

Texas Water Development Board

P.O. Box 13231, 1700 N. Congress Ave.
Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

August 19, 2016

STATEMENT OF FINDINGS

TO ALL INTERESTED AGENCIES AND PUBLIC GROUPS:

As provided for by the Permanent Rules of the Texas Water Development Board (TWDB), 31 Texas Administrative Code § 371.50, for projects funded through the Drinking Water State Revolving Fund (DWSRF) Program and consistent with the National Environmental Policy Act (NEPA), 42 U.S. Code § 4321, et seq., the Board's Executive Administrator issues this Statement of Findings (SOF) for the following project:

City of Edinburg, Hidalgo County, Texas
West Water Treatment Plant Expansion Project
DWSRF Project No. 62597
Total Estimated Project Cost: \$15,830,000

The City of Edinburg (City) is proposing to use DWSRF funding to complete the West Water Treatment Plant (WTP) Expansion Project, including additional minor project components. On September 19, 2013, the TWDB committed \$10,425,000 of DWSRF funding for the 8-million-gallon-per-day (MGD) expansion at the City's West WTP on Monmack Road in Edinburg, Texas. The original project, which is in progress, consists of: 1) installation of raw water pumps in the existing raw water pump station; 2) construction of transfer pumps, a rapid mix basin, a solids contact clarifier, a filtration basin, a backwash, and a 2-million-gallon clearwell; 3) installation of bulk storage tanks, a chemical feed, and a sludge thickener; 4) construction of a maintenance building, filter building, dewatering building, and several high service pump stations; and 5) yard piping and other miscellaneous appurtenances. On February 14, 2014, the TWDB issued a Finding of No Significant Impact (FNSI) for the original West WTP Expansion Project. While the West WTP Expansion Project was in progress, the City determined that the existing reservoir system would not provide adequate raw water to meet the future treatment capacity. The City is requesting \$5,405,000 of additional DWSRF funding, for a total of \$15,830,000, to complete the 8 MGD expansion project and the additional components described herein.

In addition to completing the 8 MGD expansion at the City's West WTP, the proposed project will include rehabilitation of the existing reservoir system and construction of a new raw water pump intake and lift station at the West WTP to address the additional needs of the West WTP expansion project. Specifically, the DWSRF project includes planning, design, and construction costs related to: 1) the replacement of sluice gates between reservoirs and outlets;

Our Mission	:	Board Members
To provide leadership, information, education, and support for planning, financial assistance, and outreach for the conservation and responsible development of water for Texas	:	Bech Bruun, Chairman Kathleen Jackson, Board Member Peter Lake, Board Member
	:	Jeff Walker, Executive Administrator

2) the clean-out of Reservoir Cell #2; 3) the installation of reinforced concrete culvert pipes to connect Reservoir Cell #2 to the existing Hidalgo County Irrigation District #1's (HCID1's) Edinburg Main Canal; 4) the construction of a raw water lift station; and 5) completion of the 8 MGD expansion of the West WTP. The existing sluice gates will be replaced with 24- and 36-inch cast iron gates. Reservoir Cell #2 will be connected directly to the Edinburg Main Canal through either 42- or 60-inch reinforced concrete pipe via HCID1's existing 150-foot right-of-way abutting the southern boundary of Reservoir Cell #2. The proposed raw water lift station and appurtenances will be constructed at the northern boundary of Reservoir Cell #2 and will be built for a total of six pumps (four 6,000-gallon-per-minute pumps will be installed in this first phase). The lift station site length, width, and depth will be approximately 36 feet by 10.5 feet by 23 feet, respectively, and the structure will be constructed with concrete (see attached map).

The proposed project site is within the City's existing West WTP and the proposed additional project elements are of the same nature and purpose as the originally proposed project and will have no adverse environmental impacts. The proposed project was coordinated with the United States Army Corps of Engineers (Project Number SWG-2013-00612).

To fulfill DWSRF program requirements for environmental review, the TWDB is issuing this SOF to include the additional water treatment plant expansion components with the proposed project. Issuance of this SOF specifically satisfies the NEPA compliance requirements for project elements funded through the DWSRF program.

The proposed water treatment plant expansion project is considered to be environmentally sound with the following conditions:

- Standard emergency conditions for the discovery of cultural resources; and
- Standard emergency conditions for the discovery of threatened and endangered species.

Comments regarding this determination may be submitted to the Director of Regional Water Planning and Development, Texas Water Development Board, P.O. Box 13231, Austin, Texas 78711-3231.

Sincerely,



T. Clay Schultz, Ph.D., Director
Regional Water Planning and Development

LD/TCS: ar

Jul 12, 2016 - 3:36pm ramosm
 G:\1540\4658-01 Edinburg West WTP\Eng\Design\Sheet Files\1200V-001.dwg



OVERALL SITE LAYOUT
 SCALE: 1" = 100'



FOR CONTINUATION - SEE DRAWING NO XXXXX-XXX

REVISIONS	
NO.	DATE
	SEPT. 2014
	ISSUED FOR CONSTRUCTION
	APP.

DESIGNED BY: CBP
 DRAWN BY: MR/HRV
 CHECKED BY: CBP
 APPROVED BY: CBP
 DATE: SEPTEMBER 2014

DANNENBAUM
 ENGINEERING COMPANY-McALLEN, LLC
 1108 Hildreth Street, Suite 200
 McAllen, TX 78501
 P.E. REGISTRATION NO. F-4889



CITY OF EDINBURG
 WEST WATER TREATMENT PLANT
 EXPANSION
 RESERVOIR PUMP STATION
 OVERALL SITE LAYOUT (1 OF 2)

SCALE BAR IS ONE INCH ON ORIGINAL DRAWINGS

PROJECT NO: 4658-01
 DRAWING NO: 1200V-0XX
 SHEET NO: OF 180