P.O. Box 13231, 1700 N. Congress Ave.
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: 2026.06.05 09:15:05 -05'00'

SUBJECT: City of Keene, Johnson County, Texas
TWDB RWAF Project No. 21863
Water Supply and Distribution System Improvements
Total Commitment Amount: $3,168,000
Loan No. L1001975
Grant No. G1001976

The environmental review for the City of Keene's (City) proposed Water Supply and Distribution System Improvements project has been completed consistent with 31 Texas Administrative Code (TAC) § 363.14. The City is proposing to use $3,168,000 in financing from the Rural Water Assistance Fund (RWAF) to replace deteriorating waterlines, construct a new water well and associated pump station at one of three proposed locations, reconstruct an existing pump station, and install an altitude valve on an existing elevated storage tank. The Texas Water Development Board (TWDB) committed this financing on March 13, 2025. The City closed the financing on July 15, 2025.

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 December 17, 2025, with the supplementary materials submitted to the TWDB on April 7, 2026, the project meets the requirements of 31 TAC § 363.14 with the following special and standard environmental conditions:

<u>Special Environmental Conditions</u>

- 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 from the City of Keene (City) and Johnson County floodplain administrator, as applicable, prior to construction in, across, or under a Special Flood Hazard Area and TWDB approval of plans and specifications, and any requirements contained therein will be adhered to.

Our Mission
Leading the state's efforts in ensuring a secure water future for Texas

Board Members
L'Oreal Stepney, P.E., Chairwoman | W. Brady Franks, Board Member | Ashley Morgan, Board Member
Bryan McMath, Executive Administrator

- As per an agreement with the Texas Parks and Wildlife Department (TPWD), Ecological & Environmental Planning Program (TPWD Project No. 57149), to ensure compliance with 31 Texas Administrative Code (TAC) Chapters 12, 64, and 67, the Migratory Bird Treaty Act, and applicable federal regulations pertaining to protected species, the following measures will be implemented:
    - Vegetation clearing must be excluded during the general bird nesting season, March 15 through September 15, to avoid adverse impacts to breeding birds. If vegetation clearing during this time is unavoidable, the area proposed for disturbance will be surveyed by a qualified biologist to identify occupied nests, not more than five days prior to clearing activities. If occupied nests are observed during surveys, a vegetation buffer area of no less than 100 feet in diameter will remain around the nest until all young have fledged; however, the size of the buffer zone depends on various factors and can be coordinated with the local or regional United States Fish and Wildlife Service (USFWS) office.
    - The length of trenches left open at any given time during construction will be minimized. Trenches and excavation areas will be inspected every morning or if left open longer than two daylight hours to ensure no wildlife species have been trapped.

- To ensure compliance with the Endangered Species Act of 1973, as amended, per an agreement with the USFWS (Project Code 2026-0046379), construction or vegetation clearing activities within 1,000 feet of potential whooping crane (*Grus americana*) habitat will be performed outside of the whooping crane migration season, March 19 through April 30 and October 20 through November 24. If these activities cannot be avoided during spring and fall migration, the following mitigation measures will be implemented:
    - Construction site staff will be provided with educational materials on the appearance and status of the whooping crane in order to identify individuals.
    - A representative of the City who is familiar with the whooping crane will monitor for the whooping crane near suitable habitat and halt construction if an individual is detected within 1,000 feet of a work site. Work will cease until the crane has moved outside of the 1,000-foot buffer zone.
    - If a whooping crane is observed for any length of time in the project area, the USFWS Texas Coastal and Central Plains Ecological Services Field Office will be immediately notified.

- To avoid impacts to potential waters of the U.S., including wetlands, and aquatic habitat, waterline crossings of waterbodies will be performed using a trenchless method (directional boring or in pavement above culverts), with bore pits located outside riparian and/or aquatic habitat (USACE No. SWF-2025-00526; TPWD Project No. 57149; USFWS Project Code 2026-0046379).

Standard Environmental Conditions

- Consistent with the TWDB Supplemental Construction Contract Conditions (TWDB-0552), the 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

CITY OF KEENE

REGIONAL LOCATION MAP

DWSRF RWAF

JACOB MARTIN

TBPE FIRM # 2340 | TBAE FIRM # BR 2326 | TBPLS FIRM # 10194693

NORTH

1" = 750'

LEGEND

- PROPOSED WATER LINE IMPROVEMENTS
- ALTERNATE PROPOSED WATER LINE IMPROVEMENTS
- CITY LIMITS
- WATER TANK
- FIRE HYDRANT
- PUMP STATION

WELL SITE ALTERITIVE 1 DOVE WELL PUMP STATION AND TANK

PROPOSED 8" WL FROM WELL TO EXISTING SYSTEM

JOHNSON COUNTY SSD MASTER METER GROUND STORAGE TANK PUMP STATION

WELL SITE ALTERNATIVE 3 FM 2280 WELL PUMP STATION AND TANK

PROPOSED 8" WL FROM WELL TO EXISTING SYSTEM

WELL #7 GROUND STORAGE TANK ELEVATED TANK PUMP STATION

WELL SITE ALTERNATIVE 2 CR 702 WELL PUMP STATION AND TANK

PROPOSED 8" WL FROM WELL TO EXISTING SYSTEM

WELL #6 GROUND STORAGE TANK PUMP STATION

W. HILLCREST ST. WATERLINE IMPROVEMENTS

W. HILLCREST ST. WATERLINE IMPROVEMENTS ALTERNATE

EDGEWOOD PL. & WOODLAWN DR. WATERLINE IMPROVEMENTS ALTERNATE

E. HILLCREST ST. WATERLINE IMPROVEMENTS

MISTLETOE LN. WATERLINE IMPROVEMENTS ALTERNATE

WELL #12 GROUND STORAGE TANK PUMP STATION

3RD ST. WATERLINE IMPROVEMENTS

4TH ST. WATERLINE IMPROVEMENTS

W. 1ST ST. AND VAL VERDE CR. WATERLINE IMPROVEMENTS

WELL #9

WELL #1 GROUND STORAGE TANK ELEVATED TANK PUMP STATION

REBUILD EXISTING PUMP STATION

W. 4TH ST. WATERLINE IMPROVEMENTS

4TH ST. WATERLINE IMPROVEMENTS

WELL #10 GROUND STORAGE TANK PUMP STATION

WELL #14 GROUND STORAGE TANK PUMP STATION

RAY ST. AND LEE ST. WATERLINE IMPROVEMENTS

ALASKA ST., TEXAS AVE., IOWA ST., AND MAINE ST. WATERLINE IMPROVEMENTS

PROJECT LOCATION

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PRINTED BY: JEFF BURNS
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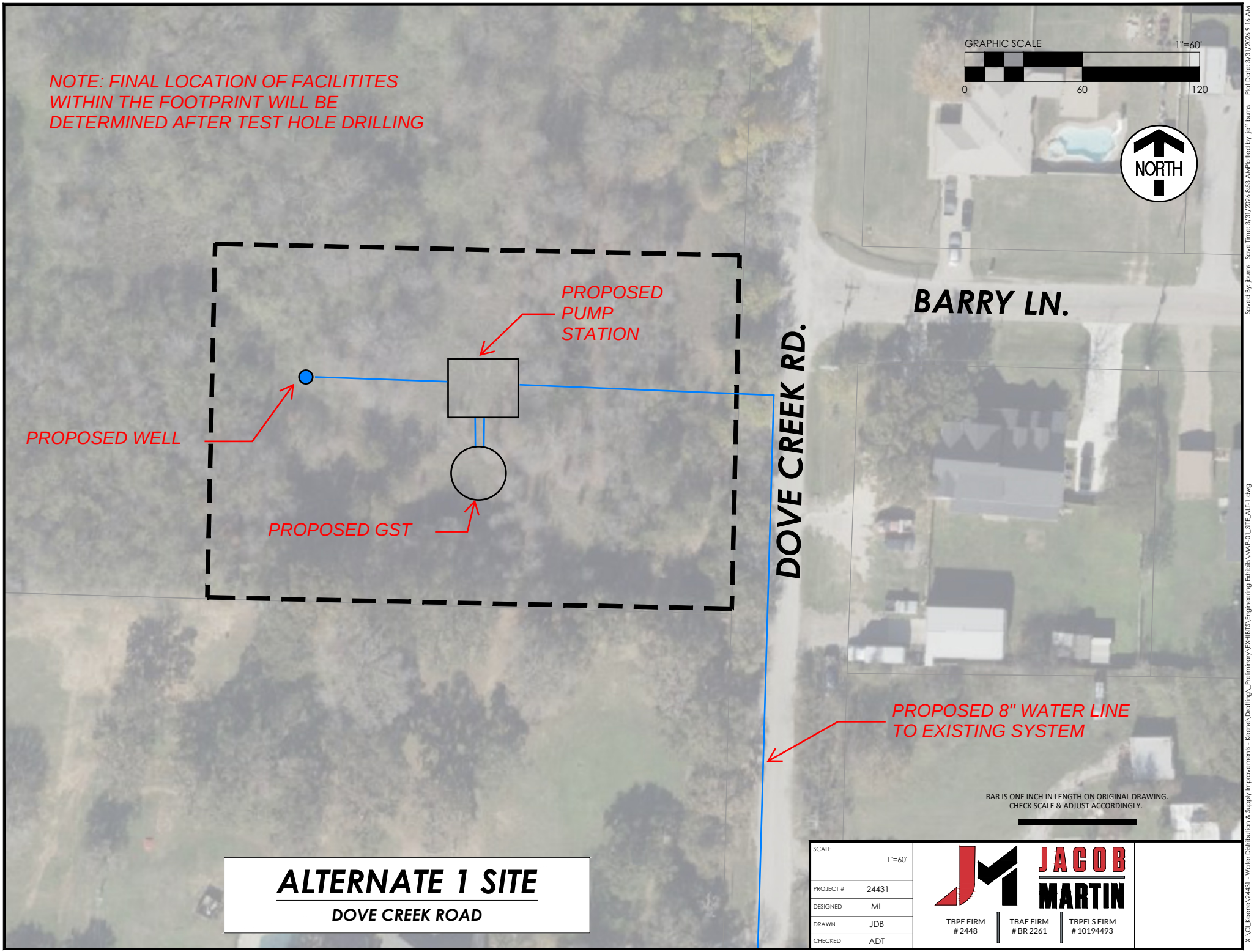

ALTERNATE 1 SITE

DOVE CREEK ROAD

SCALE	1"=60'
PROJECT #	24431
DESIGNED	ML
DRAWN	JDB
CHECKED	ADT

JACOB MARTIN

TBPE FIRM # 2448 | TBAE FIRM # BR 2261 | TBPELS FIRM # 10194493

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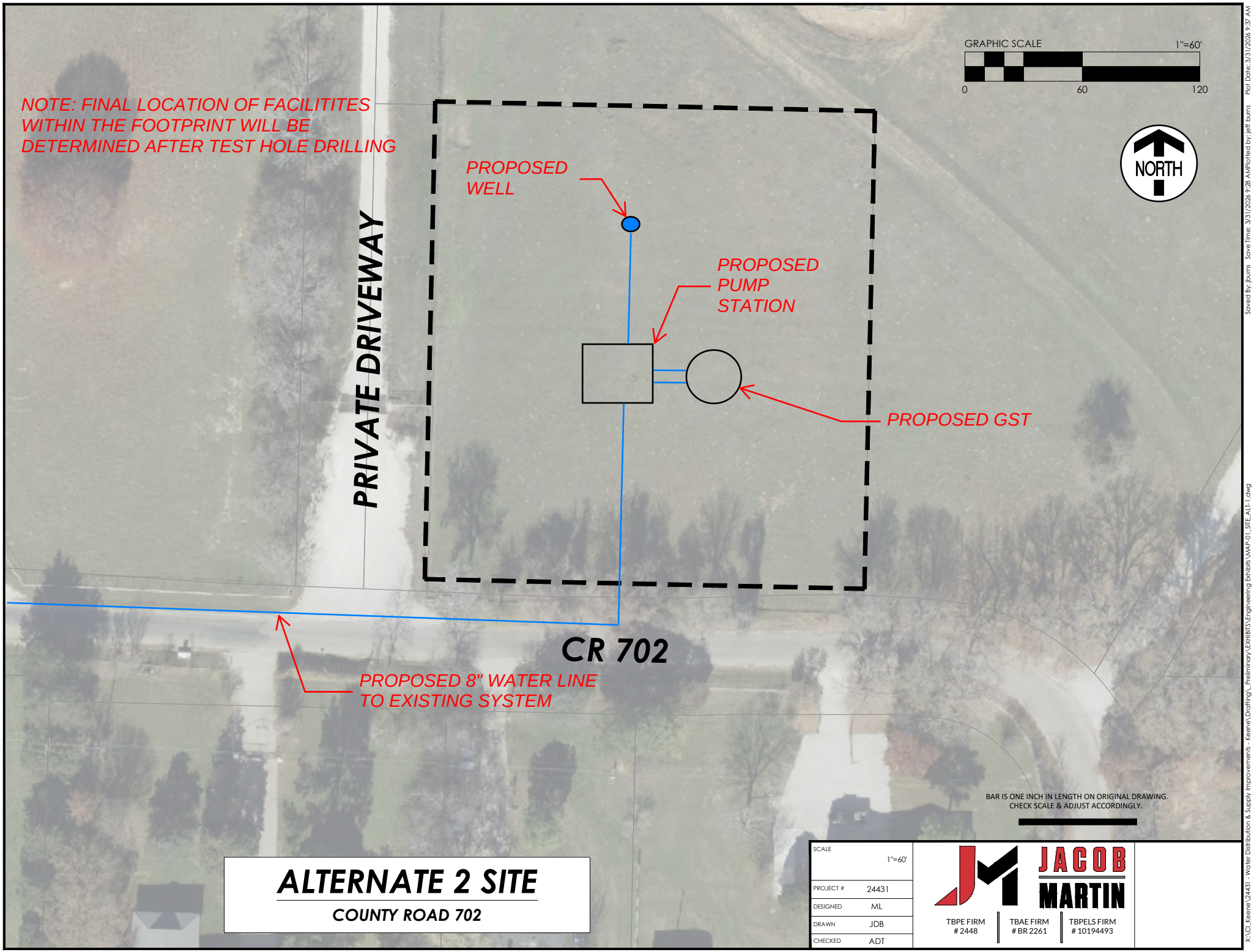

ALTERNATE 2 SITE

COUNTY ROAD 702

SCALE	1"=60'
PROJECT #	24431
DESIGNED	ML
DRAWN	JDB
CHECKED	ADT

JACOB MARTIN

TBPE FIRM # 2448 | TBAE FIRM # BR 2261 | TBPELS FIRM # 10194493

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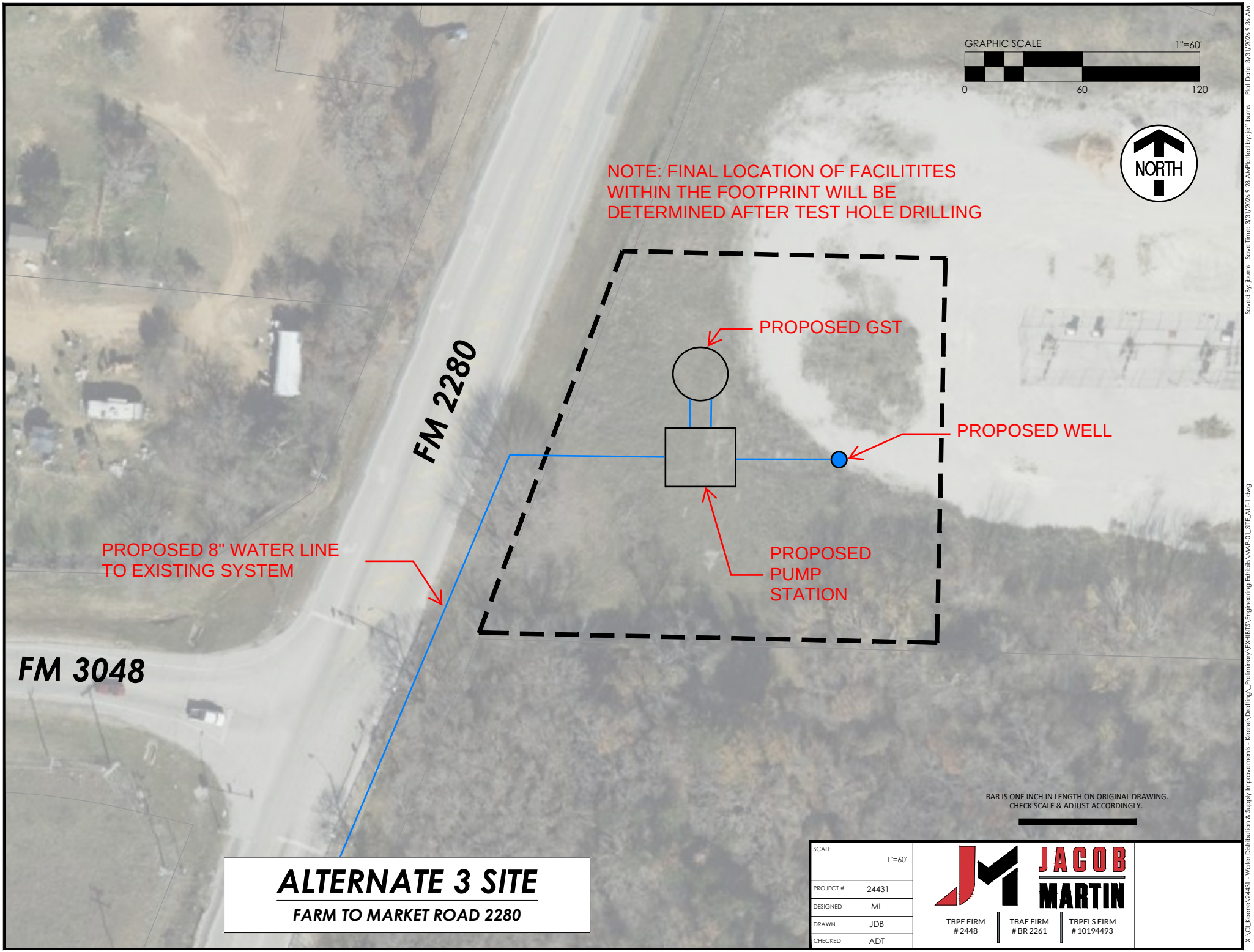

ALTERNATE 3 SITE

FARM TO MARKET ROAD 2280

SCALE	1"=60'
PROJECT #	24431
DESIGNED	ML
DRAWN	JDB
CHECKED	ADT

JACOB MARTIN

TBPE FIRM # 2448 | TBAE FIRM # BR 2261 | TBPELS FIRM # 10194493

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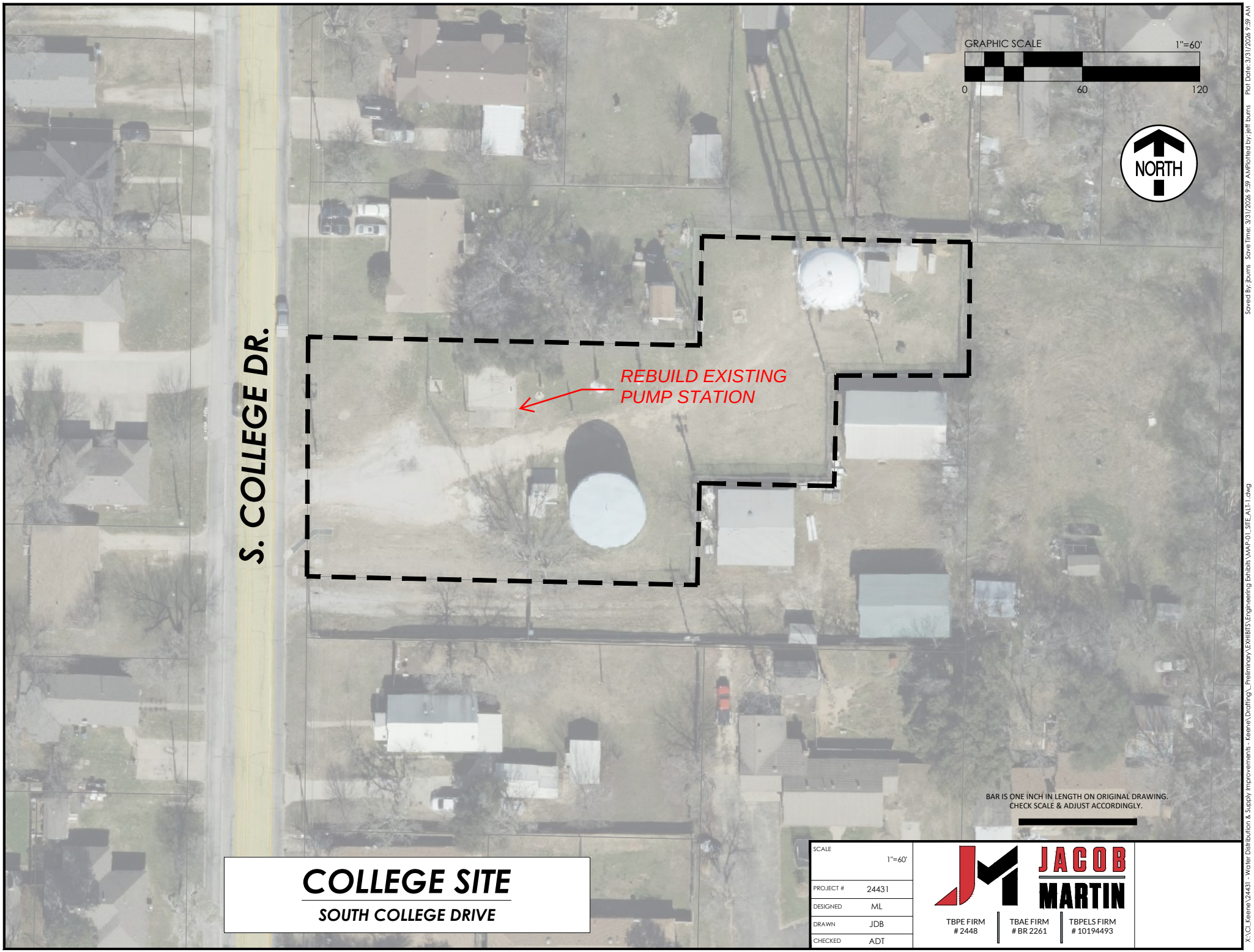

COLLEGE SITE

SOUTH COLLEGE DRIVE

SCALE	1"=60'
PROJECT #	24431
DESIGNED	ML
DRAWN	JDB
CHECKED	ADT

JACOB MARTIN

TBPE FIRM # 2448 | TBAE FIRM # BR 2261 | TBPELS FIRM # 10194493

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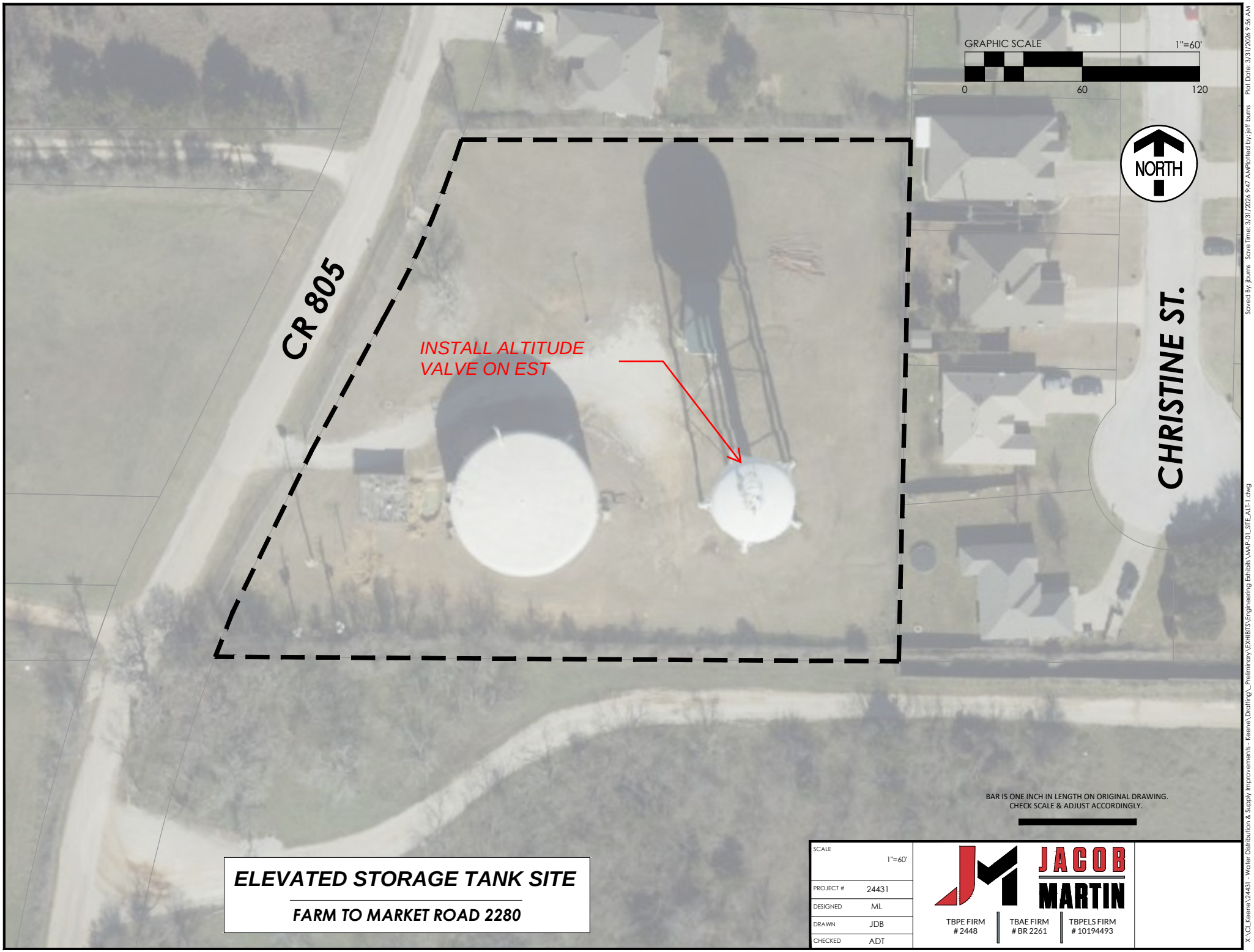

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING.
CHECK SCALE & ADJUST ACCORDINGLY.

ELEVATED STORAGE TANK SITE

FARM TO MARKET ROAD 2280

SCALE	1"=60'
PROJECT #	24431
DESIGNED	ML
DRAWN	JDB
CHECKED	ADT

JACOB MARTIN

TBPE FIRM # 2448 | TBAE FIRM # BR 2261 | TBPELS FIRM # 10194493

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