

Appendix G

**Site Safety and Security for the
Delta-Mendota Canal/California Aqueduct
Intertie Pumping Plant**

Site Safety and Security for the Delta-Mendota Canal/California Aqueduct Intertie Pumping Plant

I. Background

A. Brief Project Description

The proposed intertie between the federal Delta-Mendota Canal (DMC) and the state California Aqueduct (Project) will consist of a pumping plant and intake structure located on the Delta-Mendota Canal (DMC) and a turnout structure located on the adjacent California Aqueduct. The pumping plant and turnout are connected by two buried 108-inch diameter discharge/reverse flow pipelines. The buried pipelines will cross underneath the Transmission Agency of Northern California's (TANC) 500 kV transmission line. The pumping plant and turnout structure are separated by a horizontal distance of approximately 410 feet.

B. Site Location

The construction site is located at Mile Post 7.2 of the DMC, approximately 10 miles west of Tracy, California in Alameda County. The project site is on U.S. Department of the Interior (DOI), Bureau of Reclamation (Reclamation) withdrawn land and easement on State land. Access to the site is via West Grant Line Road and onto the east DMC operation and maintenance road.

II. Safety

A. General

Reclamation, as a matter of policy, is committed to provide safe and healthful working conditions and facilities to protect persons from injury/illness, to prevent accidental damage to facilities, and to prevent public exposure to unsafe conditions. To accomplish this policy, Reclamation has established and maintains an effective and comprehensive safety and health program which

meets or exceeds the standards or requirements issued by the Occupational Safety and Health Act (OSHA), the DOI, or Reclamation.

It is the responsibility of the contractor to develop and maintain an effective safety program on construction sites for contracts administered by Reclamation. Reclamation takes an active role in monitoring the contractor's safety program and ensuring compliance with their safety program and contract safety provisions. This is accomplished by frequent monitoring of job site safety conditions by Reclamation construction personnel, contractor weekly tool box meetings, monthly joint safety meetings, and periodic inspections by Reclamation's safety professionals.

B. Construction Safety

i. General

All construction contracts issued and administered by Reclamation must contain a version of the specification Section 01527 Safety and Health. The section requirements vary according to the size and complexity of the construction project. The specification section defines the contractor's safety responsibilities and along with contract clause WBR 1452.223-81 incorporates the Reclamation Safety and Health Standards (RSHS) into the contract. The specification section and the RSHS specifically detail the safety and health requirements for Reclamation and contractor activities and operations. See Attachment A for draft specification Section 01527.

ii. Contractor's Safety and Health

In accordance with the specification section, the Contractor must develop and submit for approval by the Contracting Officer's Representative (COR) a comprehensive written safety program covering all aspects of the onsite and applicable offsite operations and activities associated with the contract. Unless adequately covered in the original plan, the contractor must submit a supplementary detailed plan before starting each major phase of work or when requested by the COR. Onsite work must not begin until the COR has accepted the program or appropriate supplemental submittals. Initial and supplemental submittals must include a timetable for completing the required, detailed, job hazard analysis (JHA). See Attachment D for the outline of Contractor's Safety Plan.

Therefore the Contractor's Safety Plan therefore will include specific sections that address working near energized overhead powerlines and control of hazardous energy.

In accordance with the RSHS, the Contractor's Safety Plan must address the following when working near energized overhead powerlines:

- A signal or flag person must guide cranes, aerial lifts, or other high profile equipment in transit near exposed energized lines.
- Post all crossings where equipment will be moved under high voltage lines with appropriate signs.
- Prohibit equipment from coming within the minimum safe clearance of the high voltage line.
- Implement safety procedures to ensure that the insulation level of the air is maintained to avoid flashovers.

In accordance with the RSHS, the Contractor's Safety Plan must establish a hazardous energy control program (HECP) for the site. If a Reclamation program has been established for the site, then the Contractor must incorporate that into their safety plan. The HECP establishes the minimum performance requirements to control unexpected energization, release of stored energy, or start up of machinery or equipment that could injure employees. The HECP establishes written procedures, personnel training, and periodic inspections to ensure that during any of the contractor's activities that no release of stored energy could occur and cause injury or death and the machinery or equipment is isolated from all hazardous energy.

Specifically, the HECP will address the security zones established in the specifications in relationship to the Contractor's activities, the safety of employees, and the protection of the transmission line. The plan establishes written procedures for the issue of clearances to work or transport equipment in Zone 3, the proper training of employees in the HECP, and the administration and periodic inspection of the program.

The Contractor's Safety Plan will also include a Flashover Prevention Plan for all work under and adjacent to the TANC 500 kV transmission line. The plan would identify activities such as smoke from burning debris or power tools or their operation, water spray for dust control, etc. that could lead to fires, smoke, water spray, or other particulate matter or potential for other suspended fines between the ground and the 500 kV conductors. The intent of the plan is to address adequate safety procedures to ensure the insulation level of the air is maintained to avoid flashovers. Flashovers occur when higher voltage electricity "jumps across" an air gap to create a conductive path.

iii. Specification Section 01528 Contractor's Onsite Safety Personnel

The specification Section 01528 Contractor's Onsite Safety Personnel for the construction contract will require a full-time safety professional onsite during the construction of the project. The onsite safety professional is expected to strengthen the contractor's safety program through continual monitoring and oversight of the contractor's activities and operations. See Attachment B for draft specification Section 01528.

iv. Specification Section 01568 Site Security

a. General

The contract specification for the construction contract will contain a site security section. The section is customized according to the specific site security requirements. It is anticipated for this construction contract that the significant issues addressed by this section will include controlled access areas, personnel access requirements, and vehicle access requirements, personnel identification verification, and personnel identification. See Attachment C for draft specification Section 01568.

b. Controlled Access Areas

The construction site will be designated a controlled access area. The entire construction site will be fenced accordingly to prevent public access. Inside the controlled access area, multiple security zones will be established. The Contractor's office and equipment yard would be Zone 1. Zone 1 would be the lowest security zone allowing visitors access to the Contractor and Reclamation construction offices. Beyond Zone 1, only personnel with proper badges or escorted visitors would be allowed. This zone would be designated Zone 2 and would include the majority of the construction site. The 200 foot wide easement for the TANC 500 kV transmission line that crosses the construction right-of-way would be designated as Zone 3. See Figure No. 1 for access zones.

Any construction work performed within Zone 3 shall require submittal of specific JHA-Zone 3 (Job Hazard Analysis for Zone 3 Work). The JHA Zone 3 shall address all work activities and the associated safety and security measures that will be implemented. Any cranes, aerial lifts, or high profile equipment with the potential of coming within the minimum safe distance of the transmission line will not be allowed to operate in Zone 3. Zone 3 may be adjusted to prevent a particular piece of equipment operating in the other zones from violating the minimum safe clearance of the transmission line. Under no circumstance will a piece of construction equipment be allowed to operate in a location or configuration that would allow the possibility of any portion of that equipment to come within the minimum safe distance of the transmission line. The minimum safe distance for any overhead transmission line is designated in the RSHS or by the transmission line operating agency, whichever is more stringent.

Zone 3, defined by the TANC 500 kV transmission line 200-foot easement, will be designated by orange security fencing. Openings in the security fence will be necessary for vehicle travel along the construction right-of-way (ROW) for the discharge/reverse flow pipeline, access road construction, and access to the turnout structure. Normal vehicle traffic as well as heavy equipment will be allowed to move freely inside the construction ROW. However, cranes, aerial lifts, or other boomed or high profile equipment will require a special clearance

to be allowed to travel through Zone 3. See Figure No. 2 for detail view of Zone 3.

c. Personnel Access

In accordance with contract clause WBR 1452.237-80, the work performed under this contract shall only be accomplished by individuals (in the employment of the contractor or any subcontractor) whose conduct and behavior is consistent with the efficiency of the Federal Service and the requirements of this contract, and who are acceptable to the Contracting Officer (CO). If Reclamation finds a Contractor employee to be unsuitable or unfit for his or her assigned duties, the onsite government representative (OGR) will direct the Contractor to remove the individual from the contract and deny any access to the construction site.

Any Contractor employee that will have access to the site will be required to have a Personal Identification Verification (PIV) card, a temporary identification card, or a visitor badge. All Contractor employees shall access the facility via the facility's entry screening system and visibly display the Government-issued PIV card, temporary identification card, or visitor's badge.

C. Operation and Maintenance Safety

i. General

Reclamation's occupational safety and health policy is defined by directive and standard SAF-01-01 Occupational Safety and Health – General as part of the Reclamation Manual. The policy provides for the establishment of a training program that provides safety and health orientation and professional development necessary to meet management and operational safety and health needs. Each specific workplace is analyzed to identify specific safety and health needs. In addition, specific written hazard-specific programs and procedures are developed in accordance with regulations, standards, codes, or directives. Therefore it is anticipated the facility will have a Standard Operating Procedure (SOP), a Hazardous Energy Control Program (HECP), and a Site Security Plan.

ii. Standard Operating Procedure

An SOP is required to be available for the pumping plant and appurtenances upon transfer to operation and maintenance (O&M) status. Prior to transfer of the facility to operational status, a draft copy of the SOP will be made available.

The SOP will include all applicable operating instructions to adequately, safely, and reliably operate the pumping plant and intake structure and its appurtenant structures and equipment. Recommended contents and format for the SOP are

outlined within the Standing Operating Procedures Guide for Dams, Reservoirs, and Power Facilities.

All Reclamation operating procedures will incorporate measures which fulfill the provisions of the most current publication of Reclamation Safety and Health Standards and pertinent safety requirements of TANC. When safety and health standards require compliance with multiple and comprehensive safety and health program elements, procedures will be established which will allow for the safe and efficient accomplishment of the operations. Examples of operations which may require this degree of attention would include, but are not limited to: entry into confined spaces, rope-supported work, and operation and maintenance activities involving hazardous energy. For activities involving the control of hazardous energy, the procedures will comply with the Hazardous Energy Control Program (FIST Volume 1-1) and the area office's local hazardous energy control procedures.

iii. Facility Instructions, Standards, and Techniques (FIST) Volume 1.1 Hazardous Energy Control Program

A Hazardous Energy Control Program (HECP) will be developed specifically for the pumping plant and appurtenant structures by Reclamation O&M personnel. The HECP will incorporate specific hazardous energy control procedures for the facility, list the responsible official and authorized employees and their responsibilities, and define personnel training requirements.

The facility hazardous energy control procedures shall clearly and specifically outline the scope, purpose, responsibility, authorization, rules, and techniques to be used for the control of hazardous energy and the means to enforce compliance including, but not limited to, the following:

- A statement of the intended use of the procedure.
- Procedural steps for shutting down, isolating, blocking, and securing systems to control hazardous energy.
- Procedural steps for the placement and removal of lockout and tagout devices.
- Responsibility for placing, moving, or removing all protective grounds if required by Reclamation Safety and Health Standards.
- Requirements for inspecting and testing the system to verify the effectiveness of isolation and lockout and tagout devices
- Use of cranes, aerial lifts, and other high profile equipment at the facility and specifically address the 500 kV transmission line.
- Permanent marking of the 200-foot wide Zone 3.

iv. Site Security Plan

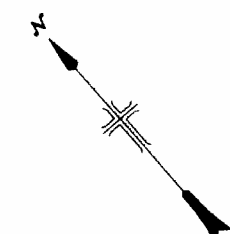
Site Security Plans are an important element of a facility's integrated security system. These plans document facility security responsibilities, systems, equipment, and procedures. Site Security Plans were required based on an Interim Policy Memorandum dated May 5, 2005, and via recommendations in Security Risk Assessments conducted on all facilities included in Reclamation's security inventory. The purpose of the memorandum is to provide a policy foundation for these recommendations. This interim policy will be incorporated into a Reclamation Manual Security Policy in the future.

Site Security Plans shall be prepared and/or updated following security risk assessments at all National Critical Infrastructure, Major Mission Critical, Mission Critical, and Project Essential facilities. Site Security Plans are recommended, but not required, for other facilities, including office buildings. Site Security Plans are revised as conditions warrant. Facility managers ensure that each Site Security Plan is prepared and incorporated into the facility emergency management program. The final documents are considered For Official Use Only and handled and stored as such.

The Site Security Plan is meant to work in conjunction with the Emergency Action Plan (EAP) and is practiced in conjunction with regularly scheduled EAP exercises for the facility. Exercises that involve the Site Security Plan are documented and reported as part of the annual Area Office Security Report and Regional Office Annual Security Assessment Report.

Each Reclamation Region has a Regional Security Officer, who oversees the security program for the Region. Within each Region, each Area Office has a security coordinator. Each Reclamation Region also has a Regional Special Agent who coordinates law enforcement issues with Reclamation's Law Enforcement Administrator in Denver and local law enforcement entities in the field.

Construction Control Point Data \triangle			
	Northing	Easting	Elevation
BC-Bross Cap No. 130 MP 6.95	2097488.61	6254432.98	198.45



LEGEND

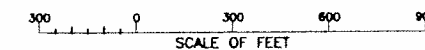
- USBR RIGHT OF WAY
- STATE RIGHT OF WAY
- CONSTRUCTION CONTROL POINT
- DESIGNATED SPOIL AREA
- RESTRICTED AREA
- ENVIRONMENTAL FENCING
- CONSTRUCTION EASEMENT
- PERMANENT EASEMENT

NOTES

1. Construction use areas exist within the designated easements of the State of California and within the limits of USBR Right of Way between Grantline Road and Interstate 205. Construction use areas shall be utilized as designated or as approved.
2. Environmental fencing to be installed by the contractor where shown.

CALIFORNIA STATE PLANE COORDINATE SYSTEM
 ZONE 3, U.S. SURVEY FEET
 HORIZONTAL DATUM: NAD 1983
 VERTICAL DATUM: NAVD 1988
 CONTOUR INTERVAL: N/A

Topography by Photogrammetry and Surveys Section, Field Operations
 Branch, Division of Design and Construction, Mid-Pacific Region.
 Compiled from photography: BR-DMC-18
 Date of photography: 8/26/02



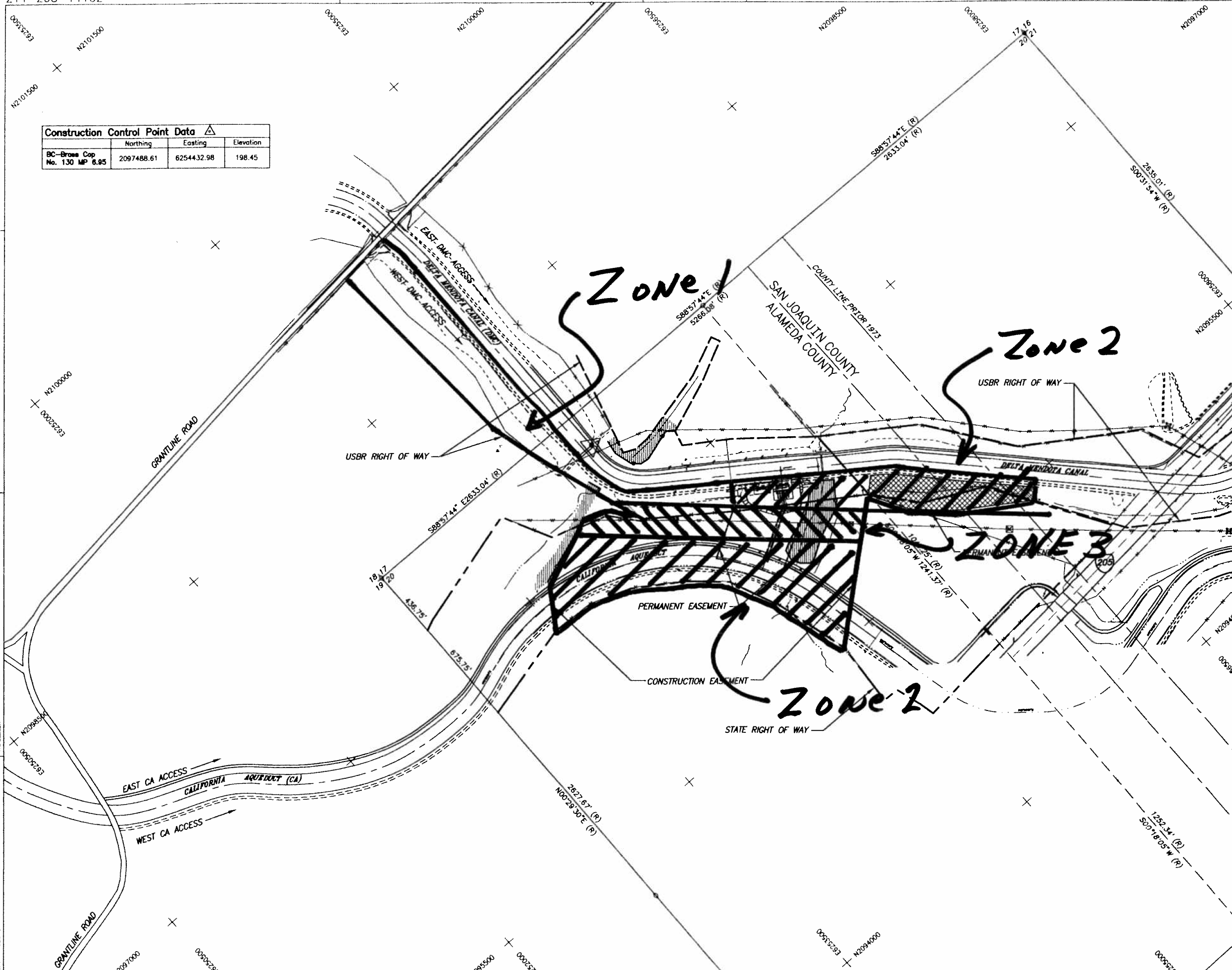
* Precision noted on water elevations for definition only.

ALWAYS THINK SAFETY

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 CENTRAL VALLEY PROJECT - CALIFORNIA
 DELTA DIVISION
 DELTA MENDOTA CANAL AND
 CALIFORNIA AQUEDUCT INTERTIE
 PUMPING PLANT
 GENERAL USE PLAN

DESIGNED *[Signature]* CHECKED *[Signature]*
 DRAWN *[Signature]* TECH. APPR. *[Signature]*
 APPROVED *[Signature]*
 ASSISTANT ENGINEER - CIVIL ENGINE

DATE AND TIME PLOTTED: SEPTEMBER 6, 2005 14:15
 PLOTTED BY: POSENER
 CAD SYSTEM: AutoCAD R14
 CAD FILENAME: 214-208-14102.DWG



D

C

B

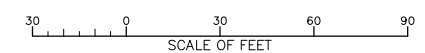
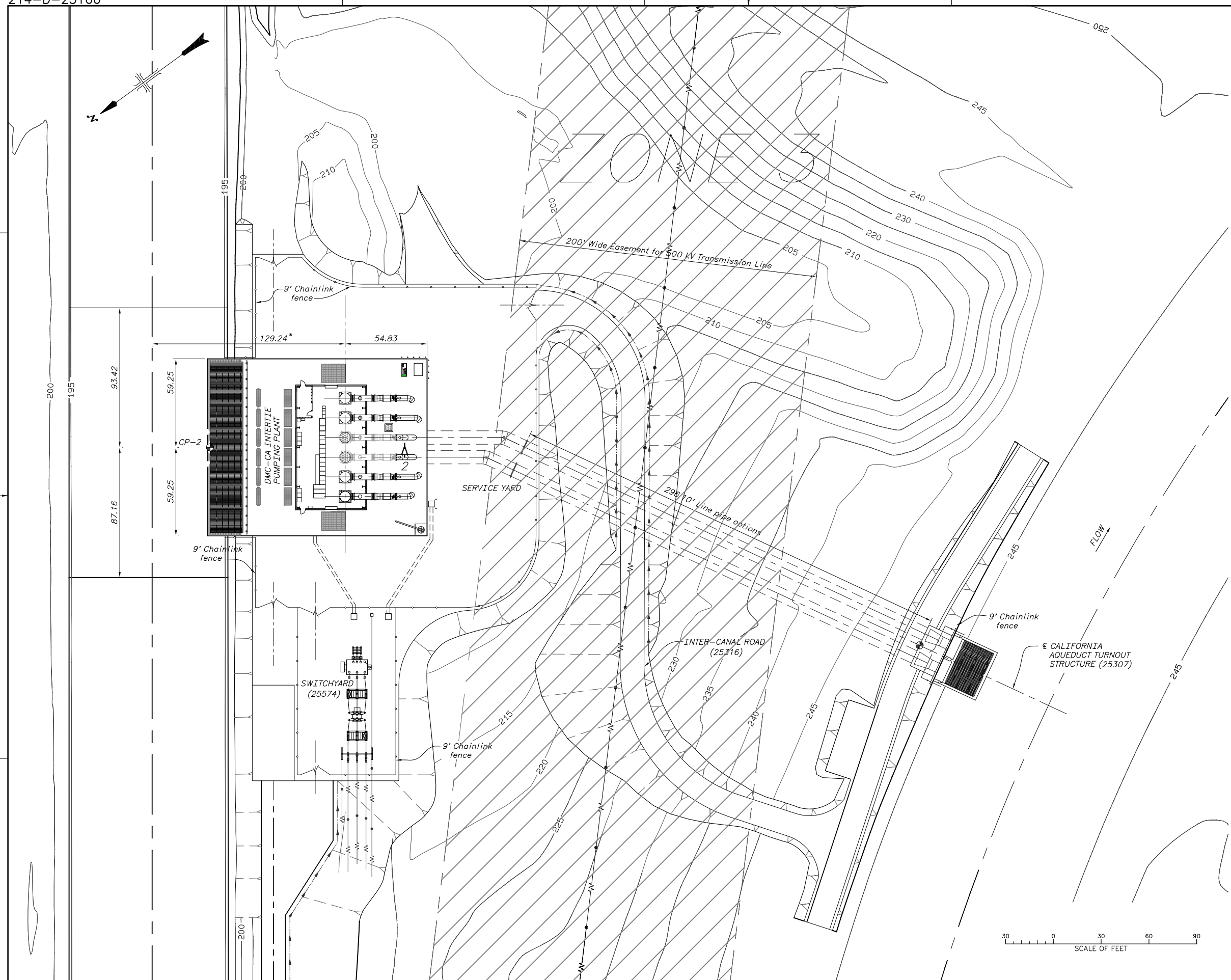
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D

C

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ALWAYS THINK SAFETY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
CENTRAL VALLEY PROJECT - CALIFORNIA
DELTA DIVISION

**DMC-CA INTERTIE PUMPING PLANT
SAFETY PLAN
ZONE 3 DETAIL**

DESIGNED M. R. O'Shea CHECKED Brian Goplen
DRAWN M. R. O'Shea/R. D. Rodriguez TECH. APPR. Brian Goplen, P.E.

APPROVED R. W. LaFond
Structural and Architectural Group

CADD SYSTEM AutoCAD Rev. 16.0s CADD FILENAME 214-D-25166 - SITE PLAN.DWG
DENVER, COLORADO 2005-08-24

FIGURE 2

PLOTTED BY:

Attachment A

Section 01527—Safety and Health

Part 1 General

1.01 Measurement And Payment

A. Cost:

1. Include in prices offered in the schedule for other items of work.

1.02 References

A. Bureau of Reclamation

1. USBR RSHS-2001 Reclamation Safety and Health Standards (RSHS)
 - a. Available online at: <<http://www.usbr.gov/ssle/safety/RSHS/rshs.html>>.
 - b. Hard copies available from:

The Government Printing Office
Superintendent of Documents
North Capitol and H St. N. W.
MS-SSMC - Room 566
Washington, D.C. 20401
(202) 512-1800
(Stock item GPO-024-003-00190-2)
 - c. Printed copies of RSHS are dated 2001. Electronic versions of the RSHS are dated 2002. These documents are identical. These specifications use the 2001 date.

1.03 Submittals

- #### A. Submit the following in accordance with Section 01330— Submittals.

B. RSN 01527-1, Safety program:

1. Written safety program in accordance with Section 3 of USBR RSHS.
2. Detailed supplemental safety plan for each major phase of work, to include timetables to complete job hazard analyses.
3. Develop a specific Flashover Prevention Plan for all work adjacent to and underneath the Transmission Agency of Northern California's (TANC) 500 kV transmission line. The plan would identify activities such as smoke from burning debris or power tools or their operation, water spray for dust control, etc. that could lead to fires, smoke, water spray, or other particulate matter or potential for other suspended fines between the ground and the 500 kV conductors. The intent of the plan is to address adequate safety procedures to ensure the insulation level of the air is maintained to avoid flashovers. Flashovers occur when higher voltage electricity "jumps across" an air gap to create a conductive path.

C. RSN 01527-2, Monthly accident summary report:

1. Form 7-2218 or other acceptable form in accordance with paragraph 3.8 of USBR RSHS.

1.04 Project Conditions**A. Comply with USBR RSHS and applicable OSHA regulations.****B. Provide and maintain a work environment and procedures that will:**

1. Safeguard the public and Government's personnel exposed to Contractor operations and activities.
2. Avoid interruptions of site operations and delays in project completion dates.
3. Control costs in contract performance.

- C. Do not require persons employed in performance of this contract, including subcontracts, to work under conditions which are unsanitary, hazardous, or dangerous to the employee's health or safety.**
- D. Provide appropriate safety barricades, signs, and signal lights.**
- E. Maintain accurate record of and report to the CO:**
 - 1. All employee injuries and illnesses deemed recordable, as defined by OSHA 29 CFR 1904.
 - 2. Any traumatic injury the members of the public that occur on the worksite.
 - 3. Property damage in excess of \$2,500.
 - 4. Fatalities and multiple hospitalization incidents, as defined by OSHA 29 CFR 1904. Notification to the CO will be within the same reporting timeframe as required by OSHA, but does not relieve the contractor of its obligation to also notify OSHA of the incident.

Part 2 Products

Not used.

Part 3 Execution

Not used.

End of Section

Attachment B

**Section 01528—
Contractor's Onsite Safety Personnel**

Part 1 General

1.01 Measurement and Payment

A. Cost:

1. Include in prices offered in the schedule for other items of work.

1.02 Submittals

A. Submit the following in accordance with Section 01330— Submittals.

B. RSN 01528-1, Resume:

1. Safety Professional.

C. RSN 01528-2, Safety Inspection Reports:

1. Include a list of noted deficiencies, their abatement dates, and follow-up action for all jobsite activities.
2. Base inspection report on findings of jobsite walk-through with Government personnel.

1.03 Qualifications

A. Safety Professional:

1. Holds professional status in the safety field by virtue of education, training, certification and experience.

1.04 Application

A. Employ a full-time onsite Safety Professional as the Contractor's Onsite Safety Representative prior to start of construction.

1. Devotes full time toward accident prevention and shall not be used to perform any other portion of the Contractor's work under this contract.

B. Safety Professional duties, and responsibilities:

1. Review and approve the Contractor's Safety Program prior to submittal.
2. Full authorization to correct unsafe acts on the spot.
3. Prepare safety inspection reports.
4. Onsite during any and all construction activities.

1.05 Quality Assurance

A. Contractor's Onsite Full-time Safety Professional:

1. The effectiveness of the Contractor's onsite full-time Safety Professional in prosecuting the safety program will be subject to continued review and approval by the CO.

B. Safety Program:

1. The effectiveness of the Contractor's Safety Program will be subject to continued review and approval by the CO.

Part 2 Products

Not used.

Part 3 Execution

Not used.

End of Section

Attachment C

Section 01568—Site Security

Part 1 General

1.01 Measurement and Payment

A. Cost:

1. Include in prices offered in Schedule for other items of work.

1.02 Requirements for Working at Delta-Mendota/California Aqueduct Intertie Pumping Plant

A. Background

1. The Delta-Mendota/California Intertie Pumping Plant is located adjacent to and underneath critical infrastructure.

B. Authorities for Requirements

1. The security requirements at Delta-Mendota/California Intertie Pumping Plant are based on Reclamation Manual Directives and Standards, SSLE 01-01, Personnel Security and Suitability.

C. Controlled Access Areas

1. Non-Critical Areas
 - a. Security Zone 1— Area designated for Contractor's office buildings and job entrance area. Area accessible by construction personnel and visitors.
2. Critical Area
 - a. Security Zone 2 – Restricted personnel access.
 - b. Security Zone 3 – Restricted personnel and vehicle access.

D. Personnel Access Requirements

1. Security Zone 2 – All contractor personnel entering Security Zone 2 areas shall be properly badged as described below.

- a. Unescorted Access:
 - 1) The Contractor shall designate individuals requiring unescorted access and/or escort privileges into Security Zone 2 and 3. Those individuals shall be subjected to a full background check or equivalent in accordance with Article entitled "Personal Identification Verification (PIV) - Zoned Areas" requirements.
 - 2) In addition, personnel shall complete 1 hour of security training. This site-specific training will initially be provided by Reclamation personnel but the responsibility will be turned over to the Contractor. Attendance in the training shall be documented and maintained onsite by the Contractor.
 - 3) In so far as is practicable, the Contractor should complete the required PIV paperwork, fingerprinting and security training process at least 30 days before their anticipated start work date in Security Zone 2 and 3 areas so as not to impact scheduled work. A red contractor picture badge marked for unescorted access and/or escort privileges to Security Zone 3 will be issued upon receiving clearance. An interim Unescorted Access badge may be granted after the Reclamation Construction Office receives the results of a preliminary criminal records check.
- b. Escorted Access:
 - 1) Visitors may enter Security Zone 3 if they have been issued a visitor badge and are escorted by an approved escort (person with Unescorted Access badges marked "escort").
 - 2) A red contractor badge identifying that the contractor has escorted access to Security Zone 3 will be issued after the Security Training described in a.) above has been completed.
- c. Escorts taking persons into Security Zone 3 shall continuously monitor the escorted personnel so that the employee overseeing the activity ensures that the escorted personnel do not enter an unsafe area. Escorts may turn the escorted personnel over to another approved escort to ensure uninterrupted monitoring of escorted personnel. Escorted contractor personnel shall be monitored continuously by approved contractor escorts.

E. Vehicle Access Requirements

1. Vehicle Access
 - a. No personal vehicles are allowed in Zones 2 and 3.
 - b. Contractor trucks and heavy equipment are allowed to travel and operate in Zone 2. No cranes, aerial lifts, or high profile equipment with the capability of coming within the minimum safe distance of the transmission line are allowed to operate in Zone 3. All said equipment may be transported or travel through Zone 3 if escorted by contractor personnel holding an escort badge. The limits of Zone 3 will be

modified to ensure any equipment operating in Zones 1 and 2 also cannot come within the minimum safe distance of the transmission line. All cranes, aerial lifts, or high profile equipment operating in Zones 1, 2, or 3 will require a clearance issued in accordance with the Hazardous Energy Control Program.

2. Deliveries

- a. All delivery vehicles must wait at the designated site access points for an approved escort before proceeding, and are subject to search and/or inspection by Reclamation.

F. Loss of Access Badges

1. Contractors who lose an access badge should report it immediately to the Contracting Officer's Representative (COR). Failure to report a lost badge may result in denial of a replacement badge.

G. Misuse of Access Badges

1. Contractors that misuse the access badges issued by Reclamation, enter unauthorized Security Zones, provide badge to others, follow improper escort procedures, or other misuses face the following actions:
 - a. First offense—warning and requirement to retake the Security Training.
 - b. Second offense—permanent loss of access badge.

1.03 Submittals

A. Submit the following in accordance with Section 01330—Submittals.

B. RSN 01568-1, Security Program:

1. Identify procedures for restricting entry onto project site to authorized persons.
2. Develop and implement Identification Badging process for critical areas.
3. Develop security plan and procedures for monitoring personnel and vehicle entry and egress to project site, control access to Zones 2 and 3, and develop a security sensitive traffic circulation plan for the various phases of work.

C. RSN 01568-2, List of Onsite Employees and Vehicles:

1. Provide list of employees. The list shall provide the full name, social security number, date of birth, place of birth, purpose or job title, and the estimated duration of access.
 - a. Designate individuals for "Unescorted Access" or "Escorted Access".

2. Provide list of contractor vehicles and equipment. The list shall provide vehicle description, license number and state as applicable, year, make, and model.
3. Update and resubmit RSN 01568-2 monthly, or as employees and/or vehicles are added or deleted.

1.04 Criteria to Develop Security Program

- A. Site access is limited to those access points shown on the Drawings.
- B. The Contractor is responsible to control access through these site access points and provide overall security for the Government facilities.
- C. When security fence or device protecting a critical area is removed for construction, a new “temporary critical area” perimeter fence shall be installed and maintained until the area is secured in accordance with Section 01565 – Existing Fences.
- D. Personnel not having the required ID on their person at all times shall be subject to immediate removal from the site.

1.05 Responsibilities

- A. Protect work and existing facilities from unauthorized entry, theft, and vandalism.
- B. Initiate a security program in coordination with Government's existing security procedures at job mobilization.
- C. Maintain security throughout construction period until acceptance of work by the Contracting Officer (CO).

1.06 Entry Control

- A. Photo ID required for each employee entering site.
- B. Entrance to site will be limited to authorized personnel and vehicles.
- C. Maintain a continuous log of workmen and visitors and make available to the Government on request.

1.07 Personnel Identification (ID)—Critical Areas

- A. For all employees entering critical areas, issue a durable CO approved identification card to each person authorized to enter site with the following information.**
 1. All ID's: a single unique background color, but not Blue, Red or Green.

2. Employee's name
3. Employee's photograph
4. Assigned identification number or alpha numeric ID.
5. Card issue and expiration date.
6. Responsible employee's supervisor name and phone number(s).
7. Responsible On-site Government Representative name and phone number(s).

B. Maintain a list of authorized persons and provide a copy to the COR.

C. Collect card from authorized person at completion of their work at site and surrender to the COR.

1.08 Personnel Identification Verification Identification (PIV-ID)—Critical Areas

- A. Follow requirements as stipulated in WBR 1452.237-80 Security Requirements Contract Clause, (c) Contractor Employee Suitability and Issuance of Government Identification Cards.
- B. The Contractor designated individuals shall provide the required PIV paperwork to the designated Reclamation Office after scheduling an appointment through the COR. Reclamation will photograph and fingerprint the individuals for the process.
- C. Maintain a list of authorized persons issued a PIV-ID and provide a copy to the COR.
- D. Collect PIV-ID card from authorized person at completion of their work at site and surrender to the COR.

Part 2 Products

Not used.

Part 3 Execution

Not used.

End of Section

Attachment D

Contractor Safety Program Outline

I. General Requirements

- a. Statement of Policy
- b. Statement of Safety and Health Responsibilities
- c. Statement of Compliance with Regulations, Standards, and Codes
- d. Statement of Subcontractor Compliance
- e. Safety Inspection Procedures
- f. Accident Investigation and Reporting Procedures
- g. Applicable Emergency Plans
- h. Confined Space Procedures
- i. Lockout/Tagout Procedures
- j. Fire Protection Plans
 - i. Type and location of suppression equipment or systems
 - ii. Offsite assistance agreement
 - iii. Temporary heating devices

II. Medical

- a. Facilities
- b. Training
- c. Certifications
- d. Physician
- e. Ambulance (Name, location, and telephone number)
- f. Physical Qualification of Employees
- g. Records

III. Communications

- a. Employee Training
- b. Safety Meetings

- c. Onsite Training
- d. Supervisor Training

IV. Occupational Health

- a. Procedures and Equipment to Minimize Hazards
- b. Testing program for employees and work environments
- c. Qualified personnel
- d. Personal protective equipment
- e. Ventilation plans

V. Machinery and Mechanical Equipment

- a. Procedures and Equipment to Minimize Hazards
 - i. Testing program for employees and work environments
 - ii. Mobile and stationary equipment
- b. Inspection Procedures
- c. Maintenance Procedures
- d. Operating Personnel
- e. Protective Safety Devices and Certifications
- f. Aerial Lifts

VI. Excavation and Demolition

- a. Excavations
 - i. Slide protections
 - ii. Support systems
 - iii. Inspections
 - iv. Access
- b. Haulage
 - i. Haul roads
 - ii. Equipment and Procedures

VII. Working Surfaces

- a. Access
 - i. Ladders
 - ii. Platforms, stairways, and ramps
- b. Personal Protective Equipment

- c. Scaffolding
- d. Safety Nets

VIII. Protection of the Public

- a. Signs and Barricades
- b. Flagging Procedures
- c. Jurisdictional Approvals

IX. Marine and Diving Operations

- a. Detailed Plan and Written Procedures

X. Electrical Facilities

- a. Working Near Exposed Energized Overhead Lines
- b. Substations and Switchyards

XI. Required Safety Program Coordination

- a. Confined Space Program
- b. Hazardous Energy Control Program

