
FINAL ENVIRONMENTAL ASSESSMENT (09-149)

*LONG-TERM CONTRACT FOR THE EXCHANGE OF WATER BETWEEN THE
BUREAU OF RECLAMATION AND BYRON-BETHANY IRRIGATION DISTRICT –
DELTA DIVISION AND SAN LUIS UNIT*

Appendix I
Reclamation's Cultural Resources Determination

December 2013

Healer, Rain L

From: Soule, William E
Sent: Monday, December 12, 2011 1:10 PM
To: Healer, Rain L
Cc: BOR MPR Cultural Resources Section
Subject: RE: BBID Proposed Pipeline & Operational Exchange Water Agreement

Rain:

Re: 10-SCAO-102 Byron Bethany Irrigation (BBID) Long-Term Water Exchange Agreement for the Tracy Hills Water Supply Project, Alameda County, California.

The proposed undertaking of a long-term water exchange agreement between the BBID and the Bureau of Reclamation for the Tracy Hills Water Supply Project was determined to be the type of action that had the potential to cause effects to historic properties. Accordingly, Reclamation initiated the Section 106 process which included a review of existing records and literature, a field reconnaissance, and Native American consultation as documented in the report by CH2MHill titled "*Cultural Resources Assessment of a 5.9-acre Parcel for the Tracy Hills Water Supply Project, Byron Bethany Irrigation District, Alameda County, California*" (August 2011). These efforts resulted in the identification of four built-environment historic cultural resources in the project area of potential effects (APE), all of which are water conveyance features.

In a letter dated September 07, 2011, Reclamation initiated consultation with the California State Historic Preservation Officer (SHPO), inviting the SHPO's comments regarding our delineation of a project APE and the appropriateness of our efforts to identify and evaluate historic properties within that APE. Reclamation also requested the SHPO's concurrence on our finding of no adverse effect, made pursuant to 36 CFR Part 800.5(b). Our records show that the SHPO received our consultation package on September 8, 2011 via certified/registered mail. The SHPO has not provided comment or objection with the 30 day time frame as prescribed in 36 CFR Part 800.

As a result, Reclamation has fulfilled its Section 106 responsibilities for this undertaking. We will continue to seek the SHPO's concurrence on our finding and in the event that the SHPO re-enters consultation, Reclamation shall attempt to resolve any objection while the project is allowed to proceed. This email is intended to convey the conclusion of the Section 106 process for this undertaking. Please retain a copy in the administrative record for this project. Thank you for providing the opportunity to comment.

Sincerely,

Bill

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Appendix J
Reclamation's Indian Trust Assets Determination

December 2013

Healer, Rain L

From: Rivera, Patricia L
Sent: Monday, February 08, 2010 1:00 PM
To: Healer, Rain L
Subject: RE: EA-09-149 Byron-Bethany ID Long-term Warren Act

Rain,

I reviewed the proposed action to execute a 40-year Warren Act contract with Byron-Bethany Irrigation District (BBID) for conveyance of their non-project San Joaquin-Sacramento River Delta water through the Delta-Mendota Canal (DMC) to the City of Tracy's (City) Water Treatment Plant. Additionally, Reclamation proposes to execute a 40-year easement for placement of BBID's new discharge pipeline at the headwall of the DMC.

The Proposed Action would utilize BBID and Reclamation facilities to convey up to 4,500 acre-feet per year (AFY) to the City's Water Treatment Plant. The facility improvements required to convey the water to the existing City turnout include: upgrading BBID Pump Station 3, construction of a new underground pipeline from Pump Station 3 to the DMC, and an aboveground portion of the pipeline for discharge into the DMC. Specific construction activities would include the following:

Pump Station

Proposed Pump Station 3 improvements include a new pump, motor, and associated facilities. The current Pump Station 3 site would need to be modified slightly by installing a retaining wall to improve access. The existing 16-cubic foot per second (cfs) pump and motor would be replaced with a larger 20-cfs pump and 460-horsepower motor to accommodate increased pumping requirements. A new precast building would be placed in the same location as the existing motor control center equipment. A new reinforced concrete pad and transformer would replace the existing pole-mounted transformers and would be located directly below the existing transformers.

Pipeline

The proposed pipeline would be approximately 0.4 mile long and constructed with either 30-inch diameter welded steel or ductile iron pipe. The pipeline would be aligned in a general southern direction toward the DMC and would transition to belowground just north of Pump Station 3. A turnout would be provided to deliver water where the intersection with Canal 155 to supplement the existing Canal 155 pump (11 cfs) as needed. The proposed pipeline would transition from belowground to aboveground at the DMC and discharge near the head wall of the DMC. The discharge would consist of either a 45- or 90-degree elbow angled toward the DMC and located approximately three feet above the high water level of the DMC to prevent siphoning.

Access and Construction

Access to the Proposed Action site would be via an existing gravel access road that turns south from Kelso Road to the pumping plant and proposed laydown area. Approximately 250 yards of the existing access road directly north of Pump Station 3 would be stabilized with 30-foot wide by 4-inch thick aggregate base to allow for everyday construction traffic. Access along the pipeline corridor would occur within the proposed 60-foot temporary work space required to install the pipeline. The pipeline corridor would be cleared and grubbed to make it fairly level for pipeline installation and to allow access by construction equipment and personnel.

The area of disturbance required to complete the proposed improvements at the pump station is approximately 2 acres. An additional approximately 2-acre laydown and stockpiling area would also be required adjacent to and west of Pump Station 3. The laydown area would be used to temporarily store contractor equipment, spoils and other materials including pipe. Installation of the pipeline would require a temporary 60-foot wide disturbance area to accommodate the actual pipe trench, construction equipment, excavated materials, pipe laydown, and access. Staging the site would take approximately one month, which would include stabilizing the access road, clearing and grubbing the pipeline corridor, and demolition of the pump station facilities to be replaced.

Concurrent work would begin on pipeline installation and Pump Station 3 improvements. Onsite construction equipment would include one excavator, one loader, one dump truck, one compactor, and one small crane. The approximate volumes of earthwork required would be about 600 cubic yards of total cut, which would be spread out along the pipeline corridor upon completion. It is anticipated that no borrow material would be needed.

Construction of the Proposed Action facilities is anticipated to take approximately eight to 12 months. Pipeline installation is anticipated to take approximately three months and work associated with the pump station improvements would likely take six to seven months.

The proposed action does not affect Indian Trust Assets. The nearest ITA is the Lytton Rancheria approximately 42 miles NW of the project area.

Patricia