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Austin, TX 78711-3231, www.twdb.texas.gov
Phone (512) 463-7847, Fax (512) 475-2053

ENVIRONMENTAL DETERMINATION

TO: File

FROM: T. Clay Schultz, Ph.D., Director, Regional Water Project Development

Clay Schultz
Digitally signed by Clay Schultz
Date: 2025.09.15 07:31:42 -05'00'

SUBJECT: City of Denton, Denton County, Texas
TWDB SWIFT Project No. 51083
Ray Roberts Water Treatment Plant Expansion Project, Phase I
Total Commitment Amount: $195,845,000
Loan Nos. LM2401829, LM2501829, LM2601829, LM2701829, LM2801829

The environmental review for the proposed City of Denton (City) Ray Roberts Water Treatment Plant (WTP) Expansion Project, Phase I, has been completed consistent with 31 Texas Administrative Code (TAC) § 363.14. The City is proposing to use $195,845,000 in financing from the State Water Implementation Fund for Texas (SWIFT) Program to expand the Ray Roberts WTP treatment processes and facilities, rehabilitate the raw water pump station, which pumps lake water to the WTP, and install a new parallel raw water pipeline to provide redundancy and resiliency in the water supply to the WTP. The Texas Water Development Board (TWDB) committed this financing on July 23, 2024. Closings will be spaced out until 2028, as the funds are needed.

This environmental review is documented by the enclosed Environmental Determination (ED), which contains mitigative environmental conditions that will be applied to the project to avoid significant adverse impact on waters of the U.S., floodplains, cultural or historical resources, threatened or endangered species, and protected migratory bird species.

Based on a detailed environmental review of the planning information, the Environmental Data Form received by the TWDB on June 17, 2025, with the supplementary materials submitted to the TWDB on July 21, 2025, the project meets the requirements of 31 TAC § 363.14 with the following special and standard environmental conditions:

<u>Special Environmental Conditions</u>

- To avoid potential impacts to waters of the U.S., including wetlands, water line crossings of waterways will be performed by a trenchless method (USACE No. SWF-2025-00223).
- Consistent with the Flood Insurance Reform Act of 2004, federal Executive Order 11988 as amended by EO 13690, Texas Water Code Section 16.315, and local floodplain development ordinances, a floodplain development permit will be obtained

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Bryan McMath, Executive Administrator

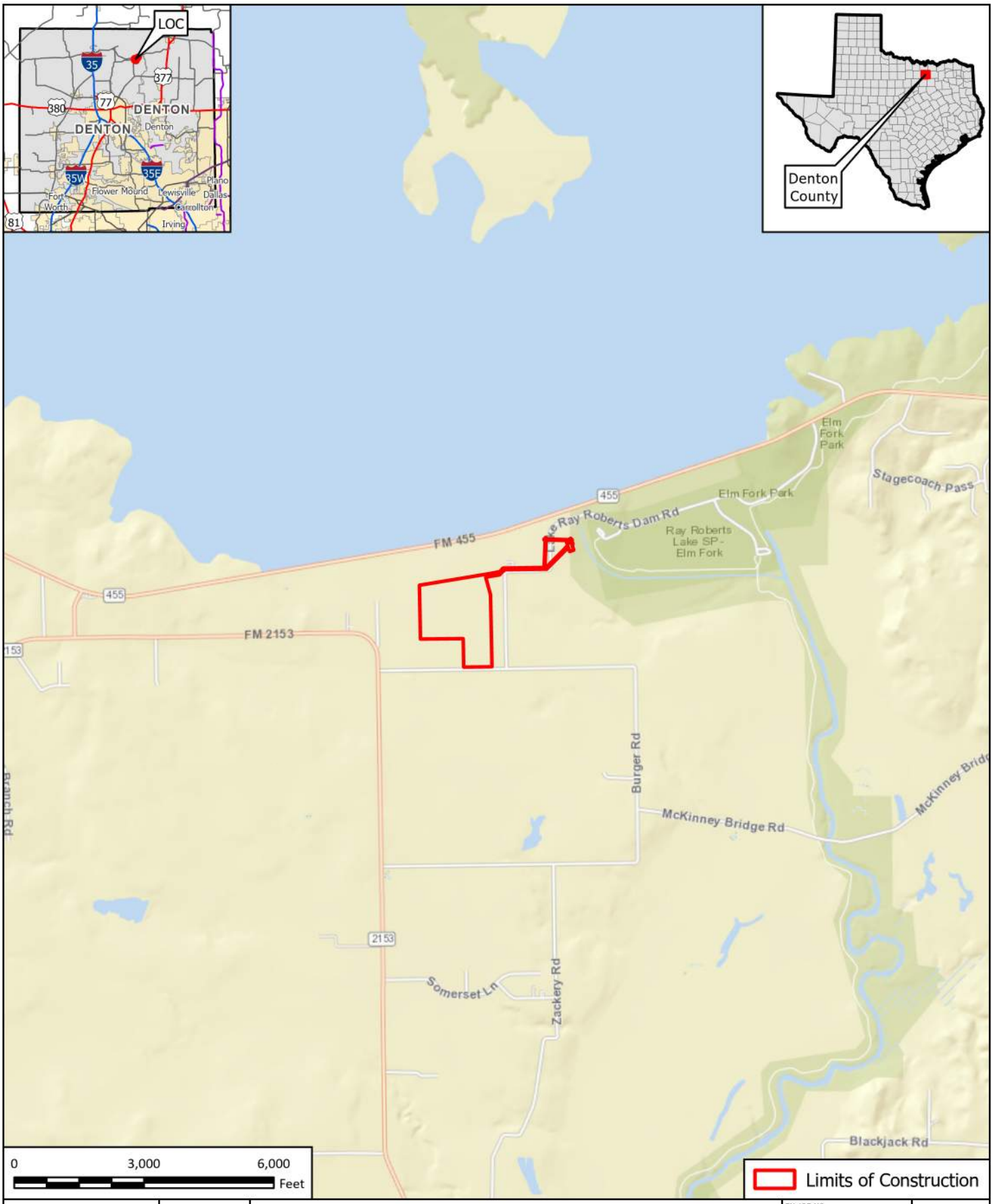
from the local floodplain administrator prior to construction in, across, or under a Special Flood Hazard Area, and any requirements contained therein will be adhered to.

Standard Environmental Conditions

- Consistent with the TWDB Supplemental Construction Contract Conditions (TWDB-0552), the City of Denton (City) will abide by the standard emergency condition for the discovery of cultural resources.
- Consistent with the TWDB Supplemental Construction Contract Conditions (TWDB-0552), the City will abide by the standard emergency condition for the discovery of threatened and endangered species.

With the addition of these requirements, design funds may be released once all other requirements are satisfied.

Enclosures



FREESE AND NICHOLS
FREESE AND NICHOLS, INC
101 S. Locust, Suite 202
Denton, TX 76201
Phone - (940) 220 - 4340

N W E S

CITY OF DENTON

Ray Roberts Water Treatment Plant Expansion

Vicinity Map

FN JOB NO	DTN24612
LAYOUT NAME	Fig1_Vicinity
DATE	5/2/2025
DESIGNED	MK
DRAFTED	AO

1

FIGURE

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NAD 1983 StatePlane Texas North Central FIPS 4202 Feet

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CITY OF DENTON

Ray Roberts Water Treatment Plant Expansion

Aerial Map

FN JOB NO	DTN24612
LAYOUT NAME	Fig2_Aerial
DATE	5/2/2025
DESIGNED	MK
DRAFTED	AO

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FIGURE

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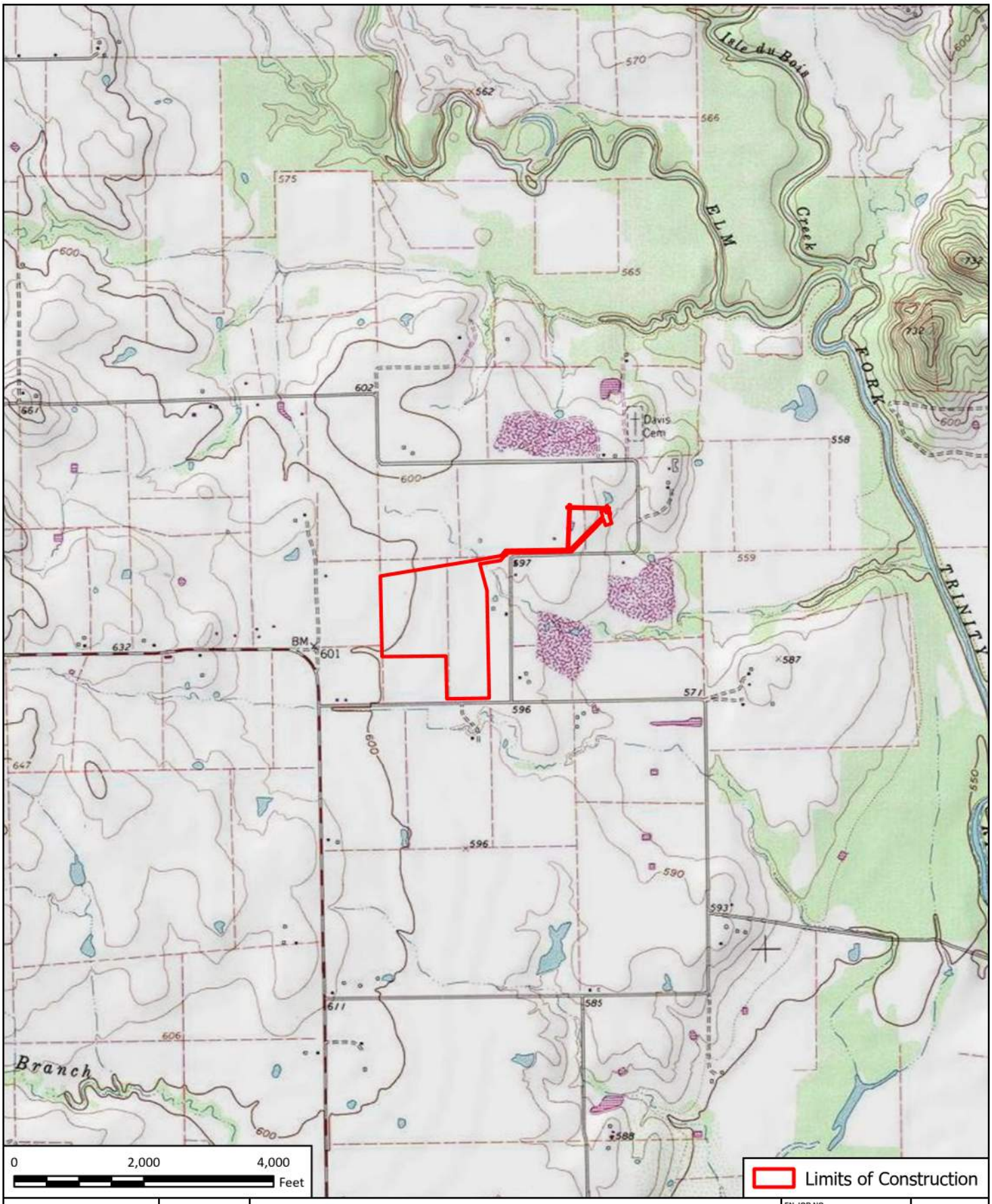
NAD 1983 StatePlane Texas North Central FIPS 4202 Feet



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CITY OF DENTON

Ray Roberts Water Treatment Plant Expansion

USGS Topographic Map

Quad Name: Green Valley

FN JOB NO	DTN24612
LAYOUT NAME	Fig3_Topo
DATE	5/2/2025
DESIGNED	MK
DRAFTED	AO

3

FIGURE

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CITY OF DENTON

Ray Roberts Water Treatment Plant Expansion

Field-Mapped Potential WOTUS Map

FN JOB NO	DTN24612
LAYOUT NAME	Fig6_Field Waterbodies
DATE	5/2/2025
DESIGNED	MK
DRAFTED	AO

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FIGURE

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CITY OF DENTON

Ray Roberts Water Treatment Plant Expansion

FEMA 100-Yr. Floodplain and NHD Map

FN JOB NO	DTN24612
LAYOUT NAME	Fig4_Flood
DATE	5/2/2025
DESIGNED	MK
DRAFTED	AO

6

FIGURE

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NAD 1983 StatePlane Texas North Central FIPS 4202 Feet