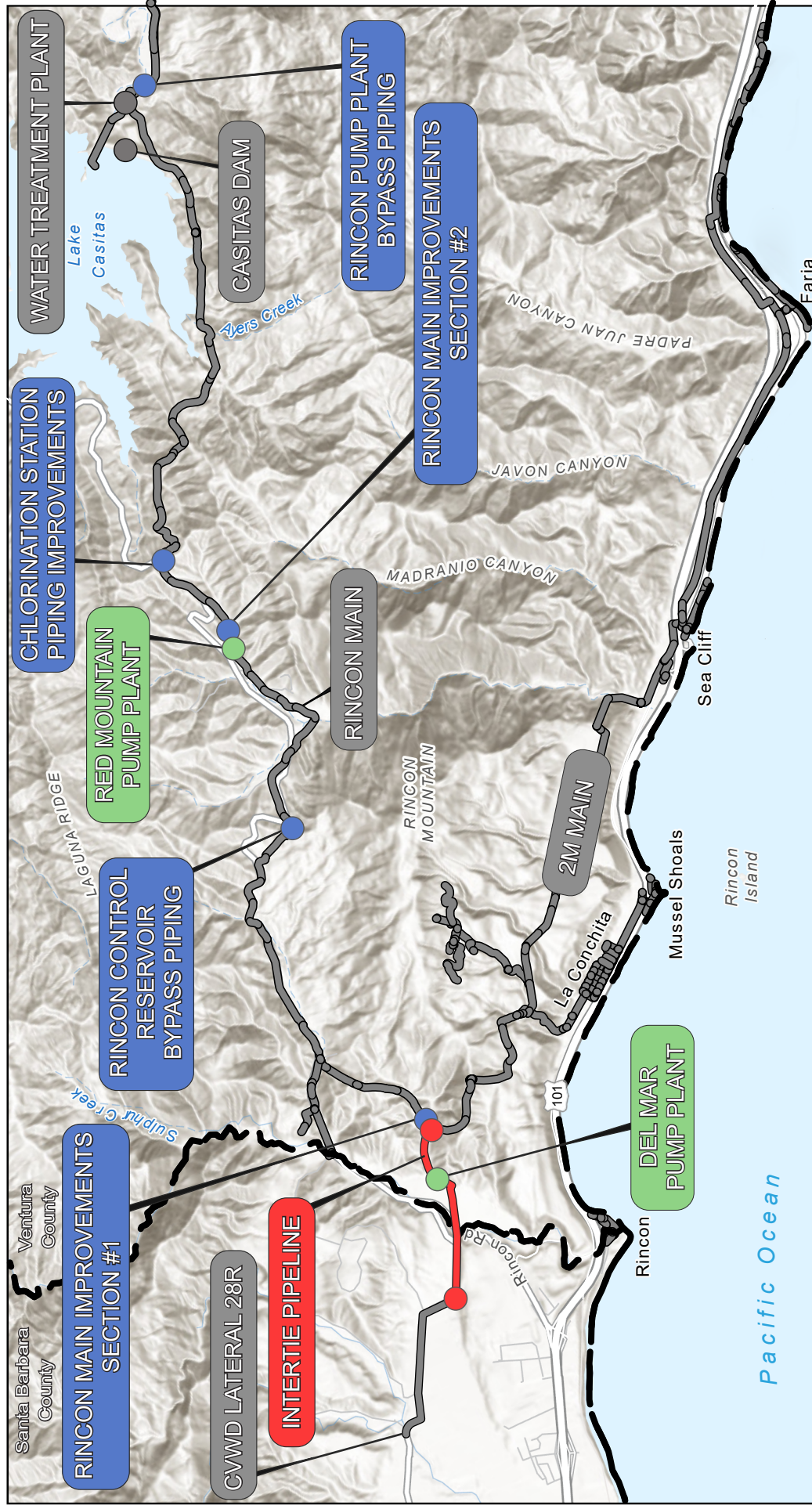







Figure 1.3

Ventura-Santa Barbara Counties Intertie Project Components

Legend

- Intertie Pipeline
- Pump Plant
- Pipe Improvements
- Existing



Table 1.1 Project Component Summary

Intertie Pipeline	
Components • 1,300 feet of open cut 16-inch cement mortar coated and lined (CMCL) steel pipeline • 7,200 feet of open cut 16-inch polyvinyl chloride (PVC) pipeline • 2,700 feet of HDD 20-inch high-density polyethylene (HDPE) pipeline • Connection to Casitas' Rincon Main	Special Considerations • Caltrans State Route 192 Encroachment permit • CVWD shutdown required for tie-in • Solar panel system for SCADA (at Rincon Main connection) • Casitas System shutdown required for tie-in to Rincon Main
Del Mar Pump Plant	
Components • Three 500 horsepower (hp) pumps • One 20 hp jockey pump • Two 3,000-gallon surge tanks and air compressor • Concrete masonry unit (CMU) building with air conditioning • Liquid chlorine and ammonia storage • Electrical transformer, switchgear, motor control center (MCCs) and variable frequency drives (VFDs) • SCADA communication • Relocation of customer service lines and meters	Special Considerations • Use of site as detention basin for testing discharge water and, if necessary, groundwater encountered during construction • Coordination with Southern California Edison • Maintaining access for property owners/agricultural operations
Red Mountain Pump Plant	
Components • Three 150 hp pumps • Canopy over pumps • Electrical building • Electrical transformer, switchgear, MCCs, and VFDs	Special Considerations • Retaining wall • Casitas System shutdown required for tie-in to Rincon Main • Proximity to water channel (tributary to Casitas Creek) • Oak tree removal



Table 1.1 Project Component Summary

Rincon Main Improvements	
Components	Special Considerations
• Section 1 – 600 feet of fiber reinforced plastic (FRP) wrap on discharge side of Del Mar Pump Plant • Section 2 – 210 feet of FRP wrap on discharge side of Red Mountain Pump Plant	• Removal of avocado trees • Proximity to residents • Pipeline must stay in service during wrapping
Bypass Piping Improvements	
Components	Special Considerations
• Rincon Control Reservoir Bypass Piping • Chlorine Station Bypass Piping • Rincon Pump Plant Bypass Piping	• Maintaining access for property owners/agricultural operations • Casitas System shutdowns for multiple tie-ins, including one to the 12-foot diameter contactor pipe

The project will be bid as one comprehensive project to a Class A General Engineering Contractor, likely with specialty subcontractors. Casitas anticipates construction activities will be occurring simultaneously at more than one site in order to meet the construction funding timeline. Construction will be limited to weekdays, daylight hours only, except for the nonstop, 48 hours during horizontal directional drilling (HDD). Multiple system shutdowns will be needed to connect new facilities to existing ones, requiring coordination with Casitas' operations staff, customers, and the contractor.

Casitas engaged two engineering firms to expedite the design. The project was split into Schedule "A" prepared by Water Works Engineers and Schedule "B" prepared by Cannon. Representative drawings for each Schedule are provided as Appendix A. Casitas expects to engage these firms to provide engineering services during construction for their respective portions. Design is at 100% complete and Casitas is preparing front-end documents to compile the Bid Package.

1.2 Project Cost and Financing

The engineering firms provided their Opinion of Probable Construction Cost (OPCC) with their 100% design submittal. The OPCC for Schedule "A" is \$15,700,000 and Schedule "B" is \$7,682,700, for a total of \$23,382,700.

Casitas has arranged financing for the project as follows:

- United States Bureau of Reclamation Water SMART grant (received)
- California Department of Water Resources Proposition 1 Round 2 Integrated Regional Water Management Program grant (received)
- California Drinking Water State Revolving Fund Additional Supplemental Appropriations for Disaster Relief Act (ASADRA) grant and loan (approved, agreement pending)

Build America Buy America requirements apply to the ASADRA funding and the Construction Manager



is expected to be familiar with, and ensure the Contractor is in compliance with, these requirements.

1.3 Project Schedule

The proposed project construction schedule is shown in Table 1.2. Construction completion is driven by the ASADRA Program deadlines. Casitas intends to apply for a time extension.

Table 1.2 Proposed Project Construction Schedule

Description	Date
Release Notice Inviting Bids	September 2, 2025
Mandatory Pre-Bid Meeting	September 17, 2025
Questions Due	October 3, 2025
Addendum Issued	October 10, 2025
Bids Due	October 22, 2025
Board Award Contract	November 12, 2025
Notice to Proceed	December 1, 2025
Construction Completion Date (per ASADRA)	December 31, 2026

1.4 Environmental

In compliance with the California Environmental Quality Act (CEQA), an Initial Study/Mitigated Negative Declaration (IS/MND) was adopted for the project in May 2023. The IS/MND Mitigation Monitoring and Reporting Program is provided as Appendix B. The US Bureau of Reclamation (USBR) is the lead agency for compliance with the National Environmental Protection Act (NEPA). The Biological Evaluation (BE) was completed in March 2025 and is undergoing review by US Fish and Wildlife Service. BE Mitigation Measures are provided as Appendix C. Casitas intends to directly engage with an environmental firm to provide monitoring services during construction.

1.5 Permits

The CM will be responsible for ensuring the Contractor is in compliance with all permits. The permits required for this project are described in the following subsections.

1.5.1 National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities (Order WQ 2022-0057-DWQ)

Casitas has applied to the State Water Resources Control Board (SWRCB) for coverage under the NPDES 2022 Construction Stormwater General Permit for the project. A Draft Stormwater Pollution Prevention Plan (SWPPP) was prepared by Rincon Consultants and will be submitted to the SWRCB SMARTS portal when complete. The CM must have a Qualified SWPPP Practitioner on staff to monitor compliance with the approved SWPPP.

1.5.2 SWRCB Waste Discharge Requirements for Discharges to Land with a Low Threat Water Quality (Order No. 2003-0003-DWQ)

Casitas has applied for a permit under SWRCB Waste Discharge Requirements (WDR) for Discharges to Land with a Low Threat Water Quality (Order No. 2003-0003-DWQ) for one-time discharges of water



during pipeline construction and testing. Water will be discharged to a temporary detention basin at the Del Mar Pump Plant site, and to the ground surface at several sites along the Rincon Main pipeline alignment.

1.5.3 Caltrans Encroachment Permit

A Caltrans Encroachment Permit is required for construction in Highway 192, the Santa Barbara County portion of the pipeline. Casitas has applied for the permit and provided the required Traffic Management Plan and Traffic Control Plans.

1.5.4 Ventura County Oak Tree Permit

Construction of the project will require trimming and removal of oak trees within the County of Ventura's jurisdiction.

1.5.5 Santa Barbara County Oak Tree Permit

Construction of the project will require installation of the pipeline within the dripline of oak trees within the County of Santa Barbara's jurisdiction.

2. Services to be Provided

Casitas is seeking Statements of Qualification (SOQs) for CM services for the entirety of the Project. CM Services expected to be provided include:

- Contract Administration including daily management of the Project and Contactor progress, preparing agendas and minutes for all construction meetings and presiding over each meeting, providing effective written and oral communication to Contractor and other stakeholders in a timely, clear, and professional manner.
- Stakeholder coordination (Casitas' Engineering and Operations staff, Contractor, CVWD, Design Engineers, Regulatory Agencies, Environmental Consultant, Testing Laboratories, private property owners)
- Safety Management for CM staff, understanding the Contractor is responsible for their safety program and compliance
- Constructability Review during construction related to RFIs, Change Orders, etc.
- Establish an online Document Control System (Submittals, Requests for Clarification, Requests for Information, Change Order Requests, Progress Pay Estimates, As-Built Drawings) which may include use of specialty project management software (at CM's expense) and training of District staff in the use thereof
- Review Contractor's required management plans including, but not limited to:
 - Emergency Response Plan
 - Construction Noise Reduction Plan
 - Utility Shutdown Plan(s)
 - Pipeline Disinfection, Testing, and Inspection Plan
 - HDD Inadvertent Return ("Frac Out") Contingency Plan



- Quality Assurance and Quality Control of CM deliverables to stakeholders
- Critical review and feedback on Contractor's submitted schedule(s)
- Confirmation of Contractor's compliance with California labor laws
- Coordination with the District's environmental consultant to comply with CEQA and NEPA environmental mitigation measures
- Permit Oversight for compliance with all permit requirements from agencies having jurisdiction
- Full-time Construction Inspection of all components, including specialty inspections as necessary for electrical, structural, and HDD.
- Preparation of Daily Inspection Reports including photographs
- Supporting Grant Reporting for work accomplished on a quarterly or semi-annual basis per grant requirements
- Materials testing as needed (compaction, concrete, etc.)

The District intends to select a firm to manage construction and inspection throughout the duration of the project to ensure construction activities are well coordinated, meet the requirements of the plans and specifications, meet regulatory requirements, and proceed on schedule and within budget. The lead personnel (at a minimum, the Construction Manager and Inspector) are expected to be full-time on this project and unavailable to work on other projects.

3. Pre-SOQ Meeting

An optional pre-SOQ meeting will be held on April 16, 2025, at 11:00 a.m. at the District office. Please contact Julia Aranda, PE, Engineering Manager, at jaranda@casitaswater.com or 805.649.2251, Ext. 107 with any questions. Neither an online meeting nor site visits will be conducted.

4. SOQ Submittal

Submit five identical copies of the SOQ in hardcopy and email a searchable, bookmarked PDF to:

Julia Aranda, PE, Engineering Manager
Casitas Municipal Water District
1055 Ventura Avenue, Oak View, California 93022
jaranda@casitaswater.com

SOQs will be accepted until **Wednesday, May 14, 2025, at 4:00 p.m.** No SOQs will be accepted after this date and time. SOQs shall be limited to 30 pages, not including cover, table of contents, and dividers. Double-sided to the greatest extent practical is appreciated.

It is the consultant's responsibility to ensure SOQs are received prior to the deadline. SOQs shall include signed acknowledgement of Addenda which may be issued as part of this RFQ. Addenda will be posted on the District's website at: <https://www.casitaswater.org/i-want-to/do-business-with-cmwd>.



There will be no formal opening of the received SOQs. This solicitation does not commit the District to award any work nor to pay any costs incurred from the preparation of SOQs. Firms responding to this RFQ are solely responsible for all costs and expenses incurred during the selection process.

5. Special Conditions

The selected firm(s) will provide all equipment, personnel, mobilization, analysis, administration, and other work necessary to perform professional CM services. The selected firm(s) will acquire and schedule all materials, labor, equipment, and all other efforts required to complete each assigned project.

All projects are recognized as public works projects and as such, Articles 1 and 2 of Chapter 1, Part 7, Division II of the California Labor Code, including Sections 1720 through 1861 are applicable to this project. Said sections require the use of prevailing wages for each craft or classification necessary to do the work. The Consultant may be required to submit to the District all certified payrolls.

All work shall be performed in conformance with general industry safety orders of the State of California, Title 8 of Chapter 7, and safety standards set forth by the Occupational Safety and Health Agency (OSHA).

Professional engineering, if any, shall be completed under the direction of persons licensed to perform such work in the State of California.

Insurance requirements for Consultant and subconsultant(s) shall be as shown in Table 5.1. More information can be found in Section 13 of the Agreement for Professional Services provided as Appendix D.

Table 5.1 Insurance Requirements for Consultant

Description	Coverage
General Liability	\$2,000,000 per occurrence or the full per occurrence limits of the policies available, whichever is greater
Comprehensive Automobile Liability	\$1,000,000 for bodily injury and property damage, each occurrence
Worker's Compensation	Per applicable State and Federal laws
Professional Liability	No less than \$2,000,000 per occurrence or claim and \$2,000,000 policy aggregate

Description	Coverage
General Liability	\$2,000,000 per occurrence or the full per occurrence limits of the policies available, whichever is greater
Comprehensive Automobile Liability	\$1,000,000 for bodily injury and property damage, each occurrence
Worker's Compensation	Per applicable State and Federal laws
Professional Liability	No less than \$2,000,000 per occurrence or claim and \$2,000,000 policy aggregate

6. SOQ Content

Firms submitting an SOQ need not provide any general information about the firm, but only their qualifications to specifically address the needs of this project. The SOQ shall not contain any information on personnel other than those who are actually going to be performing the work and are considered key technical resources for the project. The SOQ should contain the following elements:

Cover Letter. Provide a cover letter summarizing the firm and team qualifications. Include contact information for the Project Manager and person with signing authority.



Project Understanding and Approach.

- Provide a description of the Firm's project understanding and approach to completing project delivery efficiently and effectively.
- Describe the team's familiarity with State and Federal grant compliance and reporting requirements.
- Provide the Consultant's approach to managing the Project given the compressed project schedule and potential for work to be underway at multiple sites.
- Include a discussion of special problems or difficulties encountered from a recent, similar project and how they were resolved by the firm.
- Describe tools used to organize and coordinate documents and communications during construction. Include a description of the features and capabilities of the proposed project management software.
- Describe the Consultant's approach to change and conflict management during construction.

Project Team. Provide an organizational chart with key technical lead(s) and support team members including subconsultant(s). Include brief biographies for each key team member including their specific license(s), certification(s), role, title, and office location. Resumes may be included as an Appendix, provided the SOQ remains within the prescribed page limit.

Experience. Include project experience with water facilities similar to the Project described herein. Submit a listing of three to five references with names and phone numbers for public agencies for which the firm has performed similar services over the past five years. The representative experience should include the personnel considered the primary technical lead(s) for these services, particularly projects on which the proposed project team has worked together.

Conflicts. The firm shall identify any conflicts which they believe could affect their ability to perform work in a timely fashion over the duration of the contract.

Contract. It is expected the selected firm(s) will sign a contract with Casitas to perform the work. The Consultant may request modifications to the terms and conditions of the Agreement for Professional Services (Appendix D) but should not expect these will be accepted. The Agreement includes Required Clauses for Federally Funded Projects as the District is seeking state and federal grants and/or loans to implement the Project. These clauses will not be modified.

Additional Comments. Provide any comments, suggestions, or additions for the District to consider in selecting the firm. Identify the potential benefit, value, or impact these may have on Casitas.

7. Evaluation Criteria

SOQs will be evaluated by Casitas Engineering, Operations, and Management staff. Table 7.1 describes the evaluation criteria for SOQs and their weight.

Table 7.1 Evaluation Criteria

Description	Weight %
Approach to Organizing, Coordinating, and Managing	30
Understanding of Work to be Done	30
Relevant Project Experience of Individuals and Team	25



Table 7.1 Evaluation Criteria

Description	Weight %
Approach to Change/Conflict Resolution	10
Familiarity with Grant Requirements and Reporting	5
Total	100

Casitas may also contact the Consultant's and/or subconsultants' references and consider their feedback in the evaluation. The District will review the SOQs using the preceding criteria and may select the top no more than 3 firms for interviews. Casitas will then request a fee proposal from the highest-ranking firm(s).

8. Schedule

Tentative milestones for the SOQ process are shown below. The District reserves the right to modify the schedule below at its discretion and use appropriate notification to inform potential respondents of any schedule changes.

Table 8.1 SOQ Schedule

Description	Date
Release SOQ	March 31, 2025
Optional Pre-SOQ Meeting	April 16, 2025, at 11:00 a.m.
Deadline for Questions	April 30, 2025
SOQ Due Date	May 14, 2025, at 4:00 p.m.
Interviews (if needed)	June 5, 2025
RFP Released	June 12, 2025
Proposal Due from Selected Firm(s)	July 23, 2025
Board Authorize Agreement	August 27, 2025

9. Contact Information

All questions regarding this SOQ must be directed in writing prior to the deadline in Section 8 to:

Julia Aranda, PE, Engineering Manager
jaranda@casitaswater.com
1055 Ventura Avenue Oak View CA 93022

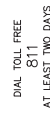


Appendix A

Representative 100% Design Drawings



JANUARY 2025

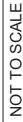


Know what's **below.**
Call before you dig.



Know what's **below**.
Call before you dig.

UNIVERSITY OF SOUTHERN CALIFORNIA



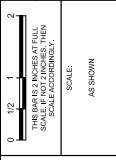
PLANS MUST BE PRINTED AND
VIEWED IN COLOR FOR CLARITY



REV			DATE	BY	DESCRIPTION	 CASITAS Municipal Water District	 WATERWORKS ENGINEERS			CASITAS MUNICIPAL WATER DISTRICT VENTURA - SANTA BARBARA COUNTIES INTERTE: IBS SCHEDULE "A"	COVER SHEET	PROJECT NUMBER 22-451 DRAWING NUMBER G-001 SHEET NUMBER 1 OF 135	
DESIGNED: P. WEBSTER					DATE 01/09/2025								
DRAWN: M. TRUITT													
CHECKED: T. LEWIS													
QA/QC: T. DURBIN													
PROJECT MANAGER: R. C. LEWIS					PROJECT NUMBER: WMP PROJECT NO. 19-018								
CONTRACT NUMBER: 14-001					CONTRACT # 14-001								
DATE:					01/09/2025								
SEE PLAN					SCALE:								

DRAWING INDEX

SHEET NUMBER	DISCIPLINE/ DRAWING NUMBER	TITLE	SHEET NUMBER	DISCIPLINE/ DRAWING NUMBER	TITLE
1	GENERAL	COVER SHEET	69	SSD-004	STRUCTURAL STANDARD DETAILS
2	G-001	GENERAL ABBREVIATIONS	70	SSD-005	STRUCTURAL STANDARD DETAILS
3	G-003	GENERAL DESIGNATIONS		MECHANICAL	
4	G-004	PIPE & EQUIPMENT SCHEDULES	71	20-M-001	MECHANICAL LEGEND
5	G-005	VALVE SCHEDULES 1	72	20-M-002	PROCESS FLOW DIAGRAM
6	G-006	VALVE SCHEDULES 2	73	20-M-003	PROCESS FLOW DIAGRAM
7	G-007	HYDRAULIC BASIS OF DESIGN INFORMATION	74	20-M-004	PARTIAL PLAN
8	G-008		75	20-M-102	BUILDING PARTIAL PLAN AND SECTIONS
	DEMOLITION		76	20-M-103	BUILDING PARTIAL PLAN AND SECTIONS
9	20-D-101	DEMOLITION PLAN	77	20-M-104	BUILDING SECTIONS
	CIVIL		78	20-M-110	BUILDING SECTIONS
10	C-001	CIVIL LEGEND	79	20-M-111	BUILDING SECTIONS
11	C-002	HORIZONTAL CONTROL	80	20-M-112	BUILDING SECTIONS
12	C-003	OVERVIEW AND KEY MAP	81	20-M-113	BUILDING SECTIONS
13	C-004	SITE PLAN	82	20-M-201	SURGE TANKS PLAN
14	20-C-100	GRADING PLAN	83	20-M-202	SURGE TANKS PLAN
15	20-C-101	GRADING POINT TABLES	84	20-M-281	SURGE TANKS ISOMETRIC
16	20-C-102	YARD PIPING PLAN	85	MSD-001	MECHANICAL STANDARD DETAILS
17	20-C-103	SECTIONS	86	MSD-002	MECHANICAL STANDARD DETAILS
18	20-C-104	DEL MAR RANCH ACCESS ROAD IMPROVEMENTS	87	MSD-003	MECHANICAL STANDARD DETAILS
19	20-C-105	DEL MAR RANCH ACCESS ROAD IMPROVEMENTS		HVAC	
20	20-C-106	DEL MAR RANCH ACCESS ROAD IMPROVEMENTS	88	H-001	HVAC LEGEND AND NOTES
21	CSD-001	CIVIL STANDARD DETAILS	89	H-002	HVAC SCHEDULES
22	CSD-002	CIVIL STANDARD DETAILS	90	20-H-101	BUILDING HVAC SECTION
23	CSD-003	CIVIL STANDARD DETAILS	91	20-H-102	BUILDING HVAC SECTION
24	CSD-004	CIVIL STANDARD DETAILS	92	20-H-103	BUILDING HVAC SECTION
	PLAN AND PROFILES		93	HSD-001	HVAC STANDARD DETAILS
25	5-PP-001	PLAN AND PROFILE BEG TO STA 13+25		ELECTRICAL	
26	5-PP-002	PLAN AND PROFILE STA 13+25 TO STA 17+75	94	20-E-001	ELECTRICAL SYMBOLS AND ABBREVIATIONS
27	5-PP-003	PLAN AND PROFILE STA 17+75 TO STA 21+75	95	20-E-002	ELECTRICAL METERMAIN SWITCHBOARD ONE-LINE AND ELEVATION
28	5-PP-004	PLAN AND PROFILE STA 21+75 TO STA 26+75	96	20-E-003	ELECTRICAL ATS AND DISTRIBUTION ONE-LINE AND ELEVATION
29	5-PP-005	PLAN AND PROFILE STA 26+75 TO STA 31+25	97	20-E-004	JOCKEY PUMP ELEMENTARY DIAGRAM AND ELEVATION
30	5-PP-006	PLAN AND PROFILE STA 31+25 TO STA 35+75	98	20-E-005	CHEMICAL PUMP PANEL WIRING DIAGRAM AND ELEVATION
31	5-PP-007	PLAN AND PROFILE STA 35+75 TO STA 40+75	99	20-E-006	CONTROL PANEL BACKUP LAYOUT AND ELEVATION
32	5-PP-008	PLAN AND PROFILE STA 40+75 TO STA 44+75	100	20-E-007	CONTROL PANEL BACKUP LAYOUT AND ELEVATION
33	5-PP-009	PLAN AND PROFILE STA 44+75 TO STA 49+25	101	20-E-008	CONTROL PANEL EXAMPLE PLC I/O WIRING DIAGRAMS
34	5-PP-010	PLAN AND PROFILE STA 49+25 TO STA 53+75	102	20-E-009	CONTROL PANEL EXAMPLE PLC I/O WIRING DIAGRAMS
35	5-PP-011	PLAN AND PROFILE STA 53+75 TO STA 59+25	103	20-E-010	METERMAIN SWITCHBOARD AND SURGE TANKS POWER AND CONTROL PLAN
36	5-PP-012	PLAN AND PROFILE STA 59+25 TO STA 64+75	104	20-E-011	ELECTRICAL ROOM POWER PLAN
37	5-PP-013	PLAN AND PROFILE STA 64+75 TO STA 69+25	105	20-E-012	ELECTRICAL ROOM POWER PLAN
38	5-PP-014	PLAN AND PROFILE STA 69+25 TO STA 74+75	106	20-E-013	PUMP ROOM POWER AND CONTROL PLAN
39	5-PP-015	PLAN AND PROFILE STA 74+75 TO STA 79+25	107	20-E-014	PUMP ROOM LIGHTING AND RECEPTACLE PLAN
40	5-PP-016	PLAN AND PROFILE STA 79+25 TO STA 84+75	108	20-E-015	LIQUID AMMONIUM SULFATE ROOM POWER AND CONTROL PLAN
41	5-PP-017	PLAN AND PROFILE STA 84+75 TO STA 89+25	109	20-E-016	LIQUID AMMONIUM SULFATE ROOM POWER AND CONTROL PLAN
42	5-PP-018	HDD EXHIBIT INITIAL GEOMETRY PLAN AND PROFILE STA 23+00 TO STA 51+00	110	20-E-017	SODIUM HYPOCHLORITE ROOM ELECTRICAL PLAN
	INTERIOR CIVIL DETAILS		111	20-E-018	ELECTRICAL DETAILS 1
43	5-CD-001	CIVIL DETAILS	112	20-E-019	ELECTRICAL DETAILS 2
44	5-CD-002	CIVIL DETAILS	113	20-E-020	ELECTRICAL DETAILS 3
45	5-CD-003	CIVIL DETAILS	114	20-E-021	ELECTRICAL CONDUIT SCHEDULE 1
46	5-CD-004	CIVIL DETAILS	115	20-E-022	ELECTRICAL CONDUIT SCHEDULE 2
47	5-CD-005	CIVIL DETAILS	116	20-E-023	INSTRUMENTATION SYMBOLS AND ABBREVIATIONS
48	5-CD-006	CIVIL DETAILS	117	20-E-024	DEL MAR BOOSTER PUMP STATION P&ID 1
49	5-CD-007	CIVIL DETAILS	118	20-E-025	DEL MAR BOOSTER PUMP STATION P&ID 2
50	5-CD-008	CIVIL DETAILS	119	20-H-004	MISCELLANEOUS SYSTEMS P&ID
51	5-CD-009	CIVIL DETAILS	120		
52	5-CD-010	CIVIL DETAILS	121		
53	10-CD-002	RINCON INTERIE CONNECTION SECTIONS	122		
	ARCHITECTURAL			CORROSION MONITORING	
54	20-A-101	ARCHITECTURAL LEGEND AND NOTES	123	CP-001	CORROSION MONITORING DETAILS
55		ELEVATIONS	124	CP-002	CORROSION MONITORING DETAILS
	STRUCTURAL		125	CP-003	CORROSION MONITORING DETAILS
56	S-001	LEGEND AND NOTES		TRAFFIC CONTROL PLANS	
57	S-002	STRUCTURAL NOTES NO. 1	126	L-1	TITLE SHEET, SHEET INDEX, VICINITY MAP, AND LOCATION MAP
58	S-003	STRUCTURAL NOTES NO. 2	127	N-1	TRAFFIC CONTROL PLAN
59	21-S-101	FLOOR PLAN	128	TC-1	TRAFFIC CONTROL PLAN
60	21-S-102	ROOF PLAN	129	TC-2	TRAFFIC CONTROL PLAN
61	21-S-103	SECTION	130	TC-3	TRAFFIC CONTROL PLAN
62	20-S-112	SECTION	131	TC-4	TRAFFIC CONTROL PLAN
63	20-S-113	SECTION	132	TC-5	TRAFFIC CONTROL PLAN
64	20-S-201	SURGE TANKS PLAN	133	TC-6	TRAFFIC CONTROL PLAN
65	20-S-211	SURGE TANK SECTIONS	134	TC-7	TRAFFIC CONTROL PLAN
66	SSD-001	STRUCTURAL STANDARD DETAILS	135	TC-8	TRAFFIC CONTROL PLAN
67	SSD-002	STRUCTURAL STANDARD DETAILS			
68	SSD-003	STRUCTURAL STANDARD DETAILS			



CASITAS MUNICIPAL WATER DISTRICT
VENTURA - SANTA BARBARA COUNTIES INTERIE RD SCHEDULE "A"

SHEET INDEX

PROJECT NUMBER	22-451
DRAWING NUMBER	G-002
SHEET NUMBER	2 OF 135

FACILITY 5: INTERTIE PIPELINE & FACILITY 10: RINCON MAIN CONNECTION PIPE SCHEDULE 1,2,3

SERVICE	FLOW STREAM	EXPOSURE	SIZE RANGE	MATERIAL	JOINT TYPE	LINING	COATING	TEST PRESSURE
POTABLE WATER LOW PRESSURE	PWL	BURIED	16"	PVC2	RMJ, JO	NONE	CEMENT MORTAR	
			12", 16"	CLMC	WLD, FLG	CEMENT MORTAR		
			20"	HDPE	WLD	NONE		
		EXPOSED - CASTING	PVC2	16"	PO & MECA STOP BELL PO & MECA STOP SYSTEM	NONE		
POTABLE WATER LOW PRESSURE	PWL	BURIED	4", 6"	BIP	RMJ, FLG	CEMENT MORTAR	ASPHALTIC & PE BAG	
			4", 16", 18", 21"	CLMC	WLD, FLG	CEMENT MORTAR		
		EXPOSED	4"	WSP	WLD, FLG	FUSION EXPOXY	FUSION EXPOXY - GREY	SEE TEST HGL ON DWG G-008
		BURIED	27", 4"	WSP	WLD, FLG	FUSION EXPOXY		
POTABLE WATER LOW PRESSURE	PWL	BURIED	12", 27", 4"	COP	S/D	NONE		
			27", 4"	WSP	WLD, FLG	FUSION EXPOXY	FUSION EXPOXY - GREY	
		EXPOSED	12", 27", 4"	COP	S/D	NONE		
		BURIED	47", 2"	PKC1	S/LV	NONE		
NON-POTABLE WATER	BR	BURIED	47", 2"	PKC1	S/LV	NONE		
SAMPLE	SA	BURIED	3/4"	COP	S/D	NONE		

NOTES:

- SEE DRAWINGS FOR LOCATIONS OF JOINT TRANSITIONS AND TYPES. CONTRACTOR SHALL IDENTIFY LOCATIONS AND TYPES OF PIPE JOINT TYPES IN SUBMITTAL.
- ALL FITTINGS TO BE RESTRAINED.

FACILITY 20: DEL MAR PUMP PLANT 1,2,3,4,5

SERVICE	FLOW STREAM	EXPOSURE	SIZE RANGE	MATERIAL	JOINT TYPE	LINING	COATING	TEST PRESSURE
AIR, HIGH PRESSURE	AHP	EXPOSED	ALL	SSTT	S/D	NONE	NONE	500 PSI
			2", 4"	PVC3	S/LV	NONE		
		ALL	3/8" X 2"	LDPE	COMP	NONE		
		EXPOSED	3/4"	PVC1	S/LV	NONE		
LIQUID AMMONIUM SULFATE	LAS	BURIED	6", 16"	RMJ, JO	CEMENT MORTAR			
			12", 16"	CLMC	WLD, FLG, GRV	FUSION EXPOXY		
		EXPOSED	12"	WSP	WLD, FLG, GRV	FUSION EXPOXY		
		ALL	4"	COP	WLD, THD	NONE		
POTABLE WATER HIGH PRESSURE	PWH	BURIED	4"	CLMC	WLD, FLG	CEMENT MORTAR		
		EXPOSED	3/4" X 2"	WSP	WLD, FLG, GRV	FUSION EXPOXY		
		ALL	1/4" X 2"	LDPE	COMP	NONE		
		EXPOSED	3/8" X 2"	PKC3	S/LV	NONE		
SAMPLE	SA	BURIED	6"	PKC3	S/LV	NONE		
SODIUM HYPOCHLORITE	SHC	BURIED	6"	PKC3	S/LV	NONE		
VENT	V	EXPOSED	6"	PKC3	S/LV	NONE		

NOTES:

- SEE DRAWINGS FOR LOCATIONS OF JOINT TRANSITIONS AND TYPES. CONTRACTOR SHALL IDENTIFY LOCATIONS AND TYPES OF PIPE JOINT TYPES IN SUBMITTAL.
- ALL FITTINGS TO BE RESTRAINED.
- ALL CHEMICAL AND SAMPLE TUBING SHALL BE 3/16" INNER DIAMETER AND 1/2" OUTSIDE DIAMETER LDPE TUBING IN 2" CONDUIT.
- ALL SAMPLE TUBING SHALL BE 1/2" O.D. AND 1/4" I.D. WITH 1/2" END CAPS.
- ALL SAMPLE TUBING AND WATER PIPING DOWNSTREAM OF PRV SHALL HAVE A TEST PRESSURE OF 100 PSI. TEST PRESSURES UPSTREAM OF PRV SHALL BE PER PIPE AND VALVE SCHEDULES.

TAG NO.	STA	OFFSET	DESCRIPTION
TWC-01000	10+06.50	2' L	TRACER WIRE AND GROUNDING ROD STATION
TWC-02025	20+17.54	11' L	TRACER WIRE AND GROUNDING ROD STATION
TWC-03050	30+28.58	9' L	TRACER WIRE AND GROUNDING ROD STATION
TWC-05100	50+43.33	3' L	TRACER WIRE AND GROUNDING ROD STATION
UMS-00015	00+00	3' L	UTILITY MARKER STATION
UMS-00175	00+00	3' L	UTILITY MARKER STATION
UMS-01000	10+049.00	14' L	UTILITY MARKER STATION
UMS-02000	10+049.00	14' L	UTILITY MARKER STATION
UMS-03000	10+049.00	14' L	UTILITY MARKER STATION
UMS-04000	10+049.00	14' L	UTILITY MARKER STATION
UMS-05000	10+049.00	14' L	UTILITY MARKER STATION
UMS-06000	10+049.00	14' L	UTILITY MARKER STATION
UMS-07000	10+049.00	14' L	UTILITY MARKER STATION
UMS-08000	10+049.00	14' L	UTILITY MARKER STATION
UMS-09000	10+049.00	14' L	UTILITY MARKER STATION
UMS-10000	10+049.00	14' L	UTILITY MARKER STATION
UMS-11000	10+049.00	14' L	UTILITY MARKER STATION
UMS-12000	10+049.00	14' L	UTILITY MARKER STATION
UMS-13000	10+049.00	14' L	UTILITY MARKER STATION
UMS-14000	10+049.00	14' L	UTILITY MARKER STATION
UMS-15000	10+049.00	14' L	UTILITY MARKER STATION
UMS-16000	10+049.00	14' L	UTILITY MARKER STATION
UMS-17000	10+049.00	14' L	UTILITY MARKER STATION
UMS-18000	10+049.00	14' L	UTILITY MARKER STATION
UMS-19000	10+049.00	14' L	UTILITY MARKER STATION
UMS-20000	10+049.00	14' L	UTILITY MARKER STATION
UMS-21000	10+049.00	14' L	UTILITY MARKER STATION
UMS-22000	10+049.00	14' L	UTILITY MARKER STATION
UMS-23000	10+049.00	14' L	UTILITY MARKER STATION
UMS-24000	10+049.00	14' L	UTILITY MARKER STATION
UMS-25000	10+049.00	14' L	UTILITY MARKER STATION
UMS-26000	10+049.00	14' L	UTILITY MARKER STATION
UMS-27000	10+049.00	14' L	UTILITY MARKER STATION
UMS-28000	10+049.00	14' L	UTILITY MARKER STATION
UMS-29000	10+049.00	14' L	UTILITY MARKER STATION
UMS-30000	10+049.00	14' L	UTILITY MARKER STATION
UMS-31000	10+049.00	14' L	UTILITY MARKER STATION
UMS-32000	10+049.00	14' L	UTILITY MARKER STATION
UMS-33000	10+049.00	14' L	UTILITY MARKER STATION
UMS-34000	10+049.00	14' L	UTILITY MARKER STATION
UMS-35000	10+049.00	14' L	UTILITY MARKER STATION
UMS-36000	10+049.00	14' L	UTILITY MARKER STATION
UMS-37000	10+049.00	14' L	UTILITY MARKER STATION
UMS-38000	10+049.00	14' L	UTILITY MARKER STATION
UMS-39000	10+049.00	14' L	UTILITY MARKER STATION
UMS-40000	10+049.00	14' L	UTILITY MARKER STATION
UMS-41000	10+049.00	14' L	UTILITY MARKER STATION
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UMS-45000	10+049.00	14' L	UTILITY MARKER STATION
UMS-46000	10+049.00	14' L	UTILITY MARKER STATION
UMS-47000	10+049.00	14' L	UTILITY MARKER STATION
UMS-48000	10+049.00	14' L	UTILITY MARKER STATION
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UMS-50000	10+049.00	14' L	UTILITY MARKER STATION
UMS-51000	10+049.00	14' L	UTILITY MARKER STATION
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UMS-57000	10+049.00	14' L	UTILITY MARKER STATION
UMS-58000	10+049.00	14' L	UTILITY MARKER STATION
UMS-59000	10+049.00	14' L	UTILITY MARKER STATION
UMS-60000	10+049.00	14' L	UTILITY MARKER STATION
UMS-61000	10+049.00	14' L	UTILITY MARKER STATION
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UMS-67000	10+049.00	14' L	UTILITY MARKER STATION
UMS-68000	10+049.00	14' L	UTILITY MARKER STATION
UMS-69000	10+049.00	14' L	UTILITY MARKER STATION
UMS-70000	10+049.00	14' L	UTILITY MARKER STATION
UMS-71000	10+049.00	14' L	UTILITY MARKER STATION
UMS-72000	10+049.00	14' L	UTILITY MARKER STATION
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UMS-74000	10+049.00	14' L	UTILITY MARKER STATION
UMS-75000	10+049.00	14' L	UTILITY MARKER STATION
UMS-76000	10+049.00	14' L	UTILITY MARKER STATION
UMS-77000	10+049.00	14' L	UTILITY MARKER STATION
UMS-78000	10+049.00	14' L	UTILITY MARKER STATION
UMS-79000	10+049.00	14' L	UTILITY MARKER STATION
UMS-80000	10+049.00	14' L	UTILITY MARKER STATION
UMS-81000	10+049.00	14' L	UTILITY MARKER STATION
UMS-82000	10+049.00	14' L	UTILITY MARKER STATION
UMS-83000	10+049.00	14' L	UTILITY MARKER STATION
UMS-84000	10+049.00	14' L	UTILITY MARKER STATION
UMS-85000	10+049.00	14' L	UTILITY MARKER STATION
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UMS-89000	10+049.00	14' L	UTILITY MARKER STATION
UMS-90000	10+049.00	14' L	UTILITY MARKER STATION
UMS-91000	10+049.00	14' L	UTILITY MARKER STATION
UMS-92000	10+049.00	14' L	UTILITY MARKER STATION
UMS-93000	10+049.00	14' L	UTILITY MARKER STATION
UMS-94000	10+049.00	14' L	UTILITY MARKER STATION
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UMS-96000	10+049.00	14' L	UTILITY MARKER STATION
UMS-97000	10+049.00	14' L	UTILITY MARKER STATION
UMS-98000	10+049.00	14' L	UTILITY MARKER STATION
UMS-99000	10+049.00	14' L	UTILITY MARKER STATION
UMS-100000	10+049.00	14' L	UTILITY MARKER STATION

SCHEDULE DEFINITIONS:

1. SERVICES:

- AHP = AIR, HIGH PRESSURE
DR = DRAIN
LAS = LIQUID AMMONIUM SULFATE
LPV = LOW PRESSURE VENT
PWH = POTABLE WATER HIGH PRESSURE
PWL = POTABLE WATER LOW PRESSURE
SA = SAMPLE
SHC = SODIUM HYPOCHLORITE
SSTT = STAINLESS STEEL TUBING
WSP = WELDED STEEL PIPE

FACILITY NUMBERS:

5. INTERTIE PIPELINE

10. RINCON MAIN CONNECTION
20. DEL MAR PUMP PLANT

2. PIPE MATERIALS:

- CLMC = CEMENT MORTAR LINED AND COATED STEEL PIPE
COP = COPPER PIPE
HDPE = HIGH DENSITY POLYETHYLENE PRESSURE PIPE
HDPV = HIGH DENSITY POLYETHYLENE VENT
PVC1 = PVC PRESSURE PIPE
PVC2 = PVC PRESSURE PIPE
SSTT = STAINLESS STEEL TUBING
WSP = WELDED STEEL PIPE

3. EXPOSURE

- BUR = BURIED
EXP = EXPOSED
SUB = SUBMERGED

4. JOINT TYPES:

- BARB = BARBED
COMP = COMPRESSION
GRV = GROoved
LUG = LUGGED
PUSH = PUSH FIT
PRJ = PROPRIETARY RESTRAINED JOINT
RMJ = RESTRAINED MECHANICAL JOINT
SOLD = SOLDERED
THD = THREADED
WLD = WELDED

REV DATE BY DESCRIPTION



DESIGNED: P. WILSTER
DRAWN: M. TRUITT
CHECKED: T. LEWIS
DATE: 01/06/2025

PROJECT NUMBER: 22-451
DRAWING NUMBER: G-005
SHEET NUMBER: 5 OF 135

CASITAS MUNICIPAL WATER DISTRICT
VENTURA - SANTA BARBARA COUNTIES INTERTIE - BD SCHEDULE 'A'

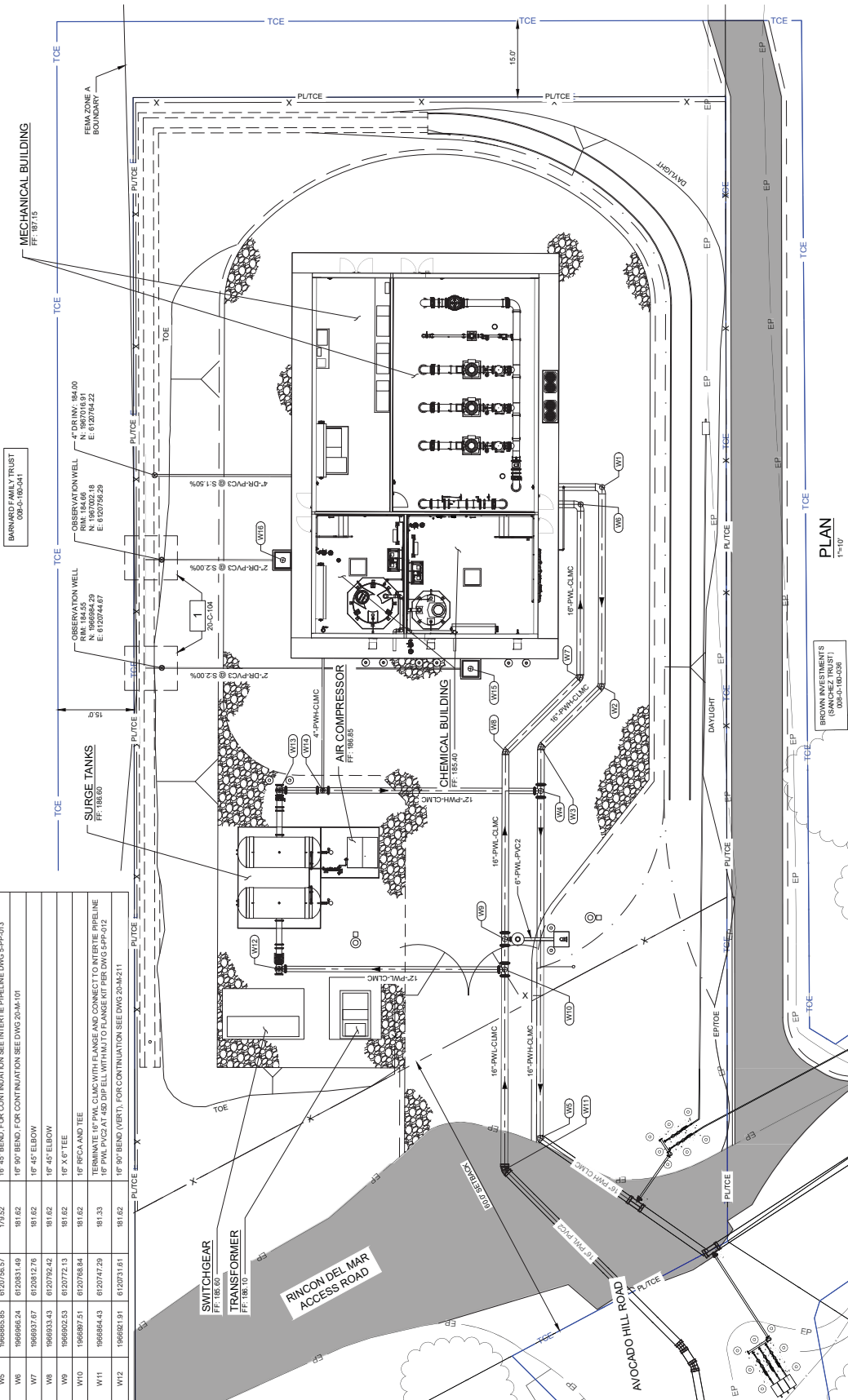
PIPE AND EQUIPMENT SCHEDULE



GENERAL NOTES:
1. FOR ALL BURIED PRESSURE PIPE UTILITIES
INSTALL PER DTL 25-CD-003.

YARD PIPING POINT TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
W13	968551.39	812076.93	18" 90° BEND (VERT), FOR CONTINUATION SEE DWG 20-M-211
W14	968546.72	812076.07	18" X 4" TEE, FOR CONTINUATION SEE DWG 20-M-211
W15	968550.91	812076.59	PRECAST CONC VAULT 2' CL OUT
W16	968550.08	812076.27	PRECAST CONC VAULT 2' CL OUT

YARD PIPING POINT TABLE		
POINT #	NORTHING	DESCRIPTION
W1	968562.79	18" 90° BEND, FOR CONTINUATION SEE DWG 20-M-01
W2	968563.89	18" 45° ELBOW
W3	968563.45	18" 45° ELBOW
W4	968562.14	12" X 18" TEE
W5	968566.05	18" 45° BEND, FOR CONTINUATION SEE INTERIOR PIPELINE DWG 5-PP-013
W6	968562.24	18" 90° BEND, FOR CONTINUATION SEE DWG 20-M-01
W7	968563.07	18" 45° ELBOW
W8	968563.43	18" 45° ELBOW
W9	968562.53	18" X 6" TEE
W10	968567.51	TERMINATE 18" PWL CL-MC WITH FLANGE AND CONNECT TO INTERIOR PIPELINE
W11	968566.43	15" PWL PVC AT 45° DIP ELL WITH HUI TO FLANGE KIT PER DWG 5-PP-012
W12	968562.19	18" 90° BEND (VERT), FOR CONTINUATION SEE DWG 20-M-211



		WATERWORKS ENGINEERS			
DESIGNED	A. PRATER	DRAWN	M. TRUITT	CHECKED	A. PRATER
QUOC	A. PRATER	DATE			
PROJECT ENGINEER	WWE PROJECT NO. 06-015	DATE			
CONTRACTIVITY	J. RESS	DATE			
PROJECT NUMBER 22-452		DRAWING NUMBER 20-C-103		SHEET NUMBER 17 OF 135	
CASITAS MUNICIPAL WATER DISTRICT VENTURA - SANTA BARBARA COUNTIES INTERIOR SCHEDULE "A"		FACILITY #60 DEL MAR PUMP PLANT IMPROVEMENTS		YARD PIPING PLAN	

HDD LINE TABLE

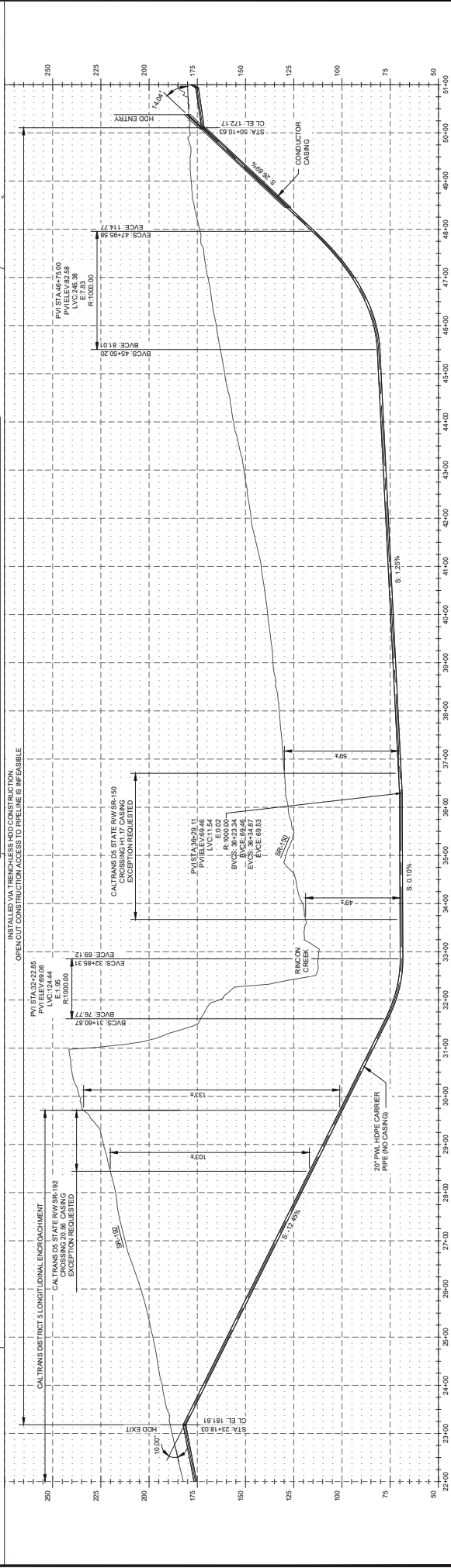
LINE #	LENGTH	DIRECTION	START (N.E.)	END (N.E.)	START (STA)	END (STA)
L1	322.75	S 74° 35' 00.20"E	(819814.13, 190637.16)	(8120725.27, 1906451.37)	46+43.87	50+10.82

HDD CURVE TABLE

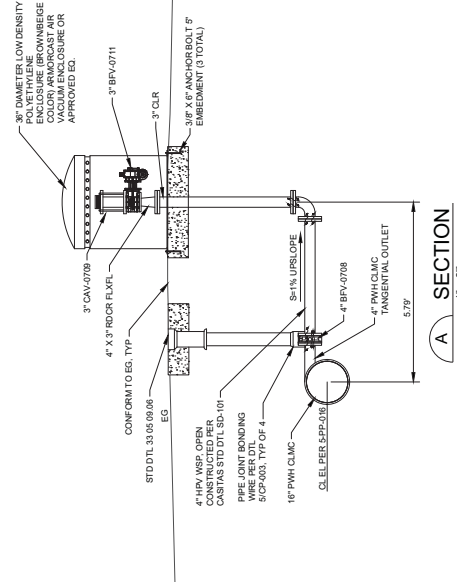
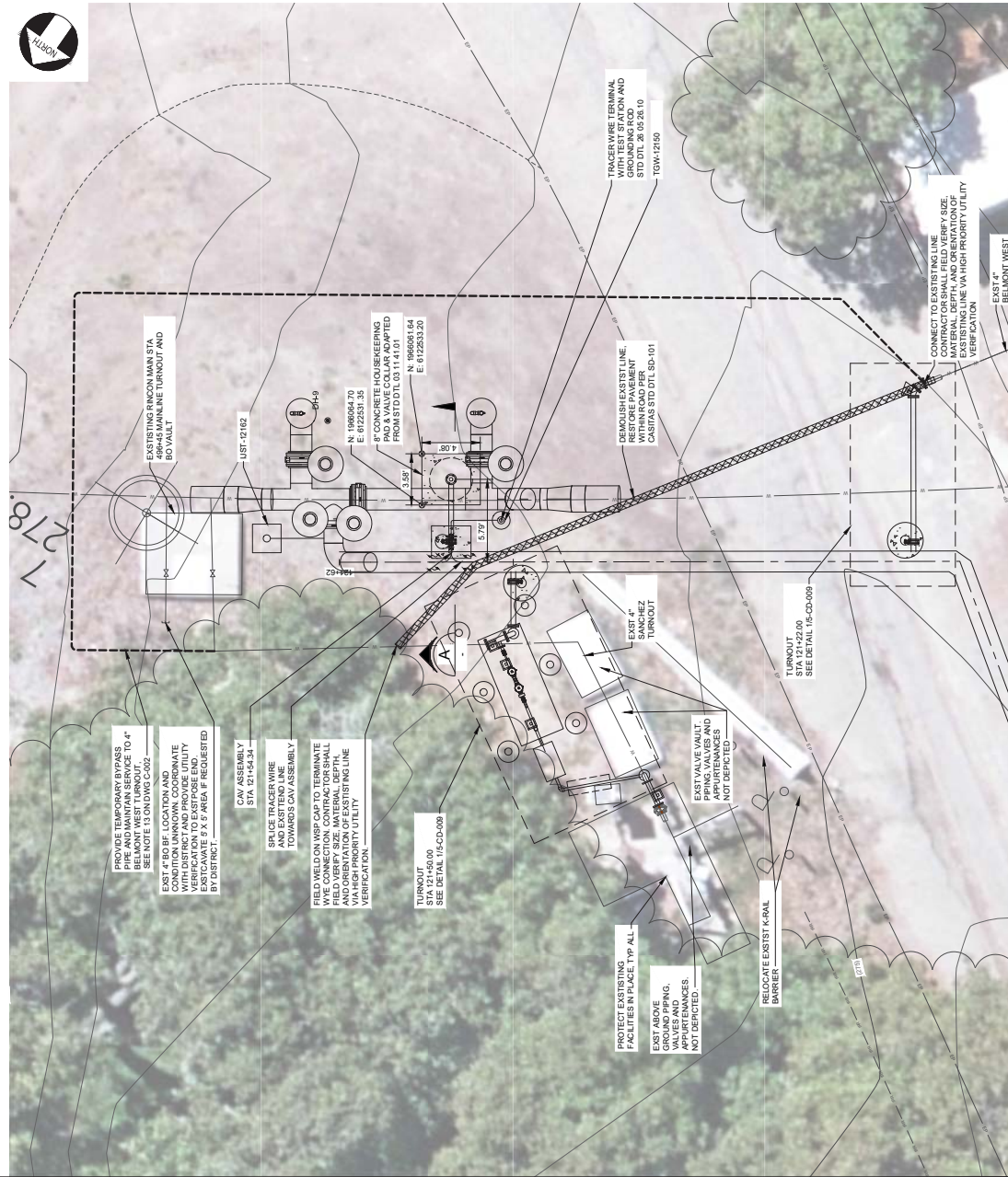
CURVE	RADIUS	LENGTH	CHORD DIRECTION	START (N.E.)	END (N.E.)	START (STA)	END (STA)
C1	1000.0	2369.84	S 67° 47' 45.49"E	(1987430.64, 17625.15)	(1986537.68, 1984.13)	23+18.03	46+47.87

HDD LINE TABLE						
LINE #	LENGTH	DIRECTION	START (N/E)	END (N/E)	START (STA)	END (STA)
L1	322.75	S74° 35' 06.26"E	(61 9814.13; 1906037.16)	(6120125.27; 9664451.37)	46+87.87	50+10.62

HDD CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD DIRECTION	START (N/E)	END (N/E)	START (STA) END (STA)
C1	10000.0	2369.84	S67° 47' 45.49"E	(198730.64,61.17625.15)	(1966537.16,611984.13)	23+18.03 46+87.87



REV	DATE	BY	DESCRIPTION	 CASTITAS Municipal Water District	DESIGNED: P WEBSTER DRAWN: M TRUITT CHECKED: T LEWIS DACC: T OROZCO CONSTRUCTABILITY: T OROZCO	 WATERWORKS ENGINEERS PROJECT NUMBER: 01/00/2025 PROJECT NAME: CASTITAS MUNICIPAL WATER DISTRICT VERTICAL - SANTA BARBARA COUNTY INTERLINE - NO SCHEDULE 'A' DRAWING NUMBER: 22-451 DATE: 01/09/2025 PROJECT NUMBER: 5-PP-018 SHEET NUMBER: 42 OF 135
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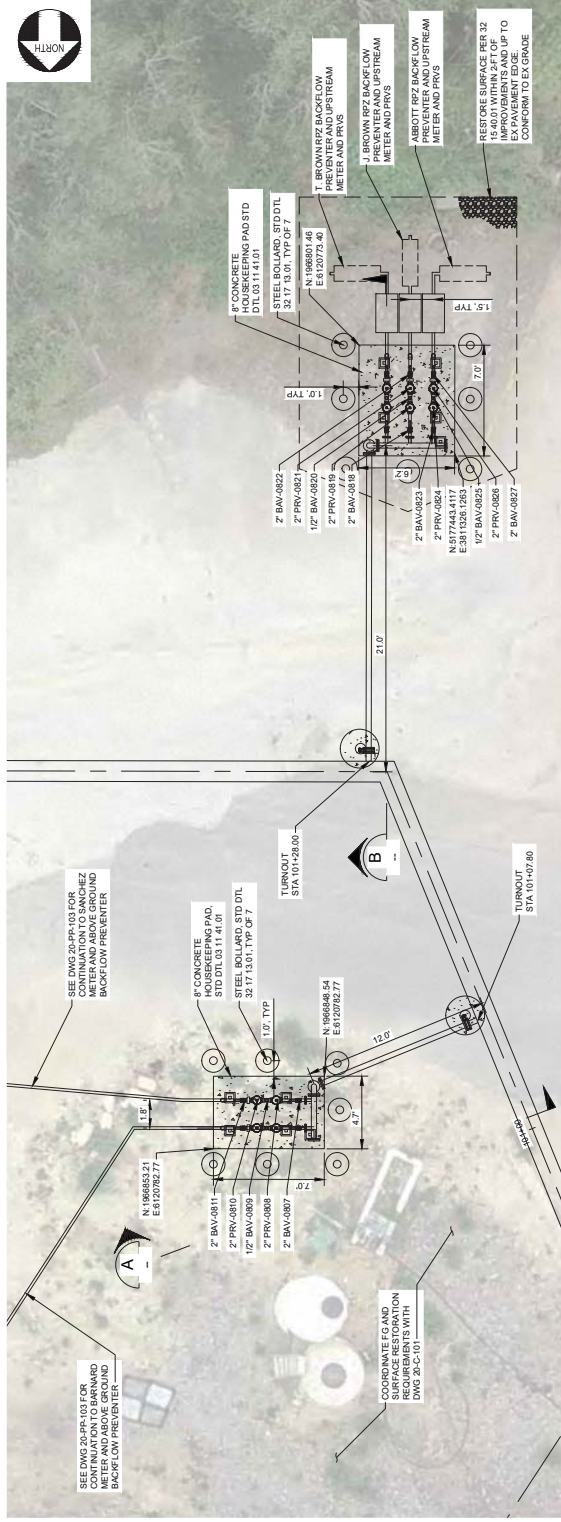
GENERAL NOTES:

1. CONTRACTOR SHALL DEMOLISH BELMONT WEST TURNOUT AND INSTALL TEMPORARY BYPASS PIPE TO MAINTAIN SERVICE PRIOR TO INSTALLATION OF INTERTIE PIPELINE (FACILITY 05), CAV ASSEMBLY (FACILITY 07) AND TURNOUTS (FACILITY 08), AND RINCON INTERTIE CONNECTION (FACILITY 10)

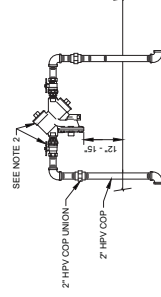
[illegible]

GENERAL NOTES

- CONTRACTOR SHALL INITIALIZE BOTH PRVS PER MANUFACTURER'S INSTRUCTIONS AND TEST PRESSURE BEFORE BACKFLOW PREVENTER ASSEMBLY.
- REDUCED PRESSURE PRINCIPLE ASSEMBLY BACKFLOW PREVENTER SHALL BE INSTALLED IN THE LINE WITH FULL PORT BALL VALVES, MAIN BODY AND ACCESS COVERS SHALL BE LOW LEAD BRONZE (ASTM B584). FIRST AND SECOND CHECK VALVES SHALL BE LOW LEAD BRONZE (ASTM B584). REMOVING THE RELIEF VALVE OF THE ENTIRE DEVICE FROM THE LINE THE ASSEMBLY SHALL BE CONFIRMABLE TO INCLUDE AN INDEPENDENT TEST FOR THE PRESSURE PRINCIPLE. THE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER SHALL BE ZURN WATERS MODEL 755-2, OR APPROVED EQUAL.



2 BACKFLOW PREVENTER

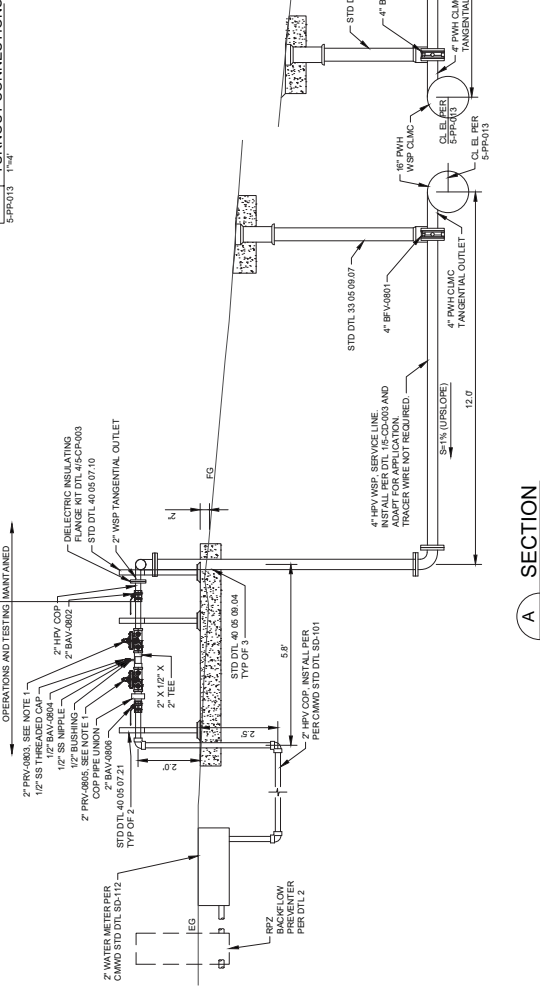


REDUCED PRESSURE PRINCIPLE
NPS

DISTRICT OPERATED
CUSTOMER TO ASSUME OWNERSHIP AND
RESPONSIBILITY FOR FUTURE OPERATIONS
AND TESTING

1 TURNOUT CONNECTIONS

CUSTOMER TO ASSUME OWNERSHIP AND
RESPONSIBILITY FOR FUTURE OPERATIONS
AND TESTING

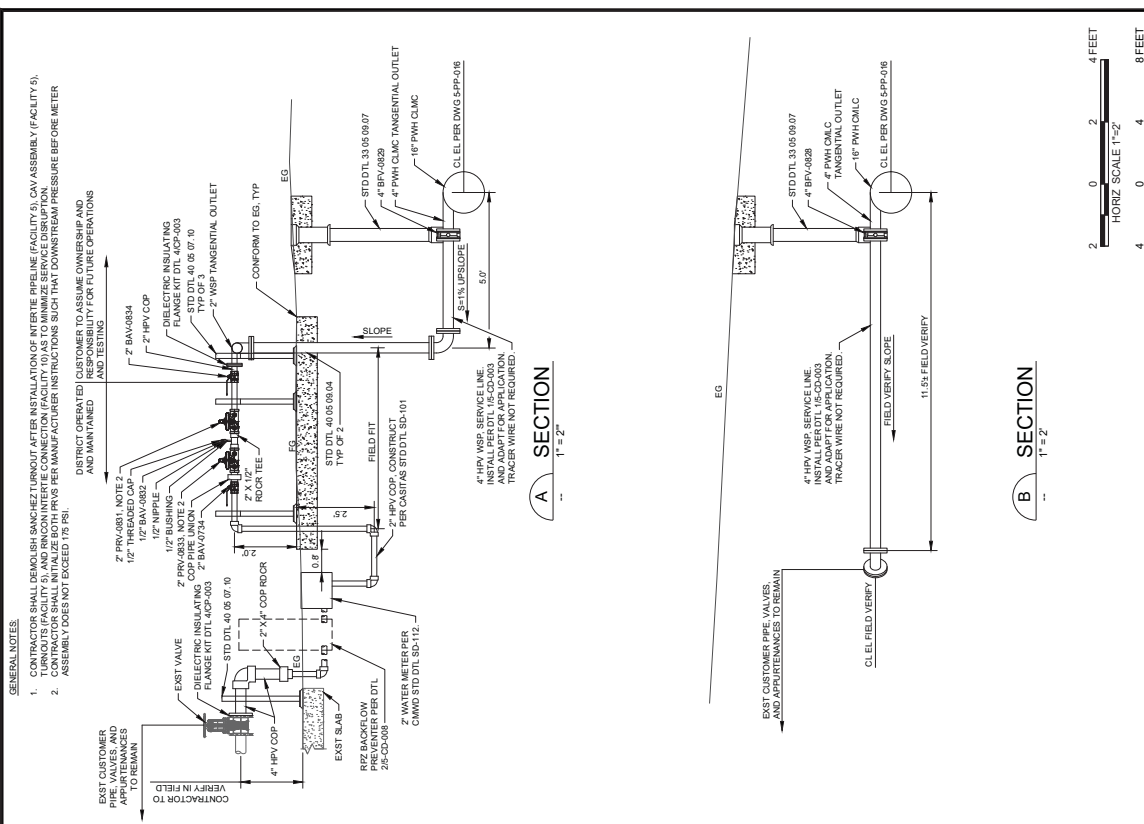
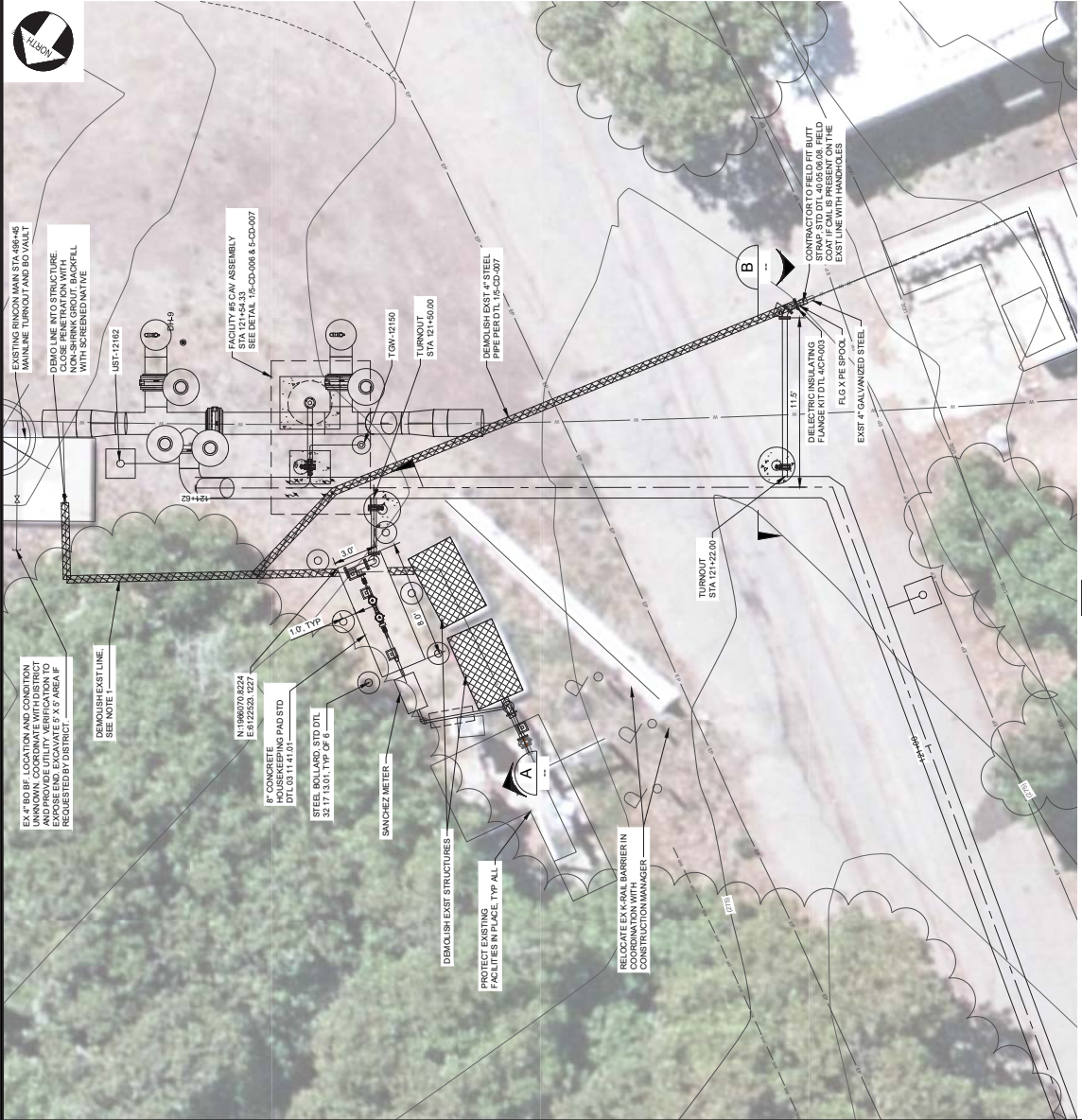


A SECTION

B SECTION

2 0 2 4 FEET
HORIZ SCALE 1\"/>

WATERWORKS ENGINEERS	DESIGNED: P. WIESTER DRAWN: M. TRUITT CHECKED: T. LEWIS DATE: 08/06/2025	PROJECT NUMBER: 19-015 WIRE PROJECT NO: 19-015 DATE: 08/06/2025	PROJECT ENGINEER: R. C. E. EPP SCALE: SEE PLAN	CASITAS MUNICIPAL WATER DISTRICT VENTURA - SANTA BARBARA COUNTIES INTERIE BE SCHEDULE 'A' FACILITY #65 INTERIE PIPELINE	PROJECT NUMBER: 22-451 DRAWING NUMBER: 5-CD-008 SHEET NUMBER: 50 OF 135
	CONTRACTOR SHALL INITIALIZE BOTH PRVS PER MANUFACTURER'S INSTRUCTIONS AND TEST PRESSURE BEFORE BACKFLOW PREVENTER ASSEMBLY. REDUCED PRESSURE PRINCIPLE ASSEMBLY BACKFLOW PREVENTER SHALL BE INSTALLED IN THE LINE WITH FULL PORT BALL VALVES, MAIN BODY AND ACCESS COVERS SHALL BE LOW LEAD BRONZE (ASTM B584). FIRST AND SECOND CHECK VALVES SHALL BE LOW LEAD BRONZE (ASTM B584). REMOVING THE RELIEF VALVE OF THE ENTIRE DEVICE FROM THE LINE THE ASSEMBLY SHALL BE CONFIRMABLE TO INCLUDE AN INDEPENDENT TEST FOR THE PRESSURE PRINCIPLE. THE REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER SHALL BE ZURN WATERS MODEL 755-2, OR APPROVED EQUAL.	CIVIL DETAILS TURNOUT CONNECTIONS			



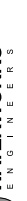
- GENERAL NOTES:**
1. CONTRACTOR SHALL DEMONISH EXISTING TURNOUT AFTER INSTALLATION OF INTERTE PIPELINE (FACILITY 5). CAV ASSEMBLY (FACILITY 5).
 2. CONTRACTOR SHALL INITIALIZE BOTH R/W'S PER MANUFACTURER'S INSTRUCTIONS SUCH THAT DOWNSTREAM PRESSURE BEFORE METER ASSEMBLY DOES NOT EXCEED 75 PSI.

1 TURNOUT CONNECTION SFP-017 T-1				CASITAS MUNICIPAL WATER DISTRICT VENTURA - SANTA BARBARA COUNTIES INTERTE PIPELINE	
ORDERED: P. WINTER DRAWN: M. TRUITT CHECKED: T. LEWIS QUOC: T. LEWIS CONSTRUCTION: T. KOTY		PROJECT ENGINEER: RICE DATE: 08/16/2025		PROJECT NUMBER: 22-451 DRAWING NUMBER: 5-CD-009 SHEET NUMBER: 51 OF 135	
EX 4" R/O IF LOCATION AND CONDITION UNKNOWN, COORDINATE WITH DISTRICT ENGINEER. EXPOSE AND EXCAVATE 5' X 5' AREA IF REQUESTED BY DISTRICT.		DEMOLISH EXIST LINE SEE NOTE 1		EXIST 4" R/O IF LOCATION AND CONDITION UNKNOWN, COORDINATE WITH DISTRICT ENGINEER. EXPOSE AND EXCAVATE 5' X 5' AREA IF REQUESTED BY DISTRICT.	

1. ELEVATION DETERMINED BY APPROVED PUMP MFG. COORDINATE WITH MECHANICAL DRAWINGS.

[illegible]



DATE		BY				WATERWORKS ENGINEERS			SCALE: 3/8" = 1'-0" SCALE: AS SHOWN	CASITAS MUNICIPAL WATER DISTRICT VENTURA - SANTA BARBARA COUNTIES INTEREST IN SCHEDULE "A" FACILITY 252 DEL MAR PUMP PLANT	PROJECT NUMBER	20-S-113
DESCRIPTION		DRAWING									DRAWING NUMBER	20-S-113
DESIGNED		CHECKED									SHEET NUMBER	63
DRAWN		CONSTRUCTED									DATE	135

- DRAWING REFERENCED NOTES:**

① CONFIRM DIRECTION WITH OWNER PRIOR TO AIMING.



FILE:2211C-A-EQ11.DWG DATE:JAN 06, 2025 TIME:11:29:58AM

REV	DATE	BY	DESCRIPTION
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[illegible][illegible][illegible][illegible][illegible]

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CASITAS
Municipal Water District

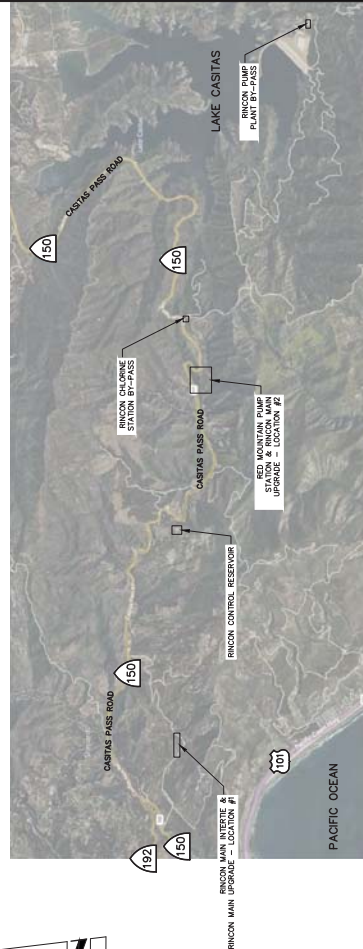
DESIGNED:	T. FRISCH
DRAWN:	N. CONANT
CHECKED:	M. FRISCH
QA/QC:	


WATERWORKS
 ENGINEERS
 PROJECT ENGINEER: *Tom Jack*
 WAVE PROJECT NO: E15761 01

C	V	2	1	1/2	0		THIS BAR IS 2 INCHES AT FULL SCALE. IF NOT 2 INCHES, THEN SCALE ACCORDINGLY.	SCALE:	SEE PLAN
---	---	---	---	-----	---	---	---	--------	----------

**ELECTRICAL ROOM
POWER PLAN**

PROJECT NUMBER 22-451	
DRAWING NUMBER 20-E-012	
SHEET NUMBER 105	425



LOCATION MAP

NOT TO SCALE

PLANS MUST BE PRINTED AND
VIEWED IN COLOR FOR CLARITY

REV#	DATE	BY	DESCRIPTION		DESIGNED: MK/AT/TC DRAWN: TP/TC CHECKED: MK DATED: EP	 1000 Second Street San Jose, CA 95128 P.O. Box 127 • (408) 440-0000	PROJECT NUMBER: CANON PROJECT NO. 26431 R.C. 10115 - 001-002026 DATE: 01/06/2008	SCALE: 1" = 30'-0" THIS DRAWING IS A FULL SCALE DRAWING.	PROJECT NUMBER: 224451 DRAWING NUMBER: G-001	CASTAS MUNICIPAL WATER DISTRICT VENTURAGUANTA BARAGUA, GUAYMAS INTERIE	SHEET NUMBER: 1 OF 59
A	01/06/08	MK	BASED ON REVIEW, 2005 SUBMITTAL								
B	11/04/08	MK	BASED ON REVIEW, 2005 SUBMITTAL								
C	01/06/08	MK	BASED ON REVIEW, 2005 SUBMITTAL								

GENERAL NOTES

1. LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND BASED ON AVAILABLE INFORMATION PROVIDED BY UTILITY COMPANIES.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL POT-HOLE AND VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES. CONTRACTOR SHALL OBTAIN AND REVIEW ALL AVAILABLE RECORD DRAWINGS AND USE POSITIVE LOCATION METHODS PER CALTRANS PUBLICATION, "POLICY ON HIGH AND LOW RISK UNDERGROUND FACILITIES WITHIN HIGHWAY RIGHTS OF WAY". ALL STREET INTERCONNECTIONS SHALL BE POT-HOLED AND UTILITIES VERIFIED PRIOR TO COMMENCING INSTALLATION OF WATER MAIN CONNECTIONS AT THESE LOCATIONS.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF THE DISCOVERY OF ANY UTILITY THAT WAS OMITTED FROM THE PLANS. INCORRECTLY SHOWN OR NOT PROPERLY MARKED. IF THE UTILITY DOES NOT PROVIDE LOCATION INFORMATION OR MARKING SERVICES IN THE FIELD, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
4. OVERHEAD UTILITIES ARE NOT SHOWN IN ALL INSTANCES. CONTRACTOR SHALL USE DUE CARE WHEN WORKING NEAR OR UNDER SAID UTILITIES AND SHALL PROTECT THEM IN PLACE.
5. THE CONTRACTOR SHALL NOT INTERRUPT THE UTILITY SERVICE FUNCTION, DISTURB THE SUPPORT BASE, OR MODIFY ANY FACILITY WITHOUT AUTHORITY FROM THE UTILITY OWNER.
6. EXISTING PIPELINES UTILITIES THAT CROSS NEW SYSTEM PIPING OR SIMILAR EXCAVATIONS REQUIRED TO CONSTRUCT THE PIPING SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE SPECIFIED. ALL UTILITIES SHALL BE SUPPORTED ACROSS THE EXCAVATION DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER IF ANY UTILITY IS INTERRUPTED OR DAMAGED WHILE THE WORK IS IN PROGRESS. THE CONTRACTOR SHALL BEAR THE COSTS OF REPAIR OR REPLACEMENT OF ANY DAMAGED UTILITY WHERE DAMAGE WAS CAUSED BY THE CONTRACTOR'S ACTIVITIES.
8. ABANDONED VALVE CANS SHALL BE REMOVED BY CONTRACTOR AND MARKER BALLS (OFCI) SHALL BE INSTALLED AT ALL JOINTS.
9. METER SERVICE SWEEPS NEED TO ENTER BOX HORIZONTALLY.

ABBREVIATIONS

- A CURVE ANGLE
ACP NOMINAL DIAMETER
AD ASBESTOS-CEMENT PIPE
AWA AMERICAN WATER WORKS ASSOCIATION
C.I. OR CIP CLASS
CMC CAST IRON PIPE
CMC CEMENT MORTAR COATED
CMC CEMENT MORTAR UNCOATED
CND CASITAS MUNICIPAL WATER DISTRICT
CNC CONCRETE
CWD CARPINTERIA VALLEY WATER DISTRICT
CO.A COUNTY
DR.IRON
D.R. DIMENSION
DWT DIMENSION RATIO
E EAST OR EASTING
E EXISTING
(E) OR EX. ELEVATION
ELEV ELEVATION
FG FINISH GRADE
FLG FLANGE
FLG FLANGE CURB
FRP FIBER-REINFORCED POLYMER
FT. (FEET) FOOT (FEET)
H HORIZONTAL
HOPE HIGH DENSITY POLYETHYLENE
ICV INJECTION CONTROL VALVE
INV INVERT
L LENGTH
LF LINEAR FEET
LT LEFT
LT STD LEFT STANDARD
LT MAX. LEFT MAXIMUM
MBX MAIL BOX
M.M. MECHANICAL JOINT
N NORTH
N NORTH OR NORTHING
NLY NORTH
NAD83 NORTH AMERICAN DATUM OF 1983
NAD88 NORTH AMERICAN VERTICAL DATUM OF 1988
O.C.E.W. ON CENTER EACH WAY
O.D. OUTER DIAMETER
O.F.C.W. OWNER-FURNISHED/CONTRACTOR-INSTALLED
PSI POUNDS PER SQUARE INCH
PVC POLYVINYL CHLORIDE
R RADIUS
R RIGHT OF WAY
R REMOVE AND REPLACE
R&R STANDARD
SD SOUTH
SD SOUTHERLY
SS SOUTHERLY
SS SANITARY SEWER
SMH SEWER MANHOLE
SPM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
STATION(ING) STATION(ING)
STD STANDARD
STL STEEL
SWS STOP SIGN WHITE STRIPE
VCP VITRIFIED CLAY PIPE
W WEST
W/W WITH
W WESTERLY
WM WATER METER
WT WEIGHT
WMP WORKING WATER PRESSURE

SHEET INDEX

SHEET NUMBER	SHEET TITLE	DRAWING NUMBER
1	COVER SHEET	C-001
2	GENERAL NOTES, ABBREVIATIONS, SHEET INDEX	C-001
3	RED MOUNTAIN PUMP PLANT BY-PASS	10-C-001
4	ELECTRICAL SYMBOLS & GENERAL NOTES	5-E-001
5	ELECTRICAL DETAILS	5-E-002
6	STRUCTURAL GENERAL NOTES	5-S-001
7	STRUCTURAL DETAILS	5-S-002
8	INTERIE CONNECTION TO RINCON MAIN	10-C-001
9	INTERIE CONNECTION TO RINCON MAIN: ELECTRICAL	5-E-001
10	INTERIE CONNECTION TO RINCON MAIN: INSTRUMENTATION	5-E-001
11	INTERIE CONNECTION TO RINCON MAIN: INSTRUMENTATION	5-E-001
12	PANEL LAYOUT	5-I-001
13	PANEL WIRING DIAGRAM	5-I-002
14	NETWORK DIAGRAM	5-I-003
15	PIC WIRING DIAGRAMS	5-I-004
16	BATTERY BOX	5-I-005
17	INTERIE CONNECTION TO RINCON MAIN: STRUCTURAL	5-I-006
18	PLAN AND DETAILS	5-S-001
19	RED MOUNTAIN PUMP PLANT: ELECTRICAL	10-C-001
20	STAGING PLAN	10-C-002
21	DEMOLITION PLAN	10-C-003
22	GRAVING AREA	10-C-004
23	ACCESS ROAD ROUGH GRADE	10-C-005
24	SITE PLAN	10-C-006
25	MISC. DETAILS	10-CD-001
26	CHAINLINK FENCE AND GATE DETAILS	10-CD-002
27	RED MOUNTAIN PUMP PLANT: MECHANICAL	10-M-001
28	PIPING PLAN	10-M-002
29	SECTION VIEW I	10-M-003
30	PUMP CAN AND MISC. DETAILS	10-MD-001
31	RED MOUNTAIN PUMP PLANT: ELECTRICAL	10-E-001
32	SINGLE LINE DIAGRAM	10-E-002
33	EQUIPMENT ELEVATIONS	10-E-003
34	ELECTRICAL PLAN	10-E-004
35	INSTRUMENTATION PLAN	10-E-005
36	ELECTRICAL BUILDING POWER & LIGHTING PLAN	10-E-006
37	GROUNDING PLAN	10-E-007
38	CONDUIT & CABLE SCHEDULES	10-E-008
39	PUMP CONTROL WIRING DIAGRAM	10-I-001
40	RED MOUNTAIN PUMP PLANT: INSTRUMENTATION	10-I-002
41	PANEL LAYOUT - INTERIOR AND EXTERIOR	10-I-003
42	PANEL LAYOUT - ROOM	10-I-004
43	PANEL WIRING DIAGRAM	10-I-005
44	NETWORK DIAGRAM	10-I-006
45	ANALOG PIC WIRING DIAGRAMS	10-I-007
46	DIGITAL PIC WIRING DIAGRAMS	10-I-008
47	RED MOUNTAIN PUMP PLANT: STRUCTURAL	10-S-001
48	PLANS	10-S-002
49	ELEVATIONS	10-S-003
50	TYPICAL DETAILS	10-S-004
51	TYPICAL DETAILS	10-S-005
52	STRUCTURAL DETAILS	10-S-006
53	STRUCTURAL DETAILS	10-S-007
54	RED MOUNTAIN PUMP PLANT: HVAC	10-H-001
55	SCHEDULE NOTES AND LEGEND	10-H-002
56	MECHANICAL FLOOR PLAN	10-H-003
57	DETAILS AND CONTROLS	10-H-004

SHEET INDEX

SHEET NUMBER	SHEET TITLE	DRAWING NUMBER
52	RINCON CHARGE STATION BY-PASS: CIVIL	10-C-001
53	RINCON CONTROL EXTERIOR: CIVIL	10-C-002
54	SITE PLAN	10-C-003
55	SECTIONS AND DETAILS	10-C-004
56	RINCON MAIN IMPROVEMENTS: CIVIL	10-C-005
57	DEMOLITION & STAGING PLAN	10-CD-001
58	INTERIE IMPROVEMENTS	10-PP-001
59	RED MOUNTAIN PUMP PLANT BY-PASS: CIVIL	10-PP-002
60	RINCON PUMP PLANT BY-PASS: CIVIL	10-PP-003
61	PIPING SECTION & CONNECTION DETAILS	10-C-006



REV	DATE	BY	DESCRIPTION
A	08/08/24	AK	ISSUED FOR REVIEW - 60% SUBMITTAL
B	11/08/24	AK	ISSUED FOR REVIEW - 90% SUBMITTAL
C	11/08/25	AK	ISSUED FOR REVIEW - 100% SUBMITTAL
D			
E			
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G			
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V			
W			
X			
Y			
Z			

DESIGNED: **MM/7/PC**
DRAWN: **TF/PC**
CHECKED: **MK**
DATE: **01/08/2025**
PROJECT ENGINEER: **CANNON PROJECT NO. 240451**
FILE NAME: **08090020**

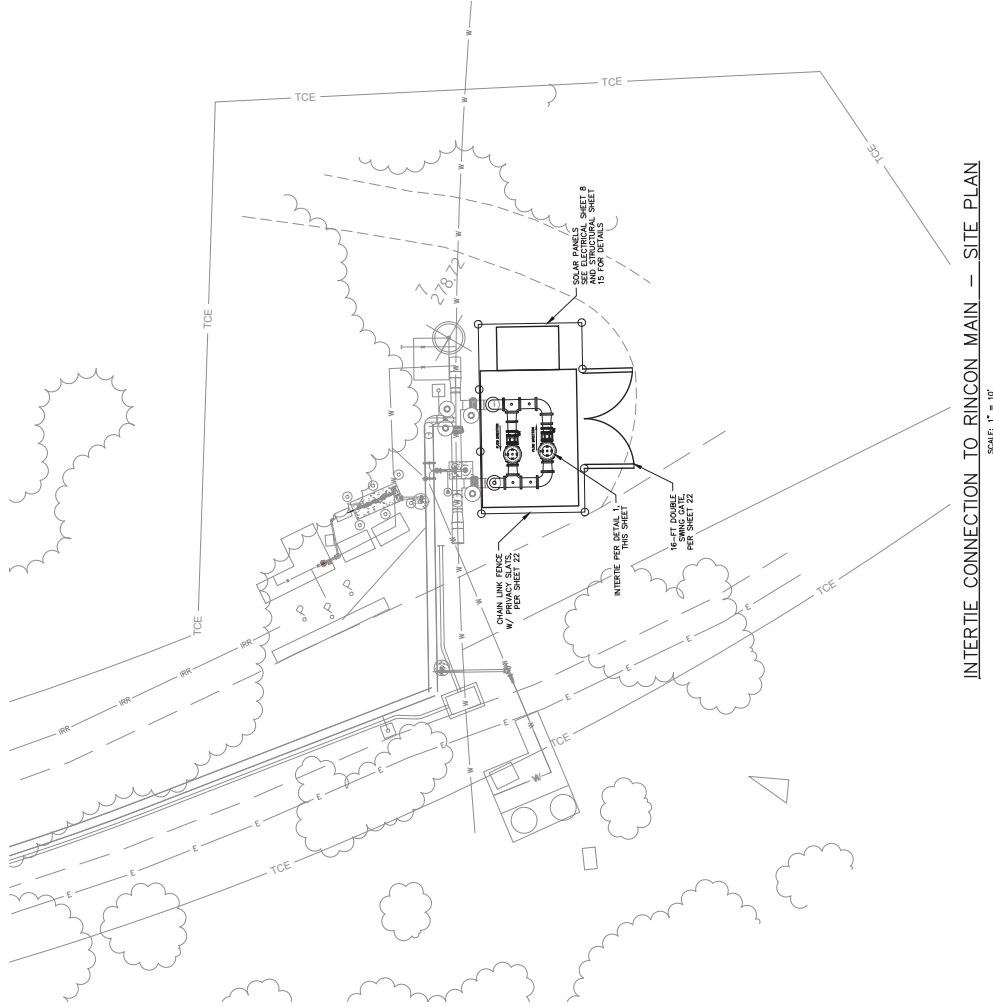
PROJECT NUMBER 22-451	CASITAS MUNICIPAL WATER DISTRICT VENTURA-SANTA BARBARA COUNTIES INTERIE
DRAWING NUMBER C-001	
SHEET NUMBER 2 OF 59	GENERAL NOTES, ABBREVIATIONS, SHEET INDEX

GENERAL NOTES

1. MINIMUM TEST PRESSURE = 250 PSI
2. ALL ABOVE GROUND STEEL PIPE SHALL BE EPOXY COATED (COLOR = BERRY) AND EPOXY COATING SHALL BE 100% SUBMITTAL. ALL ABOVE GROUND STEEL PIPE SHALL BE EPOXY COATED (COLOR = BERRY) AND EPOXY COATING SHALL BE 100% SUBMITTAL. ALL ABOVE GROUND STEEL PIPE SHALL BE EPOXY COATED (COLOR = BERRY) AND EPOXY COATING SHALL BE 100% SUBMITTAL.
3. CHLORIDE RESISTANCE SHALL MEET REGULATORY REQUIREMENTS. NUTS, BOLTS, WASHERS SHALL NOT BE COATED.
4. PIPE END CONNECTIONS SHALL BE AS SHOWN PER PLANS.

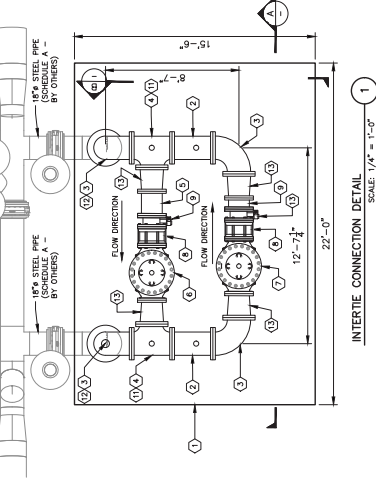
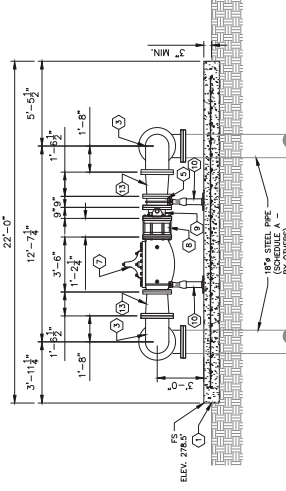
CONSTRUCTION NOTES

1. CONCRETE PAD PER DETAIL 7, THIS SHEET 15
2. INSTALL 18" STEEL PIPE, 800L, OIL & EPOXY COATED, STD. WT., FLG X FLG, WITH 2" WELD-ON-LET AND 2" APOLLO BALL VALVE.
3. 18" STEEL, 90° ELBOW, OIL & EPOXY COATED, STD. WT., FLG X FLG, WITH 2-1/2" THREADED BALL VALVE FOR AIR-VAC.
4. 18"x18" STD. WALL STEEL, TEE, OIL & EPOXY COATED, FLG X FLG, WITH 2-1/2" THREADED BALL VALVE FOR PRESSURE TRANSMITTER.
5. 16" STD. WALL STEEL PIPE, OIL & EPOXY COATED, FLG X FLG.
6. 16" ELECTRONIC CONTROL VALVE, CIA-VAL MODEL 151, WITH PRESSURE TRANSDUCER, 1/2" NPT, 100 PSI, 100% SUBMITTAL. ALTITUDE SHUTOFF AND SOLENOID CONTROL, WITH SINGLE LIMIT SWITCH, SS TUBING, FITTINGS, PILOTS, EPDM RUBBER.
7. 16" CHECK VALVE, CIA VAL MODEL 81-18.
8. 16" RESTRAINED DISMANTLING JOINT WITH TE RODS (ROMAC D400 OR APPROVED EQUAL), CLASS E FLANGES.
9. 16" FLANGED BUTTERFLY VALVE, 250 PSI WMP, WITH NUT ACTUATOR.
10. ADJUSTABLE PIPE SUPPORT PER DETAIL 1, SHEET 54.
11. PRESSURE TRANSMITTER, SEE ELECTRICAL SHEET 8.
12. AIR-VAC (AIR-D-400) WITH BRONZE BALL VALVE, USE A WELD-ON-LET.
13. 18" X 18" STEEL REDUCER, OIL & EPOXY COATED, STD. WT., FLG X FLG.



INTERTIE CONNECTION TO RINCON MAIN - SITE PLAN

SCALE: 1" = 10'



SECTION A-A

SECTION B-B

REV	DATE	BY	DESCRIPTION
A	08/08/24	MM	BASED FOR REVIEW - 60% SUBMITTAL
B	11/08/24	MM	BASED FOR REVIEW - 90% SUBMITTAL
C	01/09/25	MM	BASED FOR REVIEW - 100% SUBMITTAL



DESIGNED	MM/7/24
DRAWN	IF/7/24
CHECKED	MM
QA/QC	EP
CONSTRUCTION	PR/03

PROJECT ENGINEER	CANNON PROJECT NO. 240451
DATE	01/09/2025
PROJECT NUMBER	22-451
DRAWING NUMBER	5-C-001
SHEET NUMBER	7 OF 59

Cannon

100% In-Service Data
Proven Water Control
Proven Flow Automation

SCALE: 1/4" = 1'-0"

INTERTIE CONNECTION TO RINCON MAIN: CIVIL SITE PLAN

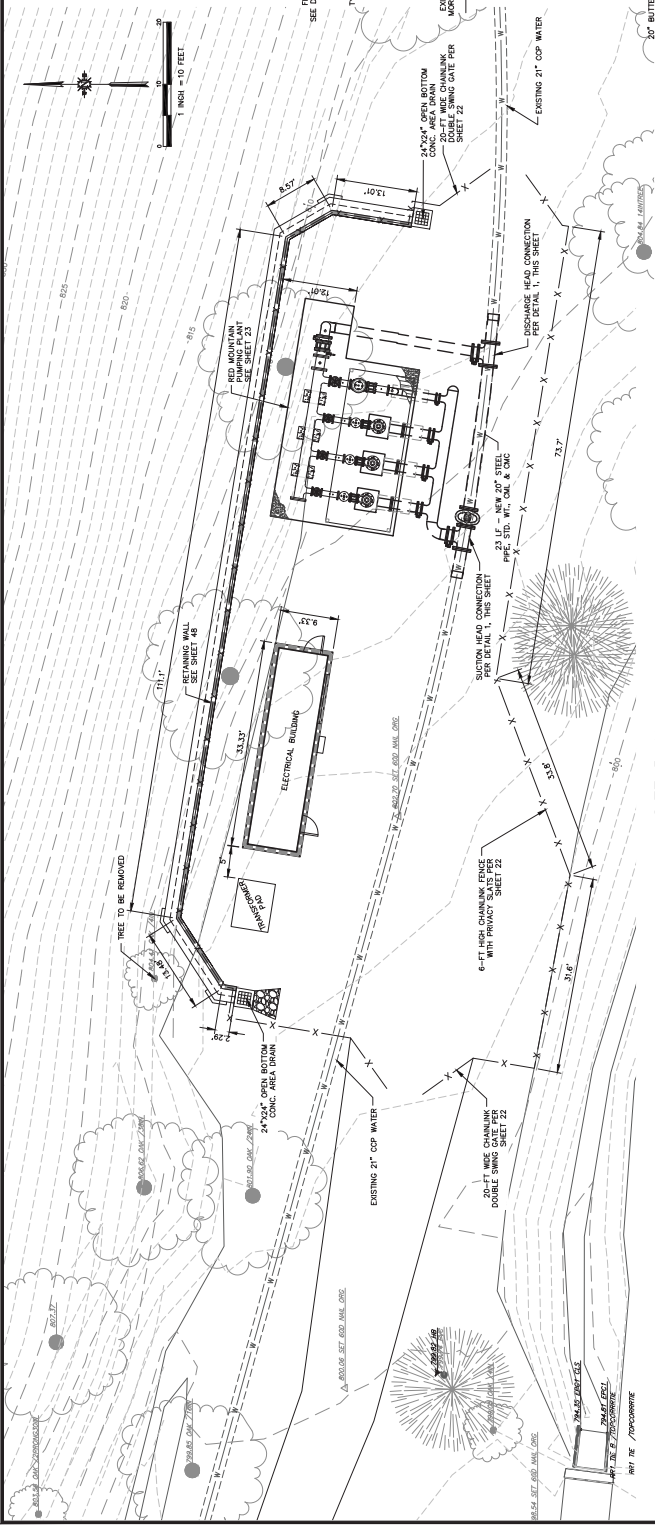
CASITAS MUNICIPAL WATER DISTRICT
VENTURA-SANTA BARBARA COUNTIES INTERTIE



REVISIONS		PROJECT NUMBER 22-451		CASITAS MUNICIPAL WATER DISTRICT VENTURA-SANTA BARBARA COUNTIES INTERIE		PROJECT NUMBER 22-451	
DATE		DRAWING NUMBER 30-C-001		RED MOUNTAIN PUMPING PLANT: CIVIL		DRAWING NUMBER 30-C-001	
BY		SCALE		STAGING PLAN		SHEET NUMBER 16 OF 59	
A 000004		0 1/2 1 2					
B 110004		0 1/2 1 2					
C 110005		0 1/2 1 2					
D 110006		0 1/2 1 2					
E 110007		0 1/2 1 2					
F 110008		0 1/2 1 2					
G 110009		0 1/2 1 2					
H 110010		0 1/2 1 2					
I 110011		0 1/2 1 2					
J 110012		0 1/2 1 2					
K 110013		0 1/2 1 2					
L 110014		0 1/2 1 2					
M 110015		0 1/2 1 2					
N 110016		0 1/2 1 2					
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Q 110019		0 1/2 1 2					
R 110020		0 1/2 1 2					
S 110021		0 1/2 1 2					
T 110022		0 1/2 1 2					
U 110023		0 1/2 1 2					
V 110024		0 1/2 1 2					
W 110025		0 1/2 1 2					
X 110026		0 1/2 1 2					
Y 110027		0 1/2 1 2					
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AA 110029		0 1/2 1 2					
AB 110030		0 1/2 1 2					
AC 110031		0 1/2 1 2					
AD 110032		0 1/2 1 2					
AE 110033		0 1/2 1 2					
AF 110034		0 1/2 1 2					
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AJ 110038		0 1/2 1 2					
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AL 110040		0 1/2 1 2					
AM 110041		0 1/2 1 2					
AN 110042		0 1/2 1 2					
AO 110043		0 1/2 1 2					
AP 110044		0 1/2 1 2					
AQ 110045		0 1/2 1 2					
AR 110046		0 1/2 1 2					
AS 110047		0 1/2 1 2					
AT 110048		0 1/2 1 2					
AU 110049		0 1/2 1 2					
AV 110050		0 1/2 1 2					
AW 110051		0 1/2 1 2					
AX 110052		0 1/2 1 2					
AY 110053		0 1/2 1 2					
AZ 110054		0 1/2 1 2					
BA 110055		0 1/2 1 2					
BB 110056		0 1/2 1 2					
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BD 110058		0 1/2 1 2					
BE 110059		0 1/2 1 2					
BF 110060		0 1/2 1 2					
BG 110061		0 1/2 1 2					
BH 110062		0 1/2 1 2					
BI 110063		0 1/2 1 2					
BJ 110064		0 1/2 1 2					
BK 110065		0 1/2 1 2					
BL 110066		0 1/2 1 2					
BM 110067		0 1/2 1 2					
BN 110068		0 1/2 1 2					
BO 110069		0 1/2 1 2					
BP 110070		0 1/2 1 2					
BQ 110071		0 1/2 1 2					
BR 110072		0 1/2 1 2					
BS 110073		0 1/2 1 2					
BT 110074		0 1/2 1 2					
BU 110075		0 1/2 1 2					
BV 110076		0 1/2 1 2					
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BY 110079		0 1/2 1 2					
BZ 110080		0 1/2 1 2					
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CB 110082		0 1/2 1 2					
CC 110083		0 1/2 1 2					
CD 110084		0 1/2 1 2					
CE 110085		0 1/2 1 2					
CF 110086		0 1/2 1 2					
CG 110087		0 1/2 1 2					
CH 110088		0 1/2 1 2					
CI 110089		0 1/2 1 2					
CJ 110090		0 1/2 1 2					
CK 110091		0 1/2 1 2					
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CR 110098		0 1/2 1 2					
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CT 110100		0 1/2 1 2					
CU 110101		0 1/2 1 2					
CV 110102		0 1/2 1 2					
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CZ 110106		0 1/2 1 2					
DA 110107		0 1/2 1 2					
DB 110108		0 1/2 1 2					
DC 110109		0 1/2 1 2					
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DG 110113		0 1/2 1 2					
DH 110114		0 1/2 1 2					
DI 110115		0 1/2 1 2					
DJ 110116		0 1/2 1 2					
DK 110117		0 1/2 1 2					
DL 110118		0 1/2 1 2					
DM 110119		0 1/2 1 2					
DN 110120		0 1/2 1 2					
DO 110121		0 1/2 1 2					
DP 110122		0 1/2 1 2					
DQ 110123		0 1/2 1 2					
DR 110124		0 1/2 1 2					
DS 110125		0 1/2 1 2					
DT 110126		0 1/2 1 2					
DU 110127		0 1/2 1 2					
DV 110128		0 1/2 1 2					
DW 110129		0 1/2 1 2					
DX 110130		0 1/2 1 2					
DY 110131		0 1/2 1 2					
DZ 110132		0 1/2 1 2					
EA 110133		0 1/2 1 2					
EB 110134		0 1/2 1 2					
EC 110135		0 1/2 1 2					
ED 110136		0 1/2 1 2					
EE 110137		0 1/2 1 2					
EF 110138		0 1/2 1 2					
EG 110139		0 1/2 1 2					
EH 110140		0 1/2 1 2					
EI 110141		0 1/2 1 2					
EJ 110142		0 1/2 1 2					
EK 110143		0 1/2 1 2					
EL 110144		0 1/2 1 2					
EM 110145		0 1/2 1 2					
EN 110146		0 1/2 1 2					
EO 110147		0 1/2 1 2					
EP 110148		0 1/2 1 2					
EQ 110149		0 1/2 1 2					
ER 110150		0 1/2 1 2					
ES 110151		0 1/2 1 2					
ET 110152		0 1/2 1 2					
EU 110153		0 1/2 1 2					
EV 110154		0 1/2 1 2					
EW 110155		0 1/2 1 2					
EX 110156		0 1/2 1 2					
EY 110157		0 1/2 1 2					
EZ 110158		0 1/2 1 2					
FA 110159		0 1/2 1 2					
FB 110160		0 1/2 1 2					
FC 110161		0 1/2 1 2					
FD 110162		0 1/2 1 2					
FE 110163		0 1/2 1 2					
FF 110164		0 1/2 1 2					
FG 110165		0 1/2 1 2					
FH 110166		0 1/2 1 2					
FI 110167		0 1/2 1 2					
FJ 110168		0 1/2 1 2					
FK 110169		0 1/2 1 2					
FL 110170		0 1/2 1 2					
FM 110171		0 1/2 1 2					
FN 110172		0 1/2 1 2					
FO 110173		0 1/2 1 2					
FP 110174		0 1/2 1 2					
FQ 110175		0 1/2 1 2					
FR 110176		0 1/2 1 2					
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GB 110186		0 1/2 1 2					
GC 110187		0 1/2 1 2					
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GE 110189		0 1/2 1 2					
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GI 110193		0 1/2 1 2					
GJ 110194		0 1/2 1 2					
GK 110195		0 1/2 1 2					
GL 110196		0 1/2 1 2					
GM 110197		0 1/2 1 2					
GN 110198		0 1/2 1 2					
GO 110199		0 1/2 1 2					
GP 110200		0 1/2 1 2					
GQ 110201		0 1/2 1 2					
GR 110202		0 1/2 1 2					
GS 110203		0 1/2 1 2					
GT 110204		0 1/2 1 2					
GU 110205		0 1/2 1 2					
GV 110206		0 1/2 1 2					
GW 110207		0 1/2 1 2					
GX 110208		0 1/2 1 2					
GY 110209		0 1/2 1 2					
GZ 110210		0 1/2 1 2					
HA 110211		0 1/2 1 2					
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HC 110213		0 1/2 1 2					
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HQ 110227		0 1/2 1 2					
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HV 110232		0 1/2 1 2					
HW 110233		0 1/2 1 2					
HX 110234		0 1/2 1 2					
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IB 110238		0 1/2 1 2		</			

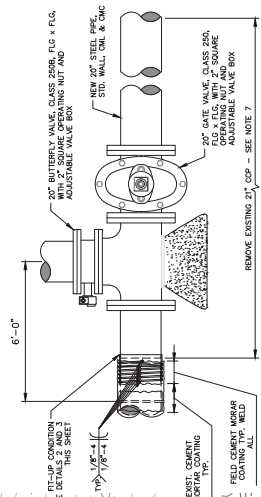
GENERAL NOTES

1. ALL BURIED PIPING SHALL HAVE A MINIMUM COVER OF 48".
2. BACKFILL OF UTILITY TRENCH PER DISTRICT STANDARDS.
3. CONTRACTOR TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING WATER MAIN PRIOR TO INSTALLATION.
4. MARKER BAILS SHALL BE INSTALLED PER THE PROJECT SPECIFICATIONS AND AT THE DIRECTION OF THE DISTRICT INSPECTOR.

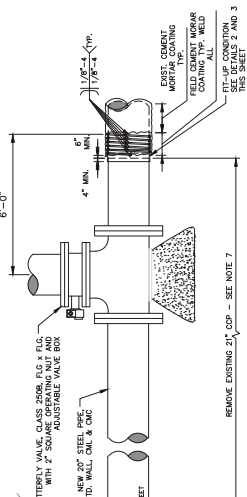


SITE PLAN
SCALE HORIZ. 1" = 10'

SUCTION HEADER CONNECTION



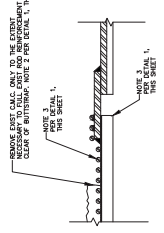
DISCHARGE HEADER CONNECTION



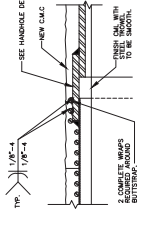
NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, PIPE MATERIALS & LOCATION OF EXISTING PIPE AND JOINTS.
2. OWNER TO PROVIDE DRAINAGE, 2 WEEKS' NOTICE, 24-HOUR MAX.
3. BEFORE CUTTING THE PIPE OR ANY WIRE, THE EXISTING WIRE SHALL BE EXPOSED, CLAMPED AND TIED IN PLACE AND WELDED TO THE EXISTING STEEL PIPE. ALL AROUND THE EXISTING PIPE SHALL BE WELDED TO THE EXISTING STEEL PIPE. ALL AROUND THE EXISTING STEEL PIPE SHALL BE WELDED TO THE EXISTING STEEL PIPE.
4. AFTER COMPLETION OF BUTT-STRAP, WIRE EXTRA AND TIGHTLY AROUND BUTT-STRAP AT ORIGINAL SPACING, WELD AS SHOWN.
5. THE CONTRACTOR SHALL SUBMIT SUPPORTING STRUCTURAL PIPE CALCULATIONS AND SHOP DRAWINGS TO THE DISTRICT ENGINEER FOR REVIEW AND APPROVED PRIOR TO CONSTRUCTION OF THE INTERCONNECTION.
6. THE CONTRACTOR SHALL SUBMIT SUPPORTING STRUCTURAL PIPE CALCULATIONS AND SHOP DRAWINGS TO THE DISTRICT ENGINEER FOR REVIEW AND APPROVED PRIOR TO CONSTRUCTION OF THE INTERCONNECTION.
7. REMOVE AND DISPOSE OF APPROXIMATE 42 1/2' OF 24" CONCRETE CYLINDER PIPE.

BUTT-STRAP FIT-UP CONNECTION



FINAL CONDITION



21" C.C.P. CONNECTION DETAIL

FINAL CONDITION

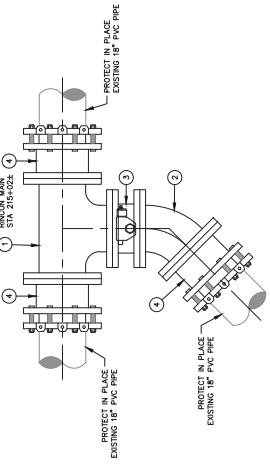
PROJECT NUMBER 22-451		DRAWING NUMBER 30-C-005		SHEET NUMBER 20 OF 59	
PROJECT NAME CASITAS MUNICIPAL WATER DISTRICT VENTURA-SANTA BARBARA COUNTIES INTERF		PROJECT LOCATION RED MOUNTAIN PUMPING PLANT: CIVIL SITE PLAN			
PROJECT ENGINEER CANNON PROJECT NO. 246251 DATE 01/06/2025		PROJECT ENGINEER CANNON PROJECT NO. 246251 DATE 01/06/2025			
DESIGNED MAY/17/10		DRAWN 1/7/10		CHECKED MK	
DATE 01/06/2025		DATE 01/06/2025		DATE 01/06/2025	
CONTRACTOR CANNON PROJECT NO. 246251		CONTRACTOR CANNON PROJECT NO. 246251			
REVISION 1. 01/06/2025 2. 01/06/2025 3. 01/06/2025 4. 01/06/2025 5. 01/06/2025 6. 01/06/2025 7. 01/06/2025 8. 01/06/2025 9. 01/06/2025 10. 01/06/2025 11. 01/06/2025 12. 01/06/2025 13. 01/06/2025 14. 01/06/2025 15. 01/06/2025 16. 01/06/2025 17. 01/06/2025 18. 01/06/2025 19. 01/06/2025 20. 01/06/2025		REVISION 1. 01/06/2025 2. 01/06/2025 3. 01/06/2025 4. 01/06/2025 5. 01/06/2025 6. 01/06/2025 7. 01/06/2025 8. 01/06/2025 9. 01/06/2025 10. 01/06/2025 11. 01/06/2025 12. 01/06/2025 13. 01/06/2025 14. 01/06/2025 15. 01/06/2025 16. 01/06/2025 17. 01/06/2025 18. 01/06/2025 19. 01/06/2025 20. 01/06/2025			

GENERAL NOTES

- 1. MINIMUM TEST PRESSURE = 150 PSI
- 2. ALL BURIED PIPING SHALL HAVE A MINIMUM COVER OF 36" UNLESS OTHERWISE NOTED.
- 3. ALL ABOVE GROUND STEEL PIPE SHALL BE EPOXY COATED (COLOR = RED) AND GALVANIZED. ALL ABOVE GROUND PIPING SHALL BE COATED BE ON SITE DURING COATING, LABELING AND COATINGS SHALL MEET ALL APPLICABLE REQUIREMENTS. NUTS, BOLTS, WASHERS SHALL NOT BE COATED.
- 4. ALL STEEL FLANGES SHALL BE ANWIA CLASS D UNLESS OTHERWISE NOTED.
- 5. ALL COPPER PIPE SHALL HAVE UNIONS BEFORE AND AFTER ALL CONNECTIONS TO ALL EQUIPMENT AND WATER LINES.
- 6. ALL COPPER PIPE SHALL BE TYPE K HARD.
- 7. ALL CONNECTIONS BETWEEN DISSIMILAR METALS SHALL BE MADE WITH DIELECTRIC BUSHINGS OR INSULATING FLANGE KITS.
- 8. ALL DUCTILE IRON PIPE SHALL BE DOUBLE COIL AND POLYETHYLENE WRAPPED. ALL JOINTS SHALL BE REINFORCED.
- 9. ALL PIPING JOINTS MUST BE PROPERLY WRAPPED WITH 4" THICK MIN. OF 2" SACK SLURRY AND SHALL EXTEND 2' BEYOND OUTSIDE EDGE OF BUILDING FOUNDATION PLAN UNLESS OTHERWISE NOTED.
- 10. PIPE END CONNECTIONS SHALL BE AS SHOWN PER PLANS.

CONSTRUCTION NOTES

- 1. INSTALL 18" DI TEE, FLOFLG
- 2. INSTALL 18" 45° DI BEND, FLOFLG
- 3. INSTALL 18" BUTTERFLY VALVE, FLOFLG (CL 150)
- 4. INSTALL 18" RESTRAINED FLANGED COUPLING ADAPTER.



CHLORINATION VENT BYPASS DETAIL
SHEET 52

1



GENERAL NOTES

1. MINIMUM TEST PRESSURE = 150 PSI
2. ALL BURIED PIPING SHALL HAVE A MINIMUM COVER OF 42" UNLESS OTHERWISE NOTED PER CASITAS STANDARD DRAWING SD-101.
3. ALL ABOVE GROUND STEEL PIPE AND FITTINGS SHALL BE STD. WT. COVING SHALL BE 10' MINIMUM. BATTERY AND CUMULATIVE MARKING AND COATINGS SHALL MEET REGULATORY REQUIREMENTS. NUTS, BOLTS, WAGERS SHALL NOT BE COATED.
4. ALL ABOVE GROUND STEEL PIPE AND FITTINGS SHALL BE STD. WT. CEMENT MORTAR LINED AND COATED.
5. ALL STEEL FLANGES SHALL BE ANWIA CLASS D UNLESS OTHERWISE NOTED.
6. PIPE END CONNECTIONS SHALL BE AS SHOWN PER PLANS.

CONSTRUCTION NOTES

1. INSTALL 20" STEEL PIPE, FLOWPE, STD. WT.
2. INSTALL 20" STEEL PIPE, FLOWPE, STD. WT.
3. INSTALL 20" 90° STEEL BEND, FLOWPE
4. INSTALL 20" 45° STEEL BEND, FLOWPE
5. INSTALL 20" STEEL TEE, FLOWPE
6. INSTALL 20" BUTTERFLY VALVE WITH HANDWHEEL AND POSITION INDICATOR, FLOWPE
7. INSTALL 20" CHECK VALVE, CIA VAL MODEL 81-18
8. INSTALL BUTT STRAP PER DETAILS 4, 5, AND 6, SHEET 21
9. REMOVE EXISTING VALVE AND INSTALL NEW 18" BUTTERFLY VALVE WITH HANDWHEEL AND POSITION INDICATOR, FLOWPE
10. INSTALL 20" RESTRAINED DISMANTLING JOINT WITH TIE RODS (ROMAC D4400 OR APPROVED EQUAL)
12. INSTALL CMU RETAINING WALL PER DETAIL 2, SHEET 54

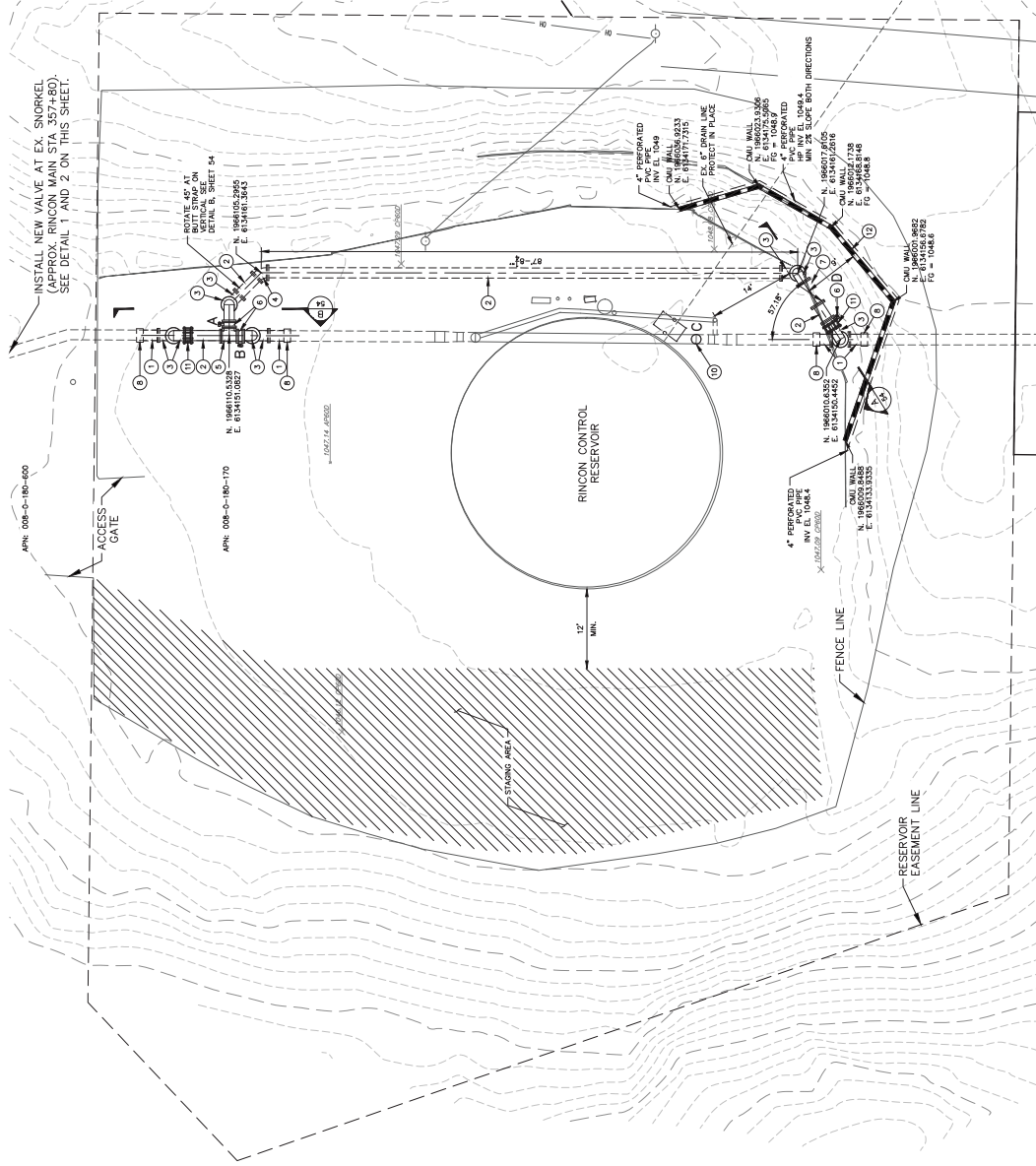


SNORKEL VALVE INSTALL DETAIL
RINCON MAIN STA 357+80.2
1 N.T.S.



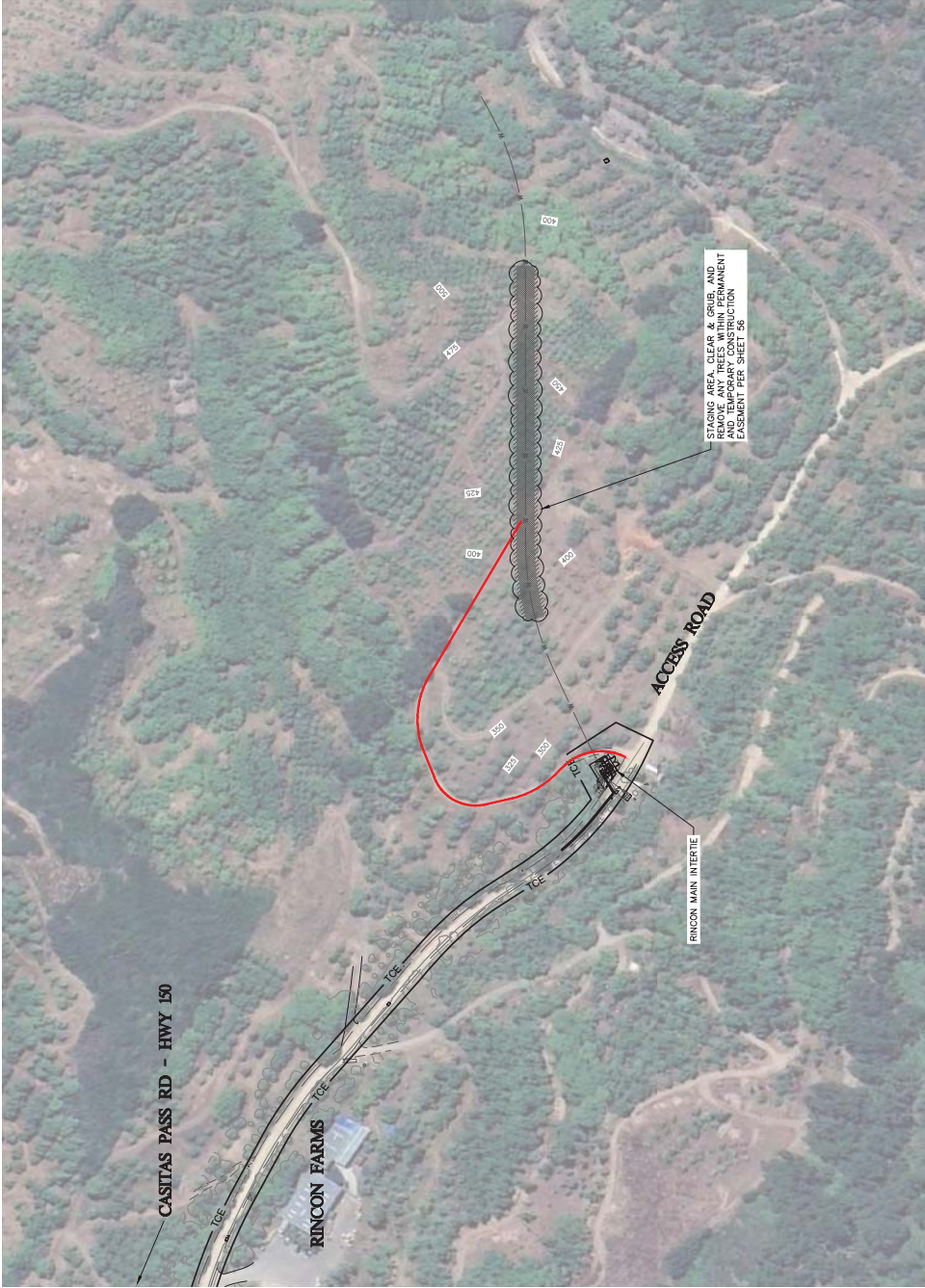
NOTES:
1. CONTRACTOR TO VIDEO AND PHOTO EXISTING ACCESS ROAD PRIOR TO COMMENCEMENT OF CONSTRUCTION
2. ADD SHUTDOWN SEQUENCINGS

CONTROL RESERVOIR - SITE ACCESS PLAN
N.T.S. 2

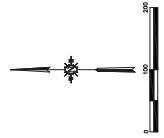


SITE PLAN - PLAN VIEW
SCALE: 1" = 10'

		CASITAS MUNICIPAL WATER DISTRICT VENTURA-SANTA BARBARA COUNTIES INTERIE		PROJECT NUMBER 22-451
		RINCON CONTROL RESERVOIR: CIVIL SITE PLAN		DRAWING NUMBER 10-C-002
PROJECT ENGINEER RILEY H. H. BOYD DATE 01/02/2025		PROJECT ENGINEER CANON PROJECTING INC. 246451 DATE 01/02/2025		SHEET NUMBER 53 OF 59
DESIGNED MM/7/7C	DRAWN IF/7C	SCALE 1 INCH = 10 FEET		
CHECKED MK	QA/QC EP	CONSTRUCTION: P/V/C/S		
REVISION A. BASED FOR REVIEW - 60% SUBMITTAL B. BASED FOR REVIEW - 100% SUBMITTAL C. BASED FOR REVIEW - 100% SUBMITTAL	DATE 11/08/24 11/08/24 11/08/24	BY MK MK MK	DESCRIPTION BASED FOR REVIEW - 60% SUBMITTAL BASED FOR REVIEW - 100% SUBMITTAL BASED FOR REVIEW - 100% SUBMITTAL	



DEMOLITION & STAGING PLAN
SCALE: 1" = 100'



REVISION		DESCRIPTION		DATE		BY	
A	08/06/24	MAK	BASED FOR REVIEW - 60% SUBMITTAL				
B	11/06/24	MAK	BASED FOR REVIEW - 90% SUBMITTAL				
C	01/06/25	MAK	BASED FOR REVIEW - 100% SUBMITTAL				

DESIGNED: MW/PTC	PROJECT ENGINEER: RICE/PTC	CANNON PROJECT NO. 240451	DATE: 01/06/2025
DRAWN: TF/PTC	CHECKED: MK	PROJECT NO. 150	DATE: 01/06/2025
QA/QC: EP	CONSTRUCTION: P/PCS		

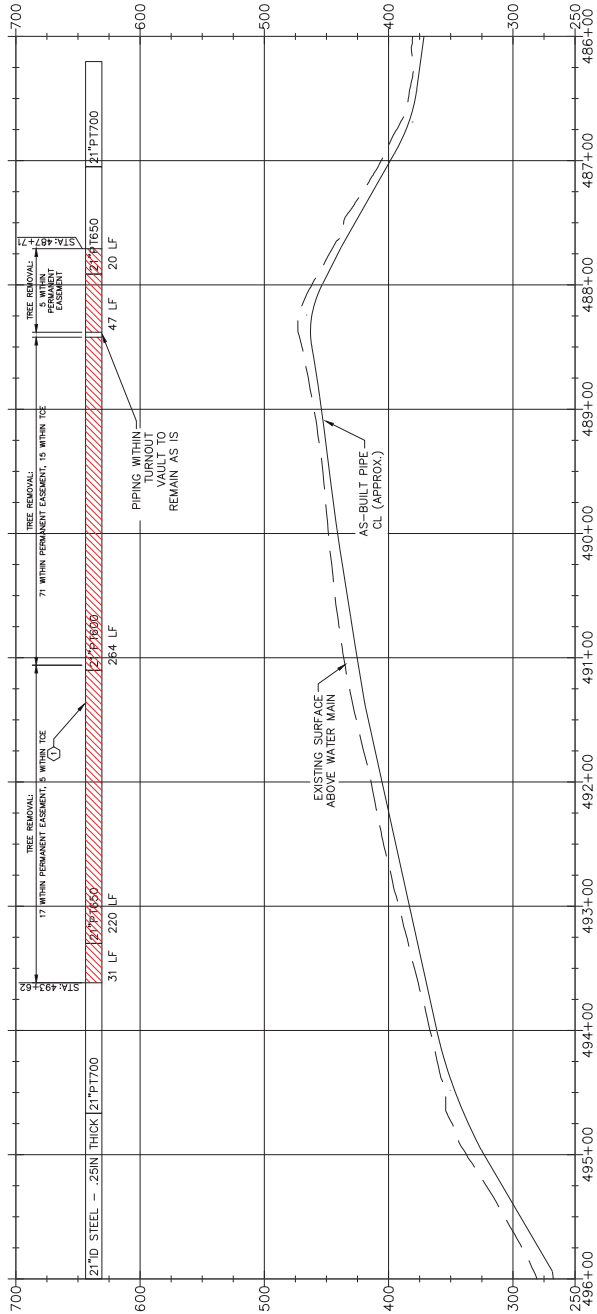
CASITAS MUNICIPAL WATER DISTRICT VENTURA-SANTA BARBARA COUNTIES INTERTE		PROJECT NUMBER 22-451	1 INCH = 100 FEET
RINCON MAIN IMPROVEMENTS: CIVIL		DRAWING NUMBER 10-C-004	
DEMOLITION & STAGING PLAN		SHEET NUMBER 55 OF 59	

1001 La Avenida Drive
Brea, CA 92603
Phone: 949.440.0000



INTERTIE IMPROVEMENTS — PLAN VIEW

SCALE: 1" = 50'



INTERTIE IMPROVEMENTS — PROFILE VIEW

SCALE: HORIZ 1" = 50'; VERT 1" = 50'

GENERAL NOTES

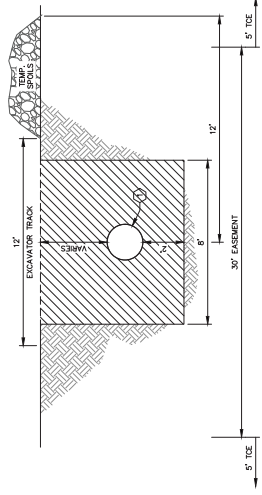
1. LIDAR SURFACE CONTOURS OBTAINED FROM NOAA 2018 DATA.
2. VERTICAL DATUM ADJUSTED FROM NAVD83 (+2.6148') FROM CASITAS MUNICIPAL WATER DISTRICT (CMWD) AND WATERWORKS DEPARTMENT TO THE NATIONAL DATUM AND BOOSTER PUMP STATIONS TECH MEMO 42 DATED 7/18/2023.
3. RINCON MAIN GEOMETRY REGENERATED FROM AS-BUILT DRAWINGS FROM CMWD AS WELL AS REFERENCE FROM EXISTING FEATURES, AERIAL IMAGERY, AND NOAA LIDAR CONTOURS. PIPE CENTERLINE AND DEPTH HAS NOT BEEN SURVEYED, PHOTOLOGED, OR VERIFIED.
4. NUMEROUS 3" AND SMALLER IRRIGATION LINES ARE BURIED WITHIN THE WORK AREA. CONTRACTOR SHALL RELOCATE IRRIGATION LINES AROUND THE WORK SITE AS NECESSARY, AND REPLACE ANY PIPES DAMAGED DURING CONSTRUCTION.
5. ALL TRENCH BACKFILL AND RESTORATION SHALL CONFORM TO CASITAS MUNICIPAL WATER DISTRICT STANDARD DRAWING SD-101.
6. STATIONING SHOWN IS BASED ON THE RINCON MAIN PLANS. STATIONING IS NOT TO BE USED FOR ANY OTHER PURPOSES. BUREAU OF RECLAMATION, VENTURA RIVER PROJECT-CALIFORNIA.

CONSTRUCTION NOTES

1. INSTALL TRP PIPE WRAP WITH TYO SW-15 EPOXY PER MANUFACTURER'S RECOMMENDATIONS
2. REMOVE EXISTING AVOCADO TREES WITHIN PERMANENT EASEMENT (20').
3. AND TEMPORARY CONSTRUCTION EASEMENT (20').

LEGEND

- PERMANENT EASEMENT
- TEMPORARY CONSTRUCTION EASEMENT (TCE)



LOCATION 1 — TRENCH PIPE REPLACEMENT DETAIL
N.T.S.

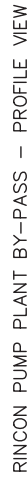
CASITAS Municipal Water District				DESCRIPTION		DESIGNED: MW/PTC		CASTAS MUNICIPAL WATER DISTRICT VENTURA-SANTA BARBARA COUNTIES INTERTIE		PROJECT NUMBER 22-451	
REV DATE BY				SUBMITTAL		DATE		DRAWING NUMBER 10-PP-001		SHEET NUMBER 56 OF 59	
A 000000				SUBMITTAL		DATE		RINCON MAIN IMPROVEMENTS: CIVIL			
B 11/08/04				SUBMITTAL		DATE		INTERTIE IMPROVEMENTS			
C 10/08/05				SUBMITTAL		DATE					

1. WORKING WATER PRESSURE MINIMUM SUCTION 100 PSI, NORMAL OPERATING DISCHARGE PRESSURE=400 PSI

4. ALL BURNED PIPING SHALL HAVE A MINIMUM COVER OF 4" UNLESS OTHERWISE NOTED PER CASTAS DRAWING SD-101.
5. ALL ABOVE GROUND STEEL PIPE SHALL BE EPOXY COATED COLOR-BARRIER (FOR POEABLE) AND GHEM TIGHT LINE COATING (FOR NON-POEABLE). ALL COATINGS SHALL MEET REGULATORY REQUIREMENTS. NUTS, BOLTS, WASHERS SHALL NOT BE COATED.
6. ALL STEEL FLANGES ON DISCHARGE SIDE SHALL BE ASME CLASS 2 AND ALL STEEL FLANGES IN BURNER SIDE SHALL BE ASME CLASS 3
7. ALL CONNECTIONS BETWEEN DISSIPABLE METALS SHALL BE MADE WITH ELECTRIC BURNINGS OR INSULATING FLANGE KITS.
8. ALL DUCTILE IRON FITTINGS SHALL BE DOUBLE OIL AND POLYETHYLENE WELDED. ALL JOINTS SHALL BE REWELDED.
9. PIPE END CONNECTIONS SHALL BE AS SHOW PAPER.
10. POTABLE WATER PIPING SHALL HAVE "POTABLE WATER" STENCILED ON PIPES.
11. POTABLE WATER CONNECTIONS SHALL BE TO DISCHARGE OF WATER TREATMENT POTABLE CONSUMPTION.

① INSTALL 18" STEEL PIPE, STD. WT.

- 1 INSTALL 18" STEEL PIPE, STD. WT.
- 2 INSTALL 18" 45° STEEL BEND, FLO/UG
- 3 INSTALL 18" BUTTERFLY VALVE, FLO/UG, WAFER STYLE, CLASS 300
- 4 INSTALL 18" TRANSITION COUPLING
- 5 INSTALL 18" PRESSURE REDUCING VALVE, CLASS 300
- 6 INSTALL 18" 45° DUCTILE IRON BEND, T/OAM, WITH RESTRAINTS
- 7 INSTALL CONNECTION PER DETAIL 1, SHEET 59
- 8 INSTALL 18" C900 DR18 PVC PIPE
- 9 INSTALL 18" 45° DUCTILE IRON BEND, M/MAL, WITH RESTRAINTS
- 10 INSTALL 18" FLANGE COUPLING ADAPTER
- 11 INSTALL ADJUSTABLE PIPE SUPPORT PER DETAIL 1, SHEET 54
- 12 REMOVE EXISTING VENTURI METER AND REPLACE WITH NEW MAGNETIC FLOW METER PER SPECIFICATIONS AND STEEL SPOOL
- 13 INSTALL 18" STEEL IRON TEE, FLO/UG
- 14 INSTALL BUTT STRAP PER DETAILS 4, 5, AND 6, SHEET 21



SCALE: HORIZ 1"=10'; VERT 1"=5'

VALVE	FLOW DIRECTION	VALVE POSITION
A	CARD TO CYMO	OPEN
	CYMO TO CARD	CLOSED
B	CARD TO CYMO	CLOSED
	CYMO TO CARD	OPEN
C	CARD TO CYMO	OPEN
	CYMO TO CARD	CLOSED
D	CARD TO CYMO	CLOSED
	CYMO TO CARD	OPEN



REV#	DATE	BY	DESCRIPTION
A	09/05/06	SKK	ISSUED FOR REVIEW - 60% SUBMITTAL
B	11/05/06	SKK	ISSUED FOR REVIEW - 90% SUBMITTAL
C	11/05/06	SKK	ISSUED FOR REVIEW - 100% SUBMITTAL



CASTAS
Municipal Water District

DESIGNED: MK/TF/TC	PROJECT ENGINEER: CANNON PROJECT NO. 246431
DRAWN: TF/TC	R.C.E. 10112 DATE: 09/30/2006
CHECKED: MK	CONSTRUCTIBILITY: PR/JOZ
SAUC: EP	



Cannon
10000 Lakeshore Drive
Suite 100
P.O. Box 107 P.O. 50303-0107

DESIGNED: MK/TF/TC

DRAWN: TF/TC

CHECKED: MK

SAUC: EP

PROJECT ENGINEER: CANNON PROJECT NO. 246431

R.C.E. 10112 DATE: 09/30/2006

CONSTRUCTIBILITY: PR/JOZ

THIS DRAWING IS A FULL SCALE ACCORDING TO THE SCALE INDICATED ON THE DRAWING.

SCALE: 1" = 4'-0" FEET

PROJECT NUMBER: 246431

DRAWING NUMBER: 10-PP-003

SHEET NUMBER: 58 OF 59

CASTAS MUNICIPAL WATER DISTRICT
VENTURURA BARRIO, COAHUILA DE ZARAGOZA

RINCON PUMP PLANT BY-PASS:
CIVIL

PLAN AND PROFILE



Appendix B

IS/MND Mitigation Monitoring and Reporting Program

Mitigation Monitoring and Reporting Program

This document is the Mitigation Monitoring and Reporting Program (MMRP) for the Ventura-Santa Barbara Counties Intertie (proposed project) proposed by the Casitas Municipal Water District (Casitas). CEQA requires a reporting or monitoring program be adopted for the conditions of project approval which are necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). This mitigation monitoring and reporting program is designed to ensure compliance with adopted mitigation measures during project implementation. For each mitigation measure recommended in the Final Initial Study-Mitigated Negative Declaration (Final IS-MND), specifications are made herein which identify the action required and the monitoring which must occur, and the agency or department responsible for oversight.

In addition to ensuring implementation of mitigation measures, the MMRP provides feedback to agency staff and decision-makers during project implementation, and identifies the need for enforcement action before irreversible environmental damage occurs.

The following table identifies each mitigation measure included in the Final IS-MND, the action required for the measure to be implemented, the time at which the monitoring is to occur, the monitoring frequency, and the agency or party responsible for ensuring the monitoring is performed. In addition, the table includes columns for compliance verification. These columns will be filled out by the monitoring agency or party and will document monitoring compliance. Where an impact was identified to be less than significant, no mitigation measures were required.

Mitigation Measure/Condition of Approval		Compliance Verification			
Air Quality		Action Required	Monitoring Timing	Responsible Agency	Initial Date Comments
AQ-1: NO_x Construction Reduction Measures					
Pursuant to Ventura County Air Pollution Control District Guidelines, when construction emissions exceed 25 pounds per day for NO _x , the following measures shall be implemented:		Include NO _x reduction measures in construction contractor specifications, as applicable.	Prior to the issuance of construction bid documents (for each construction phase)	Casitas Municipal Water District	
- Casitas shall ensure all on-site vehicles and equipment with 50 horsepower or more shall meet, at a minimum, United States Environmental Protection Agency (USEPA) Tier IV final engine certification requirements. If Tier IV final equipment is not available, the contractor may apply other technologies available for construction equipment which would achieve a reduction in NO_x (as well as PM) emissions comparable to Tier IV final construction equipment. Where alternatives to USEPA Tier IV are utilized, the contractor shall be required to provide evidence these alternative technologies would achieve comparable emissions reductions. Certifications or alternative reduction strategies shall be required prior to receiving a construction permit. - Minimize equipment idling time. - Maintain equipment engines in good condition and in proper tune as per manufacturers' specifications. - Lengthen the construction period during smog season (May through October) to minimize the number of vehicles and equipment operating at the same time. - Use alternatively fueled construction equipment, such as compressed natural gas, liquefied natural gas, or electric, if feasible.		Confirm NO _x reductions are identified on project plans.	Prior to the start of construction (for each construction phase)	Casitas Municipal Water District	
		Verify compliance through field visits at the beginning of each construction phase.	At the start of each construction phase	Casitas Municipal Water District	

Mitigation Measure/Condition of Approval		Compliance Verification		
Biological Resources		Action Required	Monitoring Timing	Responsible Agency
Initial		Date	Comments	
BIO-1: Worker Environmental Awareness Program				
Prior to initiation of all construction activities (including staging and mobilization), all personnel associated with project construction shall attend a Worker Environmental Awareness Program (WEAP) training conducted by a qualified biologist and arborist to assist workers in recognizing special status biological resources which may occur in the BSA. The training shall include information about nesting birds and the special status species potentially occurring in the BSA. The specifics of this program shall include identification of special status species and habitats, a description of the regulatory status and general ecological characteristics of special status resources, and review of the limits of construction and measures required to avoid and minimize impacts to biological resources within the work area. The arborist shall instruct the contractors on tree protection practices. This training shall include information on the location and marking of protected trees, the necessity of preventing damage, and the discussion of work practices. A fact sheet conveying this information shall also be prepared for distribution to all contractors, their employees, and other personnel involved with construction of the project. All employees shall sign a form provided by the trainer documenting they have attended the WEAP and understand the information presented to them. The crew foreperson shall be responsible for ensuring crew members adhere to the guidelines and restrictions designed to avoid impacts to special status species. If new construction personnel are added to the project, the crew foreman shall confirm new personnel receive the WEAP training before starting work. The subsequent training of personnel can include video of the initial training and/or the use of written materials rather than in-person training by a biologist.		Retain a qualified biologist and arborist to conduct WEAP training.	Prior to initiation of all construction activities (including staging and mobilization)	Casitas Municipal Water District

Casitas Municipal Water District
Ventura-Santa Barbara Counties Interlie Project

Mitigation Measure/Condition of Approval		Compliance Verification			
		Action Required	Monitoring Timing	Responsible Agency	Initial Date Comments
BIO-2: Wildlife Avoidance During Construction					
The following measures shall be adhered to during project construction: ▪ Parking, driving, lay-down, stockpiling, and vehicle and equipment storage shall be limited to previously compacted and developed areas. ▪ No off-road vehicle use shall be permitted beyond the project site and designated access routes. ▪ Disturbances to adjacent native vegetation shall be minimized. ▪ The contractor shall clearly delineate the construction limits and prohibit any construction-related traffic outside those boundaries. ▪ Project-related vehicles shall observe a 10-mile-per-hour speed limit within the unpaved limits of construction. ▪ All open trenches or excavations shall be fenced and/or sloped to prevent entrapment of wildlife species. ▪ All food-related trash shall be disposed of in closed containers and removed from the project site at the end of each day. Construction personnel shall not feed or otherwise attract wildlife to the construction area. ▪ At project completion, all project-generated debris, vehicles, building materials, and rubbish shall be removed from the project site. ▪ No construction worker pets shall be allowed on the project site. ▪ No firearms shall be allowed on the project site. ▪ If vehicle or equipment maintenance is necessary, it shall be performed in designated staging areas. ▪ If construction must occur at night (between dusk and dawn), all lighting shall be shielded and directed downward to minimize the potential for glare or spillover		Verify through periodic site visits that construction boundaries are delineated through fencing, site speed limits are clearly posted, excavations and trenches are appropriately fenced, adherence to trash disposal and refuse management measures are being practiced, BMPs for pollutant management are in place, and construction lighting is shielded. Include measures in construction contractor specifications, as applicable.	Periodically during construction activities	Casitas Municipal Water District	
		Field verify removal of all debris, vehicles, building materials, and rubbish from project footprint upon project completion.	Upon completion of construction	Casitas Municipal Water District	

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
onto adjacent properties and to reduce impacts on local wildlife. During construction, heavy equipment shall be operated in accordance with standard construction best management practices (BMPs). All equipment used on site shall be properly maintained to avoid leaks of oil, fuel, or residues. Provisions shall be in place to remediate any accidental spills immediately.					
BIO-3: Preconstruction Nesting Bird Surveys					
To avoid disturbance of nesting and special status birds, including raptor species, protected by the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code (CFG), activities related to the project including, but not limited to, vegetation removal, ground disturbance, and construction and demolition shall occur outside the bird breeding season for migratory birds (January 1 through September 15), if practicable. If construction must begin during the breeding season, a preconstruction nesting bird survey shall be conducted no more than three days prior to initiation of ground disturbance and/or vegetation removal activities. The preconstruction nesting bird survey shall be conducted on foot within the project footprint plus a 300-foot buffer. Inaccessible areas (e.g., private lands) shall be surveyed from afar using binoculars to the extent practicable. The survey shall be conducted by a biologist familiar with the identification of avian species known to occur in southern California coastal communities. If active nests are found, an avoidance buffer (dependent upon the species, the proposed work activity, and existing disturbances associated with land uses outside of the site) shall be determined and demarcated by the biologist with bright orange construction fencing, flagging,	Schedule all initial ground disturbing activities, including vegetation removal, for the time period between September 15 and January 1, if practicable. If construction will begin during the breeding season, retain a qualified biologist to conduct a pre-construction nesting bird survey. If active nests are located, implement avoidance buffer requirements. If active nests are located, field verify	Prior to the start of construction No more than 3 days prior to initiation of ground disturbance and/or vegetation removal activities, as needed During construction activities, until the adults and young nesting birds are no longer reliant on the nest site During construction activities, periodically	Casitas Municipal Water District Casitas Municipal Water District Casitas Municipal Water District Casitas Municipal Water District		

Casitas Municipal Water District
Ventura-Santa Barbara Counties Interlie Project

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
construction lathe, or other means to mark the boundary. All construction personnel shall be notified as to the existence of the buffer zone and to avoid entering the buffer zone during the nesting season. No ground-disturbing activities shall occur inside this buffer until the avian biologist has confirmed breeding/nesting is completed and the young have fledged the nest, or the nest has failed. Encroachment into the buffer shall occur only at the discretion of the qualified biologist.	compliance with avoidance buffers. If active nests are located, retain a qualified biologist to confirm when breeding/nesting is completed and young have fledged the nest.	During construction activities and prior to the removal of avoidance buffers, as needed.	Casitas Municipal Water District		
BIO-4: Sensitive Habitat Fencing					
Prior to project mobilization where the project is adjacent to sensitive natural communities, temporary construction fencing shall be erected by the contractor at the edge of the temporary construction easement to avoid unanticipated impacts to the habitat throughout the duration of construction.	Implement sensitive habitat fencing requirements. Verify through field visits that sensitive natural communities are fenced.	Prior to and during construction Periodically during construction	Casitas Municipal Water District Casitas Municipal Water District		
BIO-5: Sensitive Vegetation Community Compensation					
Impacts to sensitive vegetation communities shall be avoided to the greatest extent feasible. Depending on final project design, sensitive vegetation community compensation mitigation may be required by California Department of Fish and Wildlife (CDFW). Mitigation for unavoidable impacts to sensitive vegetation communities can be accomplished either through on-site restoration, off-site restoration, or purchase of credits through an approved Mitigation Bank or through applicant sponsored mitigation (e.g., purchase and/or dedication of land for mitigation). If required, compensatory mitigation for unavoidable impacts to sensitive vegetation communities shall be accomplished at a minimum ratio of 1:1; however, the final ratio shall be determined and approved by CDFW prior to commencement of construction. If on- or off-site restoration would occur, a Restoration Plan	Review project construction plans to verify that construction and staging areas are located outside of sensitive vegetation communities as identified in project Biological Resources Report. Coordinate with CDFW for compensatory mitigation, if required.	Prior to commencement of construction activities Prior to commencement of construction activities	Casitas Municipal Water District; CDFW (if applicable) Casitas Municipal Water District; CDFW (if applicable)		

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
shall be prepared and submitted for approval by CDFW prior to initiating impacts. At minimum, the Restoration Plan shall include the following: ▪ A description of the purpose and goals of the restoration ▪ Identification of success criteria and performance standards ▪ Methods of site preparation ▪ Irrigation plan and schedule ▪ BMPs ▪ Maintenance and monitoring program ▪ Adaptive management strategies ▪ Key stakeholders and responsible parties ▪ Funding ▪ Contingencies					
BIO-6: Jurisdictional Waters Avoidance and Minimization					
The following measures shall be implemented during project construction: ▪ Prior to project mobilization, all limits of construction work within Casitas Creek and the unnamed drainage shall be clearly delineated with orange construction fencing or similar highly visible material and maintained throughout the duration of construction. ▪ Areas of temporary disturbance shall be minimized to the extent practicable. Staging and laydown areas shall be limited to sites which are unvegetated and/or previously disturbed, and outside jurisdictional aquatic features. ▪ Materials shall be stored on impervious surfaces or plastic ground covers to prevent spills or leakage. Material storage and material/spoils from project activities shall be located and stored at least 50 feet from jurisdictional aquatic features. Construction materials and spoils shall be protected from stormwater runoff using temporary	Review construction plans to verify staging areas are located in previously disturbed, unvegetated areas and construction disturbance footprint is minimized to the extent feasible. Verify through initial site visit and periodic site visits construction limits delineated with high-visibility temporary fencing, materials are properly stored, equipment is in good	Prior to initiation of construction Periodically during construction	Casitas Municipal Water District Casitas Municipal Water District		

Casitas Municipal Water District
Ventura-Santa Barbara Counties Interlie Project

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
- perimeter sediment barriers such as berms, silt fences, fiber rolls, covers, sand/gravel bags, and straw bale barriers, as appropriate. - Prevent the discharge of silt or pollutants off the site when working adjacent to potentially jurisdictional waters. Install BMPs (i.e., silt barriers, sand bags, straw bales) as appropriate. - Prevent the off-site tracking of loose construction and landscape materials by implementing street sweeping, vacuuming, and rumble plates, as appropriate. - Site washout areas shall be at least 100 feet from a storm drain, open ditch, or surface water and prevent runoff flows from such activities from entering receiving water bodies. - All vehicles and equipment shall be in good working condition and free of leaks. The contractor shall prevent oil, petroleum products, or any other pollutants from contaminating the soil or entering a watercourse (dry or otherwise). When vehicles or equipment are stationary, mats, or drip pans shall be placed below vehicles to contain fluid leaks. - All re-fueling, cleaning, and maintenance of equipment shall occur at least 100 feet from potentially jurisdictional waters. - Any spillage of material shall be stopped if it can be done safely. The contaminated area shall be cleaned, and any contaminated materials properly disposed. For all spills, the project foreperson or other designated liaison shall notify Casitas immediately. - Adequate spill prevention and response equipment shall be maintained on site and readily available to implement to minimize impacts to the aquatic and marine environments.	working condition, and pollution prevention BMPs are implemented as specified in the mitigation measure.				

Mitigation Measure/Condition of Approval		Action Required		Monitoring Timing	Responsible Agency	Initial	Date	Comments
BIO-7: Compensatory Mitigation for Jurisdictional Waters Impacts								
The following measures shall be implemented to mitigate impacts to jurisdictional wetlands/ waters:		Coordinate with USACE, RWQCB, and/or CDFW to obtain permits for impacts to jurisdictional waters, determine mitigation requirements, and implement an approved HMMP.		Coordination and permit approval to be completed prior to the initiation of construction activities affecting jurisdictional waters	Casitas Municipal Water District; USACE; RWQCB; CDFW			
Permits for the proposed impacts to jurisdictional waters shall be obtained prior to initiating impacts. The discharge of fill into United States Army Corps of Engineers (USACE) jurisdictional areas will require a permit pursuant to Section 404 of the Clean Water Act and a 401 Certification from the Regional Water Quality Control Board (RWQCB), and any modification to a streambed, including removal of riparian vegetation, will require a Streambed Alteration Agreement from CDFW pursuant to Section 1600 of the CFGC. The project shall comply with the mitigation required in accordance with the Streambed Alteration Agreement and the 401 and 404 permits.								
Impacts associated with disturbed areas within regulated waters shall be mitigated in-kind at a ratio of at least 1:1. It should be noted the final mitigation ratios required by the regulatory agencies during the permitting process may differ, but shall be confirmed prior to the initiation of applicable construction activities.								
- A Habitat Mitigation and Monitoring Plan (HMMP) shall be prepared by a qualified biologist/restoration ecologist to restore jurisdictional waters and/or CDFW sensitive plant communities temporarily impacted by the project. The HMMP shall address the restoration of temporarily disturbed habitat. At a minimum, the HMMP shall include the following: - A description of the jurisdictional waters, sensitive plant communities, riparian habitat, and/or environmentally sensitive habitat areas (ESHA) type(s) and amount(s) which will be provided by the mitigation and how the mitigation method (i.e.,								

Casitas Municipal Water District
Ventura-Santa Barbara Counties Interlie Project

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
restoration, establishment, enhancement, and preservation) will achieve the mitigation project goals ▫ A plant palette and methods of salvaging, propagating, and seeding/planting the site to be restored ▫ Methods of soil preparation ▫ Maintenance and monitoring necessary to confirm the restored plant communities meet the success criteria ▫ Schedule for restoration activities including weed abatement, propagation and planting, soil preparation, erosion control, qualitative and quantitative monitoring, and reporting ▫ Identification of measurable performance standards for each objective to evaluate the success of the compensatory mitigation ▫ Identification of contingency and adaptive management measures to address unforeseen changes in site conditions or other components of the mitigation project ▫ Compensatory mitigation for permanent impacts to jurisdictional waters can be accomplished either through purchase of credits through an approved Mitigation Bank or through applicant sponsored mitigation (e.g., purchase and/or dedication of land for mitigation). Compensatory mitigation shall be determined and approved by CDFW, USACE, and RWQCB prior to impacting state of federally regulated waters. If on-site or off-site restoration would occur, a Restoration Plan shall be prepared and submitted for approval by CDFW, USACE, and RWQCB prior to initiating impacts. At minimum, the Restoration Plan shall include the following: ▫ A description of the purpose and goals of the restoration ▫ Identification of success criteria and performance standards					

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
▫ Methods of site preparation ▫ Irrigation plan and schedule ▫ Best Management Practices (BMPs) ▫ Maintenance and monitoring program ▫ Adaptive management strategies ▫ Key stakeholders and responsible parties ▫ Funding ▫ Contingencies.					
BIO-8: Arborist Study and Tree Protection Plan					
An Arborist Study shall be conducted within portions of the project footprint occurring within 20 feet of the canopy drip line of protected trees. The study will plot the location of protected trees within this zone, identify each protected tree, and determine the jurisdiction of any trees to be impacted. The Arborist Report shall be prepared by a Certified Arborist in compliance with both the County of Ventura and County of Santa Barbara ordinance guidelines (Including coastal zone guidelines). Specifically, the Arborist Report should include, at minimum, the following:	Retain a Certified Arborist to complete an Arborist Study containing the requirements specified in the mitigation measure, including a project-specific Tree Protection Plan.	Prior to commencement of any tree-disturbing activities	Casitas Municipal Water District		
▪ An inventory of all trees containing a canopy drip line within 20 feet of the project footprint, as feasible without trespassing on private lands. Inventory data should record, at minimum: diameter at breast height (DBH), height, canopy cover information/mapping, health and vigor rating. ▪ Representative photographs of each regulated tree which may be encroached upon. ▪ Description of proposed site development activities including, but not limited to, excavation for trenching, any tree trimming for access, and construction access routes. ▪ A project-specific Tree Protection Plan shall be prepared which would at a minimum include site plans, protective	Implement the Tree Protection Plan and field verify compliance.	Prior to commencement of any tree-disturbing activities, with periodic field monitoring for compliance throughout construction	Casitas Municipal Water District		

Casitas Municipal Water District
Ventura-Santa Barbara Counties Interlie Project

Mitigation Measure/Condition of Approval		Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
					Initial	Date
tree fencing, the designated tree protection zone (identifying an area sufficiently large enough to protect the tree and its roots from disturbance), activities prohibited/permitted within the tree protective zone, encroachment boundaries, and potential transplanting or replacement tree plantings. The Arborist Report shall be completed consistent with the tree ordinance guidelines of the County of Ventura and County of Santa Barbara prior to the start of any tree-disturbing construction activities.						
Cultural Resources						
CUL-1: Unanticipated Discovery of Cultural Resources						
In the event archaeological resources are unexpectedly encountered during ground-disturbing activities, work within 50 feet of the find shall halt and an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983) shall be contacted immediately to evaluate the resource. If the resource is determined by the qualified archaeologist to be prehistoric, then a Native American representative shall also be contacted to participate in the evaluation of the resource. If the qualified archaeologist and/or Native American representative determines it to be appropriate, archaeological testing for California Register of Historical Resources (CRHR) eligibility shall be completed. If the resource proves to be eligible for the CRHR and significant impacts to the resource cannot be avoided via project redesign, a qualified archaeologist shall prepare a data recovery plan tailored to the physical nature and characteristics of the resource, per the requirements of California Code of Regulations (CCR) Guidelines Section 15126.4(b)(3)(C). The data recovery plan shall identify data recovery excavation methods, measurable objectives, and		If cultural resources are encountered during ground-disturbing activities, halt work in the immediate area and retain a qualified archaeologist immediately to evaluate the find.	During ground-disturbing activities, as needed and if archaeological resources are identified	Casitas Municipal Water District		
		If necessary, review and approve additional work for evaluation efforts and to mitigate any impacts to eligible resources.	During ground-disturbing activities, as needed and if archaeological resources are identified	Casitas Municipal Water District		

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
data thresholds to reduce any significant impacts to cultural resources related to the resource. Pursuant to the data recovery plan, the qualified archaeologist and Native American representative, as appropriate, shall recover and document the scientifically consequential information which justifies the resource's significance. Casitas shall review and approve the treatment plan and archaeological testing as appropriate, and the resulting documentation shall be submitted to the regional repository of the California Historical Resources Information System, per CCR Guidelines Section 15126.4(b)(3)(C).					
Geology and Soils					
GEO-1: Paleontological Resources Monitoring					
Prior to the commencement of project construction, a Qualified Professional Paleontologist, as defined by the SVP (2010), shall be retained to conduct paleontological monitoring during ground-disturbing activities (i.e., grading, excavation, and trenching) of previously undisturbed geologic units determined to have a high paleontological sensitivity (i.e., Casitas Formation [Qca], Sespe Formation [Ts], Pleistocene-aged alluvial deposits [Qoa], and Pleistocene-aged paralic deposits [Qppr-pl]).	Retain a Qualified Professional Paleontologist to conduct paleontological monitoring during ground-disturbing activities of previously undisturbed geologic units determined to have high paleontological sensitivity (duration and timing to be determined by the Qualified Professional Paleontologist).	Prior to the start of construction	Casitas Municipal Water District		
Prior to the start of construction, the Qualified Professional Paleontologist or their designee shall conduct a paleontological WEAP training for construction personnel regarding the appearance of fossils and the procedures for notifying paleontological staff should fossils be discovered by construction staff.					
Ground-disturbing activities on previously undisturbed areas within the project site shall be monitored on a full-time basis. Monitoring shall be supervised by the Qualified Professional	Coordinate and verify implementation of a paleontological WEAP training	Prior to the start of construction			

Mitigation Measure/Condition of Approval		Compliance Verification			
		Action Required	Monitoring Timing	Responsible Agency	Initial Date Comments
Paleontologist and conducted by a qualified paleontological monitor, as defined by the SVP (2010). The duration and timing of the monitoring shall be determined by the Qualified Professional Paleontologist. If the Qualified Professional Paleontologist determines full-time monitoring is no longer warranted, they may recommend reducing monitoring to periodic spot-checking or ceasing monitoring entirely. Monitoring shall be reinstated if any new ground disturbances of previously undisturbed areas are required, and reduction or suspension shall be reconsidered by the Qualified Professional Paleontologist at the time. If a paleontological resource is discovered, the monitor shall have the authority to temporarily divert construction equipment around the find until it is assessed for scientific significance and collected. Once salvaged, significant fossils shall be prepared to a curation-ready condition and curated in a scientific institution with a permanent paleontological collection. Curation fees shall be the responsibility of the project owner. A final report shall be prepared describing the results of the paleontological monitoring efforts associated with the project. The report shall include a summary of the field and laboratory methods, an overview of the project geology and paleontology, a list of taxa recovered (if any), an analysis of fossils recovered (if any) and their scientific significance, and recommendations. The report shall be submitted to Casitas. If the monitoring efforts produced fossils, a copy of the report shall also be submitted to the designated museum repository.		In the event of a fossil discovery, cease work in the immediate vicinity of the find and direct the Qualified Professional Paleontologist to evaluate the find. If it is determined the fossil(s) is (are) scientifically significant, direct the Qualified Professional Paleontologist to complete fossil salvage, preparation, and curation.	During ground-disturbing activities, as needed and if a paleontological resource is identified		
		Review and approve final paleontological mitigation report and submit to the designated museum repository if fossils are salvaged and curated	After completion of ground-disturbing activities		

Mitigation Measure/Condition of Approval		Compliance Verification					
		Action Required	Monitoring Timing	Responsible Agency	Initial	Date	Comments
Hazards and Hazardous Materials							
HAZ-1: Hazardous Materials Management and Spill Control Plan							
Before construction begins, the construction contractor shall submit to Casitas for review and approval a Hazardous Materials Management and Spill Control Plan (HMMSCP), including a project specific contingency plan for hazardous materials and waste operations. The HMMSCP shall establish policies and procedures consistent with applicable codes and regulations, including, but not limited to, the California Building and Fire Codes, as well United States Department of Labor, United States Occupational Safety and Health Administration, and California Occupational Safety and Health Administration regulations. The HMMSCP shall articulate hazardous materials handling practices to prevent the accidental spill or release of hazardous materials.		Review and approve HMMSCP	Prior to commencement of construction activities.	Casitas Municipal Water District			
HAZ-2: Soil Sampling and Disposal							
Prior to construction, a soil assessment shall be completed under the supervision of a professional geologist or professional engineer. If soil sampling indicates the presence of any contaminant in quantities not in compliance with applicable laws, the RWQCB or California Department of Toxic Substances Control (DTSC) shall be contacted to determine proper disposal requirements. If required based on the levels of contamination in the project site soil, proper removal and disposal of contaminated soils removed during excavation and trenching activities shall be performed.		Retain professional geologist or professional engineer to complete a soil assessment.	Prior to commencement of construction activities	Casitas Municipal Water District; RWQCB and/or DTSC (if applicable)			
		Review and approve soil assessment.	Prior to commencement of construction activities	Casitas Municipal Water District; RWQCB and/or DTSC (if applicable)			
		If soil sampling identifies contaminants in quantities not in compliance with applicable laws, contact the RWQCB or DTSC to	After review of soil assessment, as needed	Casitas Municipal Water District; RWQCB and/or DTSC (if applicable)			

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
	determine proper disposal requirements.				
	If needed, conduct required contaminated soil removal and disposal.	After review of soil assessment, as needed	Casitas Municipal Water District; RWQCB and/or DTSC (if applicable)		
HAZ-3: Contaminated Soil Contingency Plan					
The contractor shall develop and implement a Contaminated Soil Contingency Plan to handle treatment and/or disposal of contaminated soils. If contaminated soil is encountered during project construction, work shall halt, and an assessment made to determine the extent of contamination. Treatment and/or disposal of contaminated soils shall be conducted in accordance with the Contingency Plan.	Review and approve Contaminated Soil Contingency Plan.	Prior to start of construction	Casitas Municipal Water District		
	If contaminated soil is encountered during project construction, halt work and assess extent of contamination. Treat and/or dispose of contaminated soils in accordance with the Contingency Plan.	During construction, if contaminated soil is encountered	Casitas Municipal Water District		
Noise					
NOI-1: Pump Station Noise Control					
Noise-generating equipment at the temporary and permanent booster pump stations at the BPS-A site and the permanent booster pump station at BPS-B site shall comply with the following County noise standards for ongoing outdoor noise levels received by noise sensitive receivers, measured at the exterior wall of the building: 55 dB(A) L_{eq} during any hour from 6:00 a.m. to 7:00 p.m.; 50 dB(A) L_{eq} during any hour from 7:00 p.m. to 10:00 p.m.; 45 dB(A) L_{eq}	Verify through project plans, specifications, and noise-generating equipment manufacturer submittals that noise will be controlled per the requirements of the mitigation measure.	Prior to the operation of booster pump stations	Casitas Municipal Water District		

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
during any hour from 10:00 p.m. to 6:00 a.m.; or the ambient noise level plus 3 db(A) during any of these time periods. This may be accomplished by methods including, but not limited, to: enclosing or screening the pump, motor, and other noise-generating mechanical equipment; or using equipment that would generate noise levels that would not exceed County standards. These methods would be implemented prior to operation of the pump stations, and if enclosures or screens are used, they shall break the line of sight between the noise generating equipment and the sensitive receivers. During routine maintenance trips to the pump station, the methods to reduce noise levels to within County standards shall be inspected and maintained in accordance with manufacturer's specifications to provide continued noise reduction.					
Transportation and Traffic					
T-1: Traffic Management Plan					
The contractor shall submit a Traffic Management Plan (TMP) to the County of Ventura, County of Santa Barbara, and Caltrans, as necessary, for review and approval prior to construction or issuance of applicable permits. The TMP shall: 1. Identify construction-related vehicle routes, especially trucks. Truck routes shall minimize travel on roadways where truck traffic is ordinarily not permitted or weight restrictions are imposed. 2. Identify proper precautions to protect all pavements, curb and gutter, sidewalks, and drainage structures from damage associated with truck traffic on project area roadways. 3. Identify emergency access routes and detours (if any) for emergency response along roadways potentially affected by project construction. Additionally, describe procedures in place to provide priority access for emergency service vehicles through the construction work zone.	Review and approve the TMP. Submit TMP to applicable agencies for permit issuance, as needed. Field verify compliance with the TMP.	Prior to start of construction activities or issuance of applicable permits Prior to start of construction activities, as needed Periodically throughout construction activities	Casitas Municipal Water District Casitas Municipal Water District Casitas Municipal Water District		

Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
4. Describe traffic control measures to be implemented to manage traffic and reduce potential traffic impacts in accordance with the most recent version of the California Manual of Uniform Traffic Control Devices. Traffic control measures may include, but are not limited to, flag persons, warning signs, lights, barricades and cones to provide safe passage of vehicular (including cars and buses), bicycle and pedestrian traffic, and access by emergency responders.					
5. Identify off-street or turnout parking areas in which construction workers shall park and delineate those in the contractor specifications.					
6. Identify the location of any transit stops and transit and bicycle routes which may be temporarily impacted by construction activities and identify places to temporarily relocate transit stops and transit and bicycle routes, if necessary. Describe signage to be used for relocated transit, bicycle, or pedestrian facilities during project construction.					

T-2: Emergency Service Providers

The contractor shall notify emergency service providers (fire and police departments serving the project site) with construction contact names, locations, schedules, and traffic plans, if applicable, prior to the start of construction.	Verify information specified in the mitigation measure has been provided to emergency service providers.	Prior to commencement of construction activities	Casitas Municipal Water District
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Mitigation Measure/Condition of Approval	Action Required	Monitoring Timing	Responsible Agency	Compliance Verification	
				Initial	Date
Construction Noise Controls					
The following noise control procedures shall be employed: a. Maximum Noise Levels within 1,000 Feet of any Residence, Business, or Other Populated Area: Noise levels for trenchers, pavers, graders and trucks shall not exceed 90 dBA at 50 feet as measured under the noisiest operating conditions. For all other equipment, noise levels shall not exceed 85 dBA at 50 feet. b. Equipment: Jack hammers shall be equipped with exhaust mufflers and steel muffling sleeves. Air compressors should be of a quiet type such as a "whisperized" compressor. c. Operations: Keep noisy equipment as far as possible from noise-sensitive site boundaries. Machines should not be left idling. Use electric power in lieu of internal combustion engine power wherever possible. Maintain equipment properly to reduce noise from excessive vibration, faulty mufflers, or other sources. All engines shall have mufflers. d. Scheduling: Schedule noisy operations so as to minimize their duration at any given location. e. Monitoring: To determine whether the above noise limits are being met and whether noise barriers are needed, the Contractor shall use a portable sound level meter meeting the requirements of American National Standards Institute Specification S1.4 for Type 2 sound level meters. If non-complying noise levels are found, the Contractor shall be responsible for monitoring and correction of excessive noise levels. Methods to reduce noise levels may include installation of temporary sound barriers/blankets between the construction equipment and the nearest sensitive receivers. The temporary barriers/blankets would be of sufficient height to block the line of sight between the equipment and receivers and would drape on the ground or be sealed at the ground.	Include noise control procedures in construction contractor specifications, as applicable.	Prior to the issuance of construction bid documents (for each construction phase)	Casitas Municipal Water District		

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Appendix C

USBR BE Mitigation Measures

Appendix C: Casitas Biological Resources

Mitigation Measures

Mitigation Measures

Implementation of the following mitigation measures during Project construction would reduce the potential impact to species listed under ESA, birds protected under the MBTA, and sensitive habitats used by these species.

BIO-1 Worker Environmental Awareness Program Prior to initiation of all construction activities (including staging and mobilization), all personnel associated with Project construction shall attend a Worker Environmental Awareness Program (WEAP) training conducted by a qualified biologist and arborist to assist workers in recognizing special status biological resources which may occur in the Project Action area. The training shall include information about nesting birds and the special status species potentially occurring in the Project Action area.

The specifics of this program shall include identification of special status species and habitats, a description of the regulatory status and general ecological characteristics of special status resources, and review of the limits of construction and measures required to avoid and minimize impacts to biological resources within the work area. The arborist shall instruct the contractors on tree protection practices. This training shall include information on the location and marking of protected trees, the necessity of preventing damage, and the discussion of work practices. A fact sheet conveying this information shall also be prepared for distribution to all contractors, their employees, and other personnel involved with construction of the Project. All employees shall sign a form provided by the trainer documenting they have attended the WEAP and understand the information presented to them. The crew foreperson shall be responsible for ensuring crew members adhere to the guidelines and restrictions designed to avoid impacts to special status species. If new construction personnel are added to the Project, the crew foreman shall confirm new personnel receive the WEAP training before starting work. The subsequent training of personnel can include video of the initial training and/or the use of written materials rather than in-person training by a biologist.

BIO-2 Wildlife Avoidance During Construction The following measures shall be adhered to during Project construction:

- Parking, driving, lay-down, stockpiling, and vehicle and equipment storage shall be limited to previously compacted and developed areas.
- No off-road vehicle use shall be permitted beyond the Project site and designated access routes.
- Disturbances to adjacent native vegetation shall be minimized.
- The contractor shall clearly delineate the construction limits and prohibit any construction-related traffic outside those boundaries.

- Project-related vehicles shall observe a 10-mile-per-hour speed limit within the unpaved limits of construction.
- All open trenches or excavations shall be fenced and/or sloped to prevent entrapment of wildlife species.
- All food-related trash shall be disposed of in closed containers and removed from the Project site at the end of each day. Construction personnel shall not feed or otherwise attract wildlife to the construction area.
- At Project completion, all Project-generated debris, vehicles, building materials, and rubbish shall be removed from the project site.
- No construction worker pets shall be allowed on the Project site.
- No firearms shall be allowed on the Project site.
- If vehicle or equipment maintenance is necessary, it shall be conducted in designated staging areas.
- If construction must occur at night (between dusk and dawn), all lighting shall be shielded and directed downward to minimize the potential for glare or spillover onto adjacent properties and to reduce impacts on local wildlife.
- During construction, heavy equipment shall be operated in accordance with standard construction best management practices (BMPs). All equipment used on site shall be properly maintained to avoid leaks of oil, fuel, or residues. Provisions shall be in place to remediate any accidental spills immediately.

BIO-3 Preconstruction Nesting Bird Surveys To avoid disturbance of nesting and special status birds, including raptor species, protected by the MBTA and California Fish and Game Code (CFGF), activities related to the Project including, but not limited to, vegetation removal, ground disturbance, and construction and demolition shall occur outside the bird breeding season for migratory birds (January 1 through September 15), if practicable.

If construction must begin during the breeding season, a preconstruction nesting bird survey shall be conducted no more than three days prior to initiation of ground disturbance and/or vegetation removal activities. The preconstruction nesting bird survey shall be conducted on foot within the Project footprint plus a 300-foot buffer. Inaccessible areas (e.g., private lands) shall be surveyed from afar using binoculars to the extent practicable. The survey shall be conducted by a biologist familiar with the identification of avian species known to occur in southern California coastal communities. If active nests are found, an avoidance buffer (dependent upon the species, the proposed work activity, and existing disturbances associated with land uses outside of the site) shall be determined and demarcated by the biologist with bright orange construction fencing, flagging, construction lathe, or other means to mark the boundary. All construction personnel shall be notified as to the existence of the buffer zone and to avoid entering the buffer zone during the nesting season. No ground-disturbing activities shall occur inside this buffer until the avian biologist has confirmed breeding/nesting is completed and the young have fledged the nest, or the nest has failed. Encroachment into the buffer shall occur only at the discretion of the qualified biologist.

Mitigation Measures

Implementation of the following mitigation measures during Project construction would reduce the potential impacts to sensitive habitat.

BIO-4 Sensitive Habitat Fencing Prior to Project mobilization where the Project is adjacent to sensitive natural communities, temporary construction fencing shall be erected by the contractor at the edge of the temporary construction easement to avoid unanticipated impacts to the habitat throughout the duration of construction.

BIO-5 Sensitive Vegetation Community Compensation Impacts to sensitive vegetation communities shall be avoided to the greatest extent feasible. Depending on final Project design, sensitive vegetation community compensation mitigation may be required by California Department of Fish and Wildlife (CDFW). Mitigation for unavoidable impacts to sensitive vegetation communities can be accomplished either through on-site restoration, off-site restoration, or purchase of credits through an approved Mitigation Bank or through applicant sponsored mitigation (e.g., purchase and/or dedication of land for mitigation). If required, compensatory mitigation for unavoidable impacts to sensitive vegetation communities shall be accomplished at a minimum ratio of 1:1; however, the final ratio shall be determined and approved by CDFW prior to commencement of construction. If on- or off-site restoration would occur, a Restoration Plan shall be prepared and submitted for approval by CDFW prior to initiating impacts. At minimum, the Restoration Plan shall include the following:

- A description of the purpose and goals of the restoration
- Identification of success criteria and performance standards
- Methods of site preparation
- Irrigation plan and schedule
- BMPs
- Maintenance and monitoring program
- Adaptive management strategies
- Key stakeholders and responsible parties
- Funding
- Contingencies

Mitigation Measures

With implementation of mitigation measures (and adherence to agency permits and existing regulations), potential indirect impacts to jurisdictional features would be avoided and minimized.

BIO-6 Jurisdictional Waters Avoidance and Minimization The following measures shall be implemented during Project construction:

- Prior to Project mobilization, all limits of construction work within Casitas Creek and the unnamed drainage shall be clearly delineated with orange construction fencing or similar highly visible material and maintained throughout the duration of construction.
- Areas of temporary disturbance shall be minimized to the extent practicable. Staging and laydown areas shall be limited to sites which are unvegetated and/or previously disturbed, and outside jurisdictional aquatic features.
- Materials shall be stored on impervious surfaces or plastic ground covers to prevent spills or leakage. Material storage and material/spoils from Project activities shall be located and stored at least 50 feet from jurisdictional aquatic features. Construction materials and spoils shall be protected from stormwater runoff using temporary perimeter sediment barriers such

as berms, silt fences, fiber rolls, covers, sand/gravel bags, and straw bale barriers, as appropriate.

- Prevent the discharge of silt or pollutants off the site when working adjacent to potentially jurisdictional waters. Install BMPs (i.e., silt barriers, sandbags, straw bales) as appropriate.
- Prevent the off-site tracking of loose construction and landscape materials by implementing street sweeping, vacuuming, and rumble plates, as appropriate.
- Site washout areas shall be at least 100 feet from a storm drain, open ditch, or surface water and prevent runoff flows from such activities from entering receiving water bodies.
- All vehicles and equipment shall be in good working condition and free of leaks. The contractor shall prevent oil, petroleum products, or any other pollutants from contaminating the soil or entering a watercourse (dry or otherwise). When vehicles or equipment are stationary, mats, or drip pans shall be placed below vehicles to contain fluid leaks.
- All re-fueling, cleaning, and maintenance of equipment shall occur at least 100 feet from potentially jurisdictional waters.
- Any spillage of material shall be stopped if it can be done safely. The contaminated area shall be cleaned, and any contaminated materials properly disposed. For all spills, the Project foreperson or other designated liaison shall notify Casitas immediately.
- Adequate spill prevention and response equipment shall be maintained on site and readily available to implement to minimize impacts to the aquatic and marine environments.

BIO-7 Compensatory Mitigation for Jurisdictional Waters Impacts The following measures shall be implemented to mitigate impacts to jurisdictional wetlands/waters:

- Permits for the proposed impacts to jurisdictional waters shall be obtained prior to initiating impacts. The discharge of fill into US Army Corps of Engineers (USACE) jurisdictional areas will require a permit pursuant to Section 404 of the Clean Water Act and a 401 Certification from the Regional Water Quality Control Board (RWQCB), and any modification to a streambed, including removal of riparian vegetation, will require a Streambed Alteration Agreement from CDFW pursuant to Section 1600 of the CFGC. The Project shall comply with the mitigation required in accordance with the Streambed Alteration Agreement and the 401 and 404 permits.
- Impacts associated with disturbed areas within regulated waters shall be mitigated in-kind at a ratio of at least 1:1. It should be noted the final mitigation ratios required by the regulatory agencies during the permitting process may differ but shall be confirmed prior to the initiation of applicable construction activities.
- A Habitat Mitigation and Monitoring Plan (HMMP) shall be prepared by a qualified biologist/restoration ecologist to restore jurisdictional waters and/or CDFW sensitive plant communities temporarily impacted by the Project. The HMMP shall address the restoration of temporarily disturbed habitat. At a minimum, the HMMP shall include the following:
 - A description of the jurisdictional waters, sensitive plant communities, riparian habitat, and/or environmentally sensitive habitat area (ESHA) type(s) and amount(s) which will be provided by the mitigation and how the mitigation method (i.e., restoration, establishment, enhancement, and preservation) will achieve the mitigation Project goals
 - A plant palette and methods of salvaging, propagating, and seeding/planting the site to be restored
 - Methods of soil preparation

- Maintenance and monitoring necessary to confirm the restored plant communities meet the success criteria
- Schedule for restoration activities including weed abatement, propagation and planting, soil preparation, erosion control, qualitative and quantitative monitoring, and reporting
- Identification of measurable performance standards for each objective to evaluate the success of the compensatory mitigation
- Identification of contingency and adaptive management measures to address unforeseen changes in site conditions or other components of the mitigation project
- Compensatory mitigation for permanent impacts to jurisdictional waters can be accomplished either through purchase of credits through an approved Mitigation Bank or through applicant sponsored mitigation (e.g., purchase and/or dedication of land for mitigation). Compensatory mitigation shall be determined and approved by CDFW, USACE, and RWQCB prior to impacting state or federally regulated waters. If on-site or off-site restoration would occur, a Restoration Plan shall be prepared and submitted for approval by CDFW, USACE, and RWQCB prior to initiating impacts. At minimum, the Restoration Plan shall include the following:
 - A description of the purpose and goals of the restoration
 - Identification of success criteria and performance standards □ Methods of site preparation
 - Irrigation plan and schedule
 - BMPs
 - Maintenance and monitoring program □ Adaptive management strategies
 - Key stakeholders and responsible parties
 - Funding
 - Contingencies.

BIO-8 Arborist Study and Tree Protection Plan An Arborist Study shall be conducted within portions of the Project footprint occurring within 20 feet of the canopy drip line of protected trees. The study will plot the location of protected trees within this zone, identify each protected tree, and determine the jurisdiction of any trees to be impacted. The Arborist Report shall be prepared by a Certified Arborist in compliance with both the County of Ventura and County of Santa Barbara ordinance guidelines (including coastal zone guidelines). Specifically, the Arborist Report should include, at minimum, the following:

- An inventory of all trees containing a canopy drip line within 20 feet of the Project footprint, as feasible without trespassing on private lands. Inventory data should record, at minimum: diameter at breast height (DBH), height, canopy cover information/mapping, health and vigor rating.
- Representative photographs of each regulated tree which may be encroached upon.
- Description of proposed site development activities including, but not limited to, excavation for trenching, any tree trimming for access, and construction access routes.
- A Project-specific Tree Protection Plan shall be prepared which would at a minimum include site plans, protective tree fencing, the designated tree protection zone (identifying an area sufficiently large enough to protect the tree and its roots from disturbance), activities prohibited/permitted within the tree protective zone, encroachment boundaries, and potential transplanting or replacement tree plantings.

The Arborist Report shall be completed consistent with the tree ordinance guidelines of the County of Ventura and County of Santa Barbara prior to the start of any tree-disturbing construction activities.

Mitigation Measure NOI-1 Pump Station Noise Control

Prior to operation of the Del Mar Pump Plant and Red Mountain Pump Plant, the pump, motor, and any other noise-generating mechanical equipment shall be equipped with an enclosure or noise control curtain system to reduce noise levels at surrounding sensitive receivers. The enclosures shall break the line of sight between the noise generating equipment and the sensitive receivers and be constructed of fiberglass or other material capable of providing at least a 12 dB(A) noise level reduction at Del Mar Pump Plant and 4 dB(A) noise level reduction at Red Mountain Pump Plant, pursuant to manufacturer's specifications or verification by qualified acoustician. During routine maintenance trips to the pump station, the enclosure shall be inspected and maintained in accordance with manufacturer's specifications to provide continued noise reduction.

Mitigation Measure HAZ-1 Hazardous Materials Management and Spill Control Plan

HAZ-1 Hazardous Materials Management and Spill Control Plan Before construction begins, the construction contractor shall submit to Casitas for review and approval a Hazardous Materials Management and Spill Control Plan (HMMSCP), including a Project-specific contingency plan for hazardous materials and waste operations. The HMMSCP shall establish policies and procedures consistent with applicable codes and regulations, including, but not limited to, the California Building and Fire Codes, as well United States Department of Labor, United States Occupational Safety and Health Administration, and California Occupational Safety and Health Administration regulations. The HMMSCP shall articulate hazardous materials handling practices to prevent the accidental spill or release of hazardous materials.

CASITAS' STANDARD CONTRACTOR SPECIFICATIONS

The following construction noise controls would be implemented for the Proposed Project, consistent with Casitas' Standard Contractor Specifications (Casitas 2023, *see* chapter 13, Noise, and page 109):

- a. *Maximum Noise Levels within 1,000 Feet of any Residence, Business, or Other Populated Area:* Noise levels for trenchers, pavers, graders and trucks shall not exceed 90 dBA at 50 feet as measured under the noisiest operating conditions. For all other equipment, noise levels shall not exceed 85 dBA at 50 feet.
- b. *Equipment:* Jack hammers shall be equipped with exhaust mufflers and steel muffling sleeves. Air compressors should be of a quiet type such as a "whisperized" compressor.
- c. *Operations:* Keep noisy equipment as far as possible from noise-sensitive site boundaries. Machines should not be left idling. Use electric power in lieu of internal combustion engine power wherever possible. Maintain equipment properly to reduce noise from excessive vibration, faulty mufflers, or other sources. All engines shall have mufflers.

- d. *Scheduling*: Schedule noisy operations so as to minimize their duration at any given location.
- e. *Monitoring*: To determine whether the above noise limits are being met and whether noise barriers are needed, the Contractor shall use a portable sound level meter meeting the requirements of American National Standards Institute Specification S1.4 for Type 2 sound level meters. If non-complying noise levels are found, the Contractor shall be responsible for monitoring and correction of excessive noise levels. Methods to reduce noise levels may include installation of temporary sound barriers/blankets between the construction equipment and the nearest sensitive receivers. The temporary barriers/blankets would be of sufficient height to block the line of sight between the equipment and receivers and would drape on the ground or be sealed at the ground



Appendix D

Standard Agreement for Professional Services

**AGREEMENT BETWEEN
THE CASITAS MUNICIPAL WATER DISTRICT &
[CONSULTANT].
FOR
[PROJECT NAME/SERVICE]**

THIS AGREEMENT is made and entered into this _____ day of _____ in the year XXXX by and between the **CASITAS MUNICIPAL WATER DISTRICT**, herein designated as the **District**, and **[CONSULTANT]**., herein designated as the **Consultant and/or Contractor**. Together, District and Consultant shall be referred to herein as Parties.

W I T N E S S E T H

WHEREAS, the District requested a Proposal for [PROJECT NAME/SERVICES]; and

WHEREAS, the Consultant submitted a Proposal dated _____ for the anticipated scope of work for the [PROJECT NAME/SERVICES]; and

WHEREAS, Consultant is qualified to complete the requested services; and

WHEREAS, District desires to retain and Consultant is willing to provide the services requested;

NOW, THEREFORE, in consideration of the recitals above and their mutual promises, obligations, valuable consideration and covenants herein contained, the Parties hereby agree to abide by the following:

1. TERM OF AGREEMENT. The term of this Agreement shall be from the date this Agreement is made and entered into, as first written above, until the completion of all services by the Consultant and acceptance of those services and materials by the District or until DATE/YEAR.
2. DATA FURNISHED BY District. For the purpose of aiding Consultant in the performance of its obligations under this Agreement, District agrees to furnish Consultant with existing information which District has available and which Consultant may request. Consultant shall apply reasonable caution in its use and interpretation of the data and shall promptly

advise District of any suspected inaccuracies or omissions in the data that has been furnished or may be furnished during the project. Consultant shall have no liability for defects in the Services attributable to Consultant's reliance upon or use of As Built drawings, furnished by District or third parties retained by District.

3. SCOPE OF SERVICES.

The scope of services is included in the Consultant's proposal attached as Exhibit A.

4. FEE FOR SERVICES. The District shall pay the Consultant on a completed task basis for services requested by the District. The completed task unit cost shall be stated in the scope of work agreed to by the Parties and attached as Exhibit A. The task unit cost for services shall be the fully loaded cost and shall include all overhead costs, material costs and miscellaneous costs.

The total fee for services shall not exceed \$XXXXXXXX.00 without the prior written consent of the District.

5. DELIVERABLES. The format, completion and delivery of work products shall be as provided in the scope of work attached as Exhibit A.

6. PAYMENT OF COMPENSATION. Compensation shall be billed monthly in increments based on the percentage of each task completed.

7. CHARGES FOR REVIEW OF BILLS. The Consultant shall not charge District for questions of billings under this Agreement. The Consultant shall answer all questions about billings to the satisfaction of District.

8. NO INTEREST, NO ATTORNEYS' FEES. No interest shall be charged on bills and each party will bear their own attorneys' fees and costs for any lawsuit or arbitration or other dispute resolution methodology arising out of this project.

9. CHANGES. Consultant shall provide engineering services as required by this Agreement without modification or changes to the hourly rate or any other extra compensation, excepting only changes authorized by a written change order signed by District and Consultant. Any change in the total compensation allowed for performance under this Agreement shall be accomplished only by such a change order. Accordingly, no course of conduct or dealings between the parties, nor express or implied acceptance of alterations or additions to the work, and no claim that District has been unjustly enriched by any alteration or addition to work, whether or not there is, in fact, any unjust enrichment to the work, shall be the basis of any claim to any increase in the total compensation provided for in this Agreement. Should District request a change in the services covered by this Agreement, Consultant shall not expend any time or money for the change until a written change order is prepared and signed by District and Consultant. Should Consultant expend time or funds without an executed change order, all costs therefore shall be the sole responsibility of Consultant. Once a change order is prepared and signed by both parties, it shall constitute a final settlement of all matters relating to the change which is the

subject of the change order, including, but limited to, all direct and indirect costs associated with such change and any and all adjustments to the fee due the Consultant and the work schedule.

10. PROJECT SCHEDULE. Consultant understands the importance of accurate and timely completion of the required tasks. The project schedule in the scope of work as agreed to by the Parties shall be maintained and Consultant shall keep District informed of project status on a regular basis.
11. RESPONSIBILITY OF CONSULTANT.
- a) Consultant is responsible for the professional quality, technical accuracy, timely completion, and the coordination of all testing, analysis, inspection, reports, designs and other services furnished by Consultant under this Agreement. Consultant shall, without additional compensation, promptly correct any Consultant errors, omissions, or other deficiencies in its analysis, inspection, testing, reports, designs, and other services; to the extent such corrections are not attributable to change in project description or data modification by District.
 - b) Consultant shall perform such professional services as may be necessary to accomplish the work required to be performed under this Agreement, in accordance with this Agreement and the negotiated scope of work. Approval by District of analyses, inspection, testing, reports, designs and incidental cultural resources monitoring work or materials furnished hereunder shall not in any way relieve Consultant of responsibility for the technical adequacy of its work. Neither District's approval or acceptance of, nor payment for, any of Consultant's services shall be construed to operate as a waiver of any rights under this Agreement or of any cause of action arising out of the performance of this Agreement.
 - c) Consultant shall be and remain liable in accordance with applicable California law for damages to District caused by Consultant's negligent performance of any of the services furnished under this Agreement.
12. PERSONNEL. District requires the following project team members to work directly with the District until completion of the project. Consultant shall inform District immediately if any of the following personnel or staff listed in the proposal become unavailable for any reason prior to completion of their tasks:

<u>Name</u>	<u>Role</u>
	Principal in Charge
	Project Manager

In the event a change in any of the above-named personnel or staff listed in the proposal becomes necessary, Consultant shall promptly submit to the District the name and qualifications of the proposed replacement person(s). Consultant and District will then agree upon the selection of the replacement person(s) whose qualifications and expertise shall be at least equal to the person replaced. The penalty for replacement of personnel without permission of Casitas will be ten percent (10%) of the gross of the contract. Consultant agrees not to request an increase in the per-hour fee or any other compensation for such a change in

personnel.

13. INSURANCE.

Consultant shall procure and maintain for the duration of the contract insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Consultant, their agents, representatives, employees or subcontractors. Coverage shall be at least as broad as the following:

- a) **Commercial General Liability (CGL)** - Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage, bodily injury, personal and advertising injury with limit of at least two million dollars (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (coverage as broad as the ISO CG 25 03, or ISO CG 25 04 endorsement provided to Casitas Municipal Water District) or the general aggregate limit shall be twice the required occurrence limit. The general liability policy must contain, or be endorsed to contain, the following provisions
 - i. **Additional Insured Status:** The United States Bureau of Reclamation, Casitas Municipal Water District, its directors, officers, employees, and authorized volunteers are to be given insured status (at least as broad as ISO Form CG 20 10 10 01), with respect to liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts, or equipment furnished in connection with such work or operations.
 - ii. **Primary Coverage:** For any claims related to this project, the Consultant's insurance coverage shall be primary at least as broad as ISO CG 20 01 04 13 as respects to the United States Bureau of Reclamation, Casitas Municipal Water District, its directors, officers, employees and authorized volunteers. Any insurance or self-insurance maintained by the United States Bureau of Reclamation, Casitas Municipal Water District, its directors, officers, employees and authorized volunteers shall be excess of the Contractor's insurance and shall not contribute with it.
- b) **Automobile Liability** – Insurance Services Office (ISO) Business Auto Coverage (Form CA 00 01), covering Symbol 1 (any auto) or if Consultant has no owned autos, Symbol 8 (hired) and 9 (non-owned) with limit of one million dollars (\$1,000,000) for bodily injury and property damage each accident.
- b) **Workers' Compensation Insurance** – as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limits of no less than \$1,000,000 per accident for bodily injury or disease.
- c) **Professional Liability** – with limits no less than \$2,000,000 per occurrence or claim, and \$2,000,000 policy aggregate.

Professional Liability maybe Claims Made Policies – include the following provisions.

1. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
 2. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the contract of work.
 3. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the Consultant must purchase “extended reporting” coverage for a minimum of five (5) years after completion of contract work.
- d) **Waiver of Subrogation:** The insurer(s) named above agree to waive all rights of subrogation against the United States Bureau of Reclamation, Casitas Municipal Water District, its elected or appointed officers, officials, agents, authorized volunteers and employees for losses paid under the terms of this policy which arise from work performed by the Named Insured for the Casitas Municipal Water District; but this provision applies regardless of whether or not the Casitas Municipal Water District has received a waiver of subrogation from the insurer.
- e) If the Consultant maintains broader coverage and/or higher limits than the minimums shown above, the Casitas Municipal Water District requires and shall be entitled to the broader coverage and/or higher limits maintained by the Consultant. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the Casitas Municipal Water District.
- (f) **Notice of Cancellation.** Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Casitas Municipal Water District.
- (g) **Self-Insured Retentions.** Self-insured retentions must be declared to and approved by the Casitas Municipal Water District. The District may require the Consultant to provide proof of the ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or Casitas Municipal Water District.
- (h) **Acceptability of Insurers.** Insurance is to be placed with insurers having a current A.M. Best rating of no less than A: VII or as otherwise approved by Casitas Municipal Water District.
- (i) **Verification of Coverage.** Consultant shall furnish the Casitas Municipal Water District with certificates and amendatory endorsements or copies of the applicable policy language effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Casitas Municipal Water District before work commences. However, failure to obtain the

required documents prior to the work beginning shall not waive the Contractor's obligation to provide them. The Casitas Municipal Water District reserves the right to require complete, certified copies of all required insurance policies, including policy Declaration pages and Endorsement pages.

- (j) **Subcontractors.** Consultant shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and Consultant shall ensure that the United States Bureau of Reclamation, Casitas Municipal Water District, its directors, officers, employees, and authorized volunteers are an additional insured on Commercial General Liability Coverage.
- (k) **Safety.** In the performance of this contract the Consultant shall comply with all applicable federal, state and local statutory and regulatory requirements including, but not limited to California Department of Industrial Relations (Cal/OSHA) regulations; and the U.S. Department of Transportation Omnibus Transportation Employee Testing Act, related to their scope of work and operations. In case of conflict in regulations, the most stringent shall apply.

- 14. **INDEMNIFICATION.** To the extent permitted by law, Consultant shall hold harmless, defend at its own expense, and indemnify the United States Bureau of Reclamation, Casitas Municipal Water District, its directors, officers, employees, agents and authorized volunteers, against any and all liability, claims, losses, damages, or expenses, including reasonable attorney's fees and costs, arising from all acts or omissions of Consultant or its officers, agents, or employees in rendering services under this contract; excluding, however, such liability, claims, losses, damages or expenses arising from Casitas Municipal Water District's sole negligence or willful acts.
- 15. **ASSIGNMENT.** Neither party may assign this Agreement or any payments due under this Agreement, either voluntarily or involuntarily, without the prior written consent of the other party. If and to the extent any assignment is authorized, it shall not be effective until the assignee signs a written agreement to be bound by all of the provisions of this Agreement, nor shall it relieve the assignor of its obligations under this Agreement unless the written consent to the assignment expressly states that the assignor shall be relieved.
- 16. **TERMINATION.** The District may, by written notice to Consultant, suspend or discontinue the performance of all work pursuant to this Agreement, and may terminate this Agreement, with or without cause after 15 calendar days' written notice from the date of mailing. In the event of termination without cause, Consultant will be entitled to a reasonable portion of the lump sum fee for its services rendered prior to the effective date of the notice, but Consultant shall have no claim against District for loss of anticipated profits or other payment on account of services not yet performed and which are not thereafter performed by Consultant. In the event of a termination without cause, Consultant will submit a final invoice to District for all services rendered prior to termination within a reasonable time, not to exceed 45 days of the effective date of such notice. Any bills received after the expiration of the 45-day period need not be paid by the District.

17. OWNERSHIP OF DOCUMENTS. All plans, studies, sketches, reports, test data, and drawings, prepared by or for either party pursuant to this Agreement including copyright ownership shall be the property of District when Consultant has been compensated for all undisputed billings in accordance with this Agreement, whether the work for which they are prepared be executed or not. Upon completion of all work under this Agreement, or in the event this Agreement is terminated prior to completion of all such work, all documents, plans, specifications, drawings pertaining to the facility, and all other material provided to assist Consultant in performing under this Agreement shall be delivered forthwith to District. However, nothing shall prevent Consultant from using intellectual property developed under this contract in other works. All documents, including, but not limited to, drawings, specifications, and computer software prepared by Consultant pursuant to this Agreement are instruments for service specific to this project. They are not intended nor represented to be suitable for reuse by District or others on extensions of the project or on any other project. Any reuse without prior written verification or adaptation by District for the specific purpose intended shall be at District's sole risk.
18. GOVERNING LAW; PLACE OF SUIT. This Agreement is to be governed by and construed in accordance with the laws of the State of California. Any lawsuit arising out of this Agreement shall be filed and prosecuted exclusively in Ventura County, California Superior Court.
19. SUBCONTRACTS. District has entered into this Agreement in order to receive the services of Consultant. The provisions of the Agreement shall equally apply to any subcontractor of Consultant. Consultant shall include in all subcontracts a clause making the terms of this Agreement binding upon the subcontract.
20. MONTHLY BILLINGS. Contractor shall not bill District more often than monthly during the term of this Agreement. Invoices shall fully define the work component completed for each Task Order, the hours spent on each task, the budget for each person in terms of cost and hours, the pay rate for the person assigned, the percentage of the task completed in terms of actual work remaining, and costs remaining until completion of the task at the time of billing. Each invoice shall also contain a purchase order number and Task Order number assigned and the invoice shall state the billing period. The invoice will be paid within thirty (30) days after the approval by the District Board of Directors.
21. ENTIRE AGREEMENT. This Agreement constitutes the whole Agreement between the Parties hereto with respect to the subject matter hereof, and neither party nor any of its agents or employees has made any representation except as specifically provided herein. Neither of the parties in executing or performing this Agreement is relying upon any statement or information to whomsoever made or given directly or indirectly, verbally or in writing by any individual or corporation except as specifically provided herein. The Agreement may not be modified or altered except in writing signed by both parties.
22. OPINIONS OF COST AND SCHEDULE. Consultant's opinions on cost and schedule shall be made on the basis of available information and Consultant's expertise and qualifications as a professional. Consultant does not warrant or guarantee that its opinions on cost or

schedule of current and future levels and events will not vary from Consultant's estimates or forecasts or from actual outcomes.

23. REQUIRED CONTRACT CLAUSES FOR FEDERALLY FUNDED PROJECTS.

23.1 Equal Employment Opportunity

During the performance of this contract, Contractor agrees as follows:

- 1) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or natural origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- 2) The Contractor will, in all solicitations or advertisement for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- 3) The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- 4) The Contractor will send to each labor union or representative of works with which they has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- 5) The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- 6) The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant there to, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.

- 7) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965 or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- 8) The Contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor shall take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance;

Provided, however, that in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, That if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply

with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

23.2 Clean Air Act and the Federal Water Pollution Control Act (for contracts over \$150,000)

Clean Air Act

- 1) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. §7401 et seq.
- 2) The Contractor agrees to report each violation to the District and understands and agrees that the District will, in turn, report each violation as required to assure notification to the California Office of Emergency Services, Federal Emergency Management Agency (FEMA), and the appropriate Environmental Protection Agency Regional Office.
- 3) The Contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with federal assistance provided by FEMA.

Federal Water Pollution Control Act

- 1) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.
- 2) The Contractor agrees to report each violation to the District and understands and agrees that the District will, in turn, report each violation as required to assure notification to the California Office of Emergency Services, Federal Emergency Management Agency (FEMA), and the appropriate Environmental Protection Agency Regional Office.
- 3) The Contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with federal assistance provided by FEMA.

23.3 Suspension and Debarment

- 1) This contract is a covered transaction for purposes of C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such Contractor is required to verify that none of the Contractor, its principals (defined at 2 C.F.R. §180.995), or its affiliates (defined at 2 C.F.R. §180.905) are excluded (defined at 2 C.F.R. §180.940) or disqualified (defined at 2 C.F.R. §180.935).
- 2) The Contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
- 3) This certification is a material representation of fact relied upon by the District. If it is later determined that the Contractor did not comply with 2 C.F.R. pt. 180 subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to California

Department of Emergency Services and the District, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.

- 4) The bidder or proposer agrees to comply with the requirements of 2 C.F.R. subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

23.4 Byrd Anti-Lobbying Amendment, 31 U.S.C. §1352 (as amended)

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing, or attempting to influence, an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal Award. Such disclosures are forwarded from tier to tier up to the recipient who in turn will forward the certification(s) to the federal awarding agency.

23.5 Procurement of Recovered Materials (procurements over \$10,000)

- 1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired:
 - a. Competitively within a timeframe for compliance with the contract performance schedule;
 - b. Meeting contract performance requirements; or
 - c. At a reasonable price.
- 2) Information about this requirement, along with a list of EPA-designated items is available at EPA's Comprehensive Procurement Guidelines web site, <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program>.
- 3) The Contractor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act.

23.6 Prohibition on Contracting for Telecommunications Equipment or Services

- (a) Definitions. As used in this clause, the terms backhaul; covered foreign country; covered telecommunications equipment or services; interconnection arrangements; roaming; substantial or essential component; and telecommunications equipment or services have the meaning as defined in FEMA Policy 405-143-1, Prohibitions on Expending FEMA Award Funds for Covered Telecommunications Equipment or Services (Interim), as used in this clause—

- (b) Prohibitions.

- (1) Section 889(b) of the John S. McCain National Defense Authorization Act for

Fiscal Year 2019, Pub. L. No. 115-232, and 2 C.F.R. § 200.216 prohibit the head of an executive agency on or after Aug.13, 2020, from obligating or expending grant, cooperative agreement, loan, or loan guarantee funds on certain telecommunications products or from certain entities for national security reasons.

(2) Unless an exception in paragraph (c) of this clause applies, the contractor and its subcontractors may not use grant, cooperative agreement, loan, or loan guarantee funds from the Federal Emergency Management Agency to:

- (i) Procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system;
- (ii) Enter into, extend, or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system;
- (iii) Enter into, extend, or renew contracts with entities that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or
- (iv) Provide, as part of its performance of this contract, subcontract, or other contractual instrument, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.

(c) Exceptions.

(1) This clause does not prohibit contractors from providing—

- (i) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or Contract Provisions Guide 28
- (ii) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(2) By necessary implication and regulation, the prohibitions also do not apply to:

- (i) Covered telecommunications equipment or services that:
 - i. Are not used as a substantial or essential component of any system; and
 - ii. Are not used as critical technology of any system.
- (ii) Other telecommunications equipment or services that are not considered covered telecommunications equipment or services.

(d) Reporting requirement.

(1) In the event the contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the contractor is notified of such by a subcontractor at any tier or by any other source, the contractor shall report the information in paragraph (d)(2) of this clause to the recipient or subrecipient, unless elsewhere in this contract are established procedures for reporting the information.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause:

- (i) Within one business day from the date of such identification or notification:
The contract number; the order number(s), if applicable; supplier name;

supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: Any further available information about mitigation actions undertaken or recommended. In addition, the contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services. (e) Subcontracts. The Contractor shall insert the substance of this clause, including this paragraph (e), in all subcontracts and other contractual instruments.

23.7 Domestic Preference for Procurements

As appropriate, and to the extent consistent with law, the contractor should, to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States. This includes, but is not limited to iron, aluminum, steel, cement, and other manufactured products. For purposes of this clause: Produced in the United States means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States. Manufactured products mean items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.

23.8 Access to Records

- 1) The Contractor agrees to provide the District, California Office of Emergency Services, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.
- 2) The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
- 3) The Contractor agrees to provide the FEMA Administrator or their authorized representatives access to construction or other work sites pertaining to the work being completed under this contract.
- 4) In compliance with section 1225 of the Disaster Recovery Reform Act of 2018, the District and the Contractor acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the FEMA Administrator or the Comptroller General of the United States.

23.9 DHS Seal, Logo, and Flags

The Contractor shall not use the Department of Homeland Security (DHS) seal(s), logos, crests, or reproduction of flags or likenesses of DHS agency officials without specific FEMA pre-approval. The Contractor shall include this provision in any subcontracts.

23.10 Compliance with Federal Law, Regulations, and Executive Orders

This is an acknowledgement that FEMA financial assistance will be used to fund all or a portion of the contract. The Contractor will comply with all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

23.11 No Obligation by Federal Government

The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, Contractor, or any other party pertaining to any matter resulting from the contract.

23.12 Program Fraud and False or Fraudulent Statements or Related Acts

The Contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Contractor's actions pertaining to this contract.

24. NOTICES. All communication, notices, and demands of any kind which either party hereto may be required or may desire to give to or serve upon the other party may be given or served by manual delivery to such party or an office thereof or by enclosing it in a sealed envelope and depositing it in the United State mail, postage prepaid, registered, and addressed to the respective parties as follows:

To District:

Michael Flood, General Manager
Casitas Municipal Water District
1055 Ventura Avenue
Oak View, CA 93022
805.649.2251
mflood@casitaswater.com

To Consultant:

The effective date for all hand-delivered notices shall be the date of delivery. The effective date of all mailed notices shall be the second day following the deposit in the mail.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed the day and year first above written.

ATTEST: **CASITAS MUNICIPAL WATER DISTRICT**

Secretary,
Casitas Municipal Water District

By: _____
Casitas Municipal Water District

APPROVED AS TO FORM:

Dennis McNulty, Attorney
Arnold LaRochelle Mathews VanConas & Zirbel LLP

CONSULTANT

By: _____

Title: _____

Printed Name: _____

ATTACHMENT A -
44 C.F.R, PART 18 – CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned Contractor certifies, to the best of his or her knowledge, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers, (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. Chapter 38 Administrative Remedies for False Claims and Statements, apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Name and Title of Contractor's Authorized Official

Date