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

FINDING OF NO SIGNIFICANT IMPACT

TO ALL INTERESTED AGENCIES AND PUBLIC GROUPS:

As required by the rules of the Texas Water Development Board (TWDB), 31 Texas Administrative Code (TAC) § 371.41, an environmental review consistent with the National Environmental Policy Act (NEPA), 42 United States Code § 4321 *et seq*., has been performed on the project below. This project is proposed to be funded through the Drinking Water State Revolving Fund (DWSRF) Equivalency Program, which is administered by the TWDB.

Cross Roads Community Water Supply Corporation, Henderson County, Texas
TWDB DWSRF Project No. 63016
New Water Well No. 3 and Emergency Power Generator
Total Financing Amount: $1,390,000
Loan No. L1001873
Loan Forgiveness No. LF1001874

The Cross Roads Community Water Supply Corporation (Corporation) is proposing to use $1,390,000 in financing from the DWSRF Program for the New Water Well No. 3 and Emergency Power Generator Project to construct a new water well, ground storage tank, and high service pump station, with appurtenances.

An environmental review of the project consistent with NEPA has been completed following the guidelines provided in 31 TAC § 371.41. This environmental review is documented by the enclosed Environmental Assessment, which contains mitigative environmental conditions that will be applied to the project to avoid significant adverse environmental impacts on waters of the United States, wetlands, floodplains, cultural and historical resources, threatened and endangered species, and protected migratory bird species. Based on a detailed environmental review of the planning information, the Environmental Information Document, and other documentation, the project is environmentally sound with the following special and standard environmental conditions:

<u>Special Environmental Conditions</u>

- As per an agreement with the United States Fish and Wildlife Service (USFWS Project Code No. 2025-0112786), to ensure compliance with the Endangered Species Act of 1973 (ESA) and applicable state and federal regulations pertaining to protected species, the following measures will be implemented:

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

- If the alligator snapping turtle (*Macrochelys temminckii*) or the Monarch butterfly (*Danaus plexippus*) become federally listed prior to vegetation clearing and/or construction, the Cross Roads Community Water Supply Corporation (Corporation) will conduct additional coordination with the USFWS to ensure compliance with the ESA.
- Trees will not be removed or cleared from the project area, to avoid impacts to the tricolored bat (*Perimyotis subflavus*).

Standard Environmental Conditions

- Consistent with the TWDB Supplemental Construction Contract Conditions (TWDB-0550), the Corporation will abide by the standard emergency condition for the discovery of cultural resources.

- Consistent with the TWDB Supplemental Construction Contract Conditions (TWDB-0550), the Corporation will abide by the standard emergency condition for the discovery of threatened and endangered species.

Therefore, it is recommended that a Finding of No Significant Impact be issued.

Documentation supporting this decision is on file in the office of the Regional Water Project Development, TWDB, and is available for public review upon request. Comments supporting or disagreeing with this preliminary environmental determination may be submitted to the Director, Regional Water Project Development, Texas Water Development Board, P.O. Box 13231, Austin, Texas 78711-3231 or via email at RWPD-Environmental@twdb.texas.gov. After evaluating the comments received, the Executive Administrator will make a final determination. However, no action regarding the provision of federal financial assistance for the project will be taken for at least thirty (30) calendar days after the release of this Finding of No Significant Impact.

Sincerely,

Clay Schultz Digitally signed by Clay Schultz
Date: 2026.04.10 15:05:52
-05'00'

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

Enclosure

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

Cross Roads Community Water Supply Corporation, Henderson County
Drinking Water State Revolving Fund Project No. 63016
New Water Well No. 3 and Emergency Power Generator
Environmental Assessment

REVIEW PROCESS

As described below, the staff of the Texas Water Development Board (TWDB) have performed a review consistent with the 31 Texas Administrative Code (TAC) § 371.41 and the National Environmental Policy Act (NEPA), 42 U.S. Code § 4321 *et seq.* Consistent with 31 TAC § 371.45, the Environmental Information Document (EID) [1] for the New Water Well No. 3 and Emergency Power Generator Project proposed by the Cross Roads Community Water Supply Corporation (Corporation) was reviewed by the TWDB for the development of this Environmental Assessment (EA). This project is financed through the Drinking Water State Revolving Fund (DWSRF) Equivalency Program, which is administered by the TWDB.

PURPOSE AND NEED

The Corporation's water system was evaluated using the Texas Commission on Environmental Quality (TCEQ) Minimum Capacity Requirements and population projections from the TWDB's 2026 Regional Water Plan for Region C. The existing system serves a population of 723 with a connection count of 241. Per the Regional Water Plan data, the average growth of the Corporation over the next 50 years is expected to be 0.38 percent. The project is being designed for a minimum 30-year design life. Therefore, in the year 2055, the anticipated population will be 849 and the anticipated number of connections will be 283. According to 30 TAC Chapter 290.45, a retail public entity that possesses a certificate of public convenience and necessity that has reached 85 percent of its capacity must submit a planning report for future system upgrades. Prior to reaching 100 percent capacity, the retail public entity must have completed construction on the proposed facility improvements. Based on an evaluation of the existing system and TCEQ minimum capacity requirements, the Corporation is currently over 100 percent capacity for total water supply and high service pump capacities. This project will include drilling a new water supply well and installing new high service pumps to bring the system into compliance with TCEQ minimum capacity requirements.

[1] Cross Roads Community Water Supply Corporation (December 23, 2025). Environmental Information Document (EID) (TWDB Form 0801), Prepared by Michauxii Creek Environmental. Received by TWDB on December 2, 2025, The EID is complete with the supplementary materials submitted to the TWDB on December 23, 2025.

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

PROJECT DESCRIPTION

The Corporation is proposing to use $1,390,000 in financing from the DWSRF Program for the New Water Well No. 3 and Emergency Power Generator Project to construct a new water well, ground storage tank, and high service pump station, with appurtenances.

The project includes drilling a new water well with an anticipated flow rate between 90 gallons per minute (GPM) and 250 GPM at a site located approximately 3,050 feet north of the existing Plant No. 1 site. A new ground storage tank with a minimum capacity of 0.04 million gallons (MG) and a new high service pump with a minimum capacity of 190 GPM will also be constructed at the same site. An existing 4-inch water line that is currently used as a distribution line from the existing ground storage tank at Plant No. 1 will be converted to a tank fill line once the new well and ground storage tank are completed. This will involve disconnecting any existing water distribution lines and service lines from the 4-inch line and reconnecting them to an existing 6-inch water distribution line that runs parallel to the 4-inch line, and the construction of new piping from the new well to the 4-inch line and from the 4-inch line into the new ground storage tank at Plant No. 1. The existing 4-inch line will also be disconnected from the existing ground storage tank and reconnected to the new ground storage tank at the Plant No. 1 site. The project is being designed for a 30-year design life with an anticipated population of 849 and 283 service connections.

The project components included in this EA include:

- Construction of a new water well at a new well site (Water Well No. 3), with an anticipated flow rate between 90 and 250 GPM
- Upgrades at Plant No. 1
    - New ground storage tank with a minimum capacity of 0.04 MG
    - New high service pump with a minimum capacity of 190 GPM
    - Miscellaneous site improvements such as yard piping and electrical system improvements to accommodate the new storage tank and high service pump
- Conversion of an existing 4-inch water distribution line to a tank fill line, including disconnecting water distribution and service lines from the 4-inch line, construction of new piping from the new well to the 4-inch line and from the 4-inch line to the new ground storage tank.

PROJECT FUNDING

To address these issues, the Corporation applied to the TWDB for financing through the DWSRF Program for planning, design, and construction. On November 6, 2024, the TWDB committed $1,390,000 to the project. The Corporation closed the financing on March 18, 2025. Some of the planning funds were used to assess the potential environmental impact of the project and prepare an Environmental Information Document (EID). Preparation of the EID involved consultation with state and federal regulatory agencies and additional public participation.

The TWDB may not fund testing, remediation, removal, disposal, or related works for contaminated or potentially contaminated materials. However, the project proponent should ensure that, if found, such materials are tested, removed, and disposed of in accordance with applicable state and federal laws.

EVALUATION OF ALTERNATIVES

In addition to the Preferred Alternative, the Corporation evaluated the No Action Alternative and two Alternatives Not Selected. The Corporation must increase their water supply capacity to comply with the TCEQ's Minimum Capacity Requirements. The alternatives explored for achieving this were to either 1) procure water from the nearest surface water reservoir, 2) purchase water from another entity, or 3) drill a new well. Alternative No. 3 is the Preferred Alternative described above and evaluated for its impacts on natural and cultural resources further below. Each of the Alternatives Not Selected and the No Action Alternative were evaluated for their potential direct, secondary, and cumulative impacts on the existing environment, as described immediately below.

No Action Alternative

The No Action Alternative would have less impact than the Preferred Alternative; However, based on an evaluation of the existing system and TCEQ minimum capacity requirements, the Corporation is currently over 100 percent capacity for total water supply and high service pump capacities. Under the No Action Alternative, the Corporation would remain out of compliance and would not be able to keep up with population growth, eventually leading to inadequate quantities and pressures within the water distribution system.

The proposed project will affect the residents within the service area of the Corporation. This includes the existing population and future populations. The No Action Alternative would not impact environmental resources, so cumulative impacts to any past or present actions would not occur. While no environmental impacts are anticipated as a result of the No Action Alternative, negative socio-economic impacts may result due to the Corporation's inability to comply with TCEQ minimum capacity requirements for supply and service pump capacity. The existing system is currently out of compliance with these requirements and future growth will make this issue worse as the system would have difficulty providing an adequate supply of water and providing adequate pressures throughout the system.

Alternative No. 1

Alternative No. 1 is to procure water from the nearest surface water reservoir. The nearest surface water reservoirs to the Corporation's service area are the Richland-Chambers Reservoir and the Cedar Creek Reservoir, which are both greater than 10 miles away. The Corporation has neither the water rights nor the infrastructure to take water from either of these sources. Therefore, this alternative was not selected.

In order to make Alternative No. 1 a viable alternative, the Corporation would need to obtain water rights from one of the nearby surface water reservoirs, which can be an expensive and time-consuming process. In addition, the WSC would need to construct the necessary infrastructure, such as a raw water pump station, 10 or more miles of transmission main, and a surface water treatment facility in order to transport and treat surface water from one of the nearby reservoirs. The environmental impact of this option is much greater than the Preferred Alternative of drilling a new well with minimal pipeline construction. Land would have to be acquired near the reservoir to build a raw water pump station and within the Corporation's service area to build a surface water treatment facility. In addition, 10 or more miles of transmission main would need to be constructed, which could potentially cross private property either by the dedication of easements or by the purchase of that property. This construction could result in the permanent conversion of vegetation, wildlife habitat, wetlands and prime farmland.

Alternative No. 1 was excluded from consideration because it would have much greater environmental impact than the preferred alternative due to the significant construction required to build the necessary infrastructure to make this a viable alternative, it would take significantly more time and money to procure the water rights and to acquire the land for and to construct the necessary infrastructure to transport and treat surface water from one of the nearby reservoirs. In addition, diverting water from either nearby reservoir to the Corporation's service area could potentially affect the populations that use the water from those reservoirs as their water supply sources. Both Richland Chambers Reservoir and Cedar Creek Reservoir are drinking water sources for Tarrant County, the 10th fastest growing county in the United States in 2024. If water rights were diverted away from Tarrant County, additional drinking water sources would be needed.

Alternative No. 2

Alternative No. 2 was to purchase water from another entity. There are several neighboring entities, such as the City of Athens or Crescent Heights (CH) Water Supply Corporation (WSC), that are near to the Corporation's service area. However, Corporation does not currently have an agreement in place with any other entity to purchase water, nor do they have the infrastructure required to connect into any other water system. Therefore, this alternative was not selected.

To make Alternative No. 2 a viable alternative, the Corporation would need to negotiate an agreement to purchase water from a nearby City or WSC, as well as construct the necessary infrastructure, such as pump station and five or more miles of transmission main in order to transport treated water from one of the nearby entities. The environmental impact of this option is greater than the Preferred Alternative of drilling a new well with minimal pipeline construction. Pipeline construction could potentially cross private property either by the dedication of easements or by the purchase of that property. This construction could result in the permanent loss of vegetation, wildlife habitat, and prime farmland.

Alternative No. 2 was not selected because it would have a greater environmental impact than the Preferred Alternative due to the significant construction required to build the necessary infrastructure to make this a viable alternative, it would take significantly more time and money to procure an agreement to purchase water from a nearby entity and to acquire land and construct the necessary infrastructure to transport treated water from one of the nearby entities. This construction would likely have a cumulative effect on natural and cultural resources. In addition, Alternative No. 2 would have negative socio-economic impacts on the areas that are supplied with water by other entities, as water would be diverted away from those service areas to provide water to the Corporation.

Preferred Alternative

The Preferred Alternative is described above under the Project Description. The purpose of the preferred alternative is to provide a more reliable and sustainable water source for residents served by the Corporation, and to increase their water supply capacity to comply with the TCEQ's Minimum Capacity Requirements which the No Action Alternative would not provide. The review of the Preferred Alternative is below.

ENVIRONMENTAL REVIEW

Consistent with the requirements of the federally funded DWSRF Program, the Corporation defined the social and environmental contexts of the project and assessed its potential impact. This information was presented in the EID and was made available to the community, regulatory agencies, and other interested parties.

Adverse effects on social and natural resources fall under the authority of various agencies. These regulatory agencies and participating area residents had the opportunity to address potential issues concerning construction practices, possible adverse effects within the project area, and the environmental conditions to be implemented during construction. The staff of the TWDB reviewed the EID, comments and other data and prepared the present EA.

AFFECTED ENVIRONMENT AND IMPACT ASSESSMENT

Existing Conditions

The proposed project would serve the Corporation's service area, in and around the unincorporated community of Cross Roads, in the southwest corner of Henderson County, and would be constructed just north of Cross Roads. The Cross Roads Independent School District (ISD) is located adjacent to Plant No. 1 on the west side of Farm to Market Road (FM) 59. Along FM 59 there are numerous single-family residences, churches, and a business. Moving further northwest along FM 59 toward the Water Well No. 3 site, the properties are large lot rural residences, or predominately agriculture pastures used for cattle grazing and hay production. The well site property is surrounded by pasture used for grazing and hay production.

The project components are compatible with adjacent land uses. The appropriate spacing has been utilized when placing the location of the well, according to TAC 16 § 76.100. There are no residences in the immediate vicinity of the well site that will be negatively impacted by well drilling and associated facilities.

Pipeline construction areas will be limited to small areas where service connections will be moved from the existing 4-inch pipeline (which will transition to a tank fill line), to an existing 6-inch distribution line. Approximately 300 linear feet (LF) of new pipeline will be constructed from the well to the 4-inch pipeline as well as 200 LF of new pipeline from the new ground storage tank at Plant No. 1 to the 4-inch pipeline. These construction areas will be within existing right-of-way (ROW) and any impact to adjacent land uses will be temporary.

Permanent impacts on land use consisted of 0.30 acres of improved pasture habitat that was converted to a gravel access road and water well site prior to the issuance of this finding. Temporary impacts will occur along waterlines where service lines will be disconnected from the 4-inch tank fill line and reconnected to an existing 6-inch distribution line. Each of 13 disconnect/reconnect areas will disturb a section no greater than 10 feet by 10 feet, for a total impacted area of approximately 1300 square feet. These impacts will occur within existing maintained right-of-way. Vegetation will be temporarily removed during construction, however any areas disturbed by construction will be revegetated as soon as practicable once construction has ceased.

Geology and Soils

The project is located within the Interior Coastal Plains subprovince of the Gulf Coastal Plains Physiographic Province of Texas, which “comprise alternating belts of resistant uncemented sands among weaker shales that erode into long, sandy ridges. At least two major down-to-the-coast fault systems trend nearly parallel to the coastline. Clusters of faults also concentrate over salt domes in East Texas [which] is characterized by pine and hardwood forests and numerous permanent streams”[2] Geologically, the project is underlain by the Wilcox Group, undivided, a Paleocene to early Eocene geologic unit composed primarily of interbedded sandstones, siltstones, clays, and lignite deposits. It represents a series of fluvial, deltaic, and nearshore depositional environments that developed along the Gulf Coastal Plain, typically 500 to 1,000 feet thick.

There are no faults or other pertinent geologic features mapped in the project area. The project is not located in a karst or pseudo-karst zone. No direct impacts to geology are anticipated.

Although the project footprint is located on some mapped soil units classified as Prime or Other Important Farmland (Axtell loam, 1 to 5 percent slopes), it only occurs in areas where pipeline construction will occur in previously disturbed areas, which is exempt from

[2] Wermund, E.G. (1996). “Physiography of Texas.” Bureau of Economic Geology, the University of Texas at Austin.

coordination with the United States Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS). Soil will not be moved off site and will not be contaminated as a result of the project.

Water Resources

The project is located in the United States Geological Survey (USGS) hydrologic unit Code (HUC) 06 Upper Trinity River Basin. The source of the Corporation's water supply is from groundwater, the Carrizo-Wilcox (outcrop) aquifer. There are no Environmental Protection Agency (EPA) designated sole source aquifers in the project area.

The depth to groundwater and final depth of the well are unknown until the well is drilled. The well at Plant No. 1 is extracting water from depths between 576 feet and 604 feet. Groundwater was present at a depth of approximately300 feet but had water quality issues. Private wells in the general vicinity are extracting water from between 200 and 300 feet. The project includes drilling a new water well with an anticipated flow rate between 90 and 250 GPM. The well will be used as public water supply and is not anticipated to have any negative impacts on other public water supply wells though a permanent increase in aquifer drawdown will occur which will require water rights permitting through the TCEQ. Aquifer drawdown can affect downstream surface and groundwater quantity for aquatic and terrestrial habitat as well as human uses of those resources.

Topography and Floodplains

Elevation across the project area ranges from approximately 375 to 393 feet above mean sea level. The topography of the project area consists of flat to gently rolling topography and is situated on a broad ridge dividing two stream drainages (Prairie Creek and Wildcat Creek). Generally, the project area drains south, toward Wildcat Creek. The project consists of a generally flat, broad ridge containing some areas of depressional wetlands. Two (2) areas of emergent wetland associated with road ditches are present within the project area, and depressional wetlands are apparent on aerial imagery adjacent to the project area. There are no areas mapped as 100-year floodplain within the project area, according to Flood Insurance Rate Maps (FIRM) from the Federal Emergency Management Administration (FEMA).

Wetlands, Streams, and Waters of the United States

The project area is located within the Wildcat Creek-Trinity River HUC-12 subwatershed. Wildcat Creek runs parallel to the project area, approximately one mile southeast.

An aquatic resources delineation was prepared on August 19, 2025[3]. No streams were found within the proposed project area. One swale was observed within the forested upland habitat within the water well site property. This swale lacked a defined channel and did not

[3] Michauxii Creek Environmental (August 19, 2025). Potential Waters of the U.S. Assessment, Henderson County, Texas, prepared for Cross Roads Community Water Supply Corporation.

exhibit an ordinary high water mark. There were two emergent wetland areas associated with roadside ditches along the existing water lines totaling 0.09 acres within the proposed project area. The emergent wetlands were situated in flat or depressional landforms as well as being impacted by roadway right-of-way (ROW) ditches. These wetlands appear to be primarily driven by ponding of precipitation related to poor drainage. There are no construction activities or impacts proposed within the emergent wetland areas. The project will not result in impacts to waters of the United States.

Biological Elements

The project area is located within the Environmental Protection Agency (EPA) Level III East Central Texas Plains Ecological Region. A biological assessment[4] was reported on August 19, 2025, with the site visit conducted on June 30, 2025.

Several habitat types were found within the proposed project area. Non-wetland habitats include post oak (*Quercus stellata*)-dominant upland forest, upland pasture, and maintained roadside ditches/ROW. The vegetation within the emergent wetlands (W1–W2) consisted of green flatsedge (Cyperus virens), Florida paspalum (Paspalum floridanum), soft rush (Juncus effusus), narrowleaf primrose-willow (Ludwigia linearis) and swamp smartweed (Persicaria hydropiperoides). The vegetation within the post oak-dominant forested upland consisted of post oak (Quercus stellata), Eastern red cedar (Juniperus virginiana), winged elm (Ulmus alata), water oak (Quercus nigra), possumhaw viburnum (Viburnum nudum), stretchberry (Forestiera pubescens), black cherry (Prunus serotina), poison ivy (Toxicodendron radicans), Cherokee sedge (Carex cherokeensis), saw greenbriar (Smilax bona-nox) and gum bumelia (Sideroxylon lanuginosum). The vegetation within the upland pasture consisted of bahiagrass (Paspalum notatum), herbwilliam (Ptilimnium capillaceum), grassleaf rush (Juncus marginatus), straw-colored flatsedge (Cyperus strigosus), threeseed croton (Croton lindheimerianus), Florida paspalum (Paspalum floridanum) and black-eyed susan (Rudbeckia hirta). The vegetation within the non-wetland roadway ROW consisted of Bermuda grass (Cynodon dactylon), annual ragweed (Ambrosia artemisiifolia), Johnson grass (Sorghum halepense) and marsh bristlegrass (Setaria parviflora).

Wildlife within the project area is typical for East Texas with common mammals potentially present within the project area including white-tailed deer (Odocoileus virginianus), feral hogs (Sus scrofa), eastern cottontail (Sylvilagus floridanus), raccoon (Procyon lotor), nine-banded armadillo (Dasypus novemcinctus), and eastern gray squirrel (Sciurus carolinensis). Year-round bird species include the northern cardinal (Cardinalis cardinalis), red-bellied woodpecker (Melanerpes carolinus), barred owl (Strix varia) and others, with numerous migratory species such as the summer tanager (Piranga rubra), indigo bunting (Passerina cyanea), yellow-billed cuckoo (Coccyzus americanus), scissor-tailed flycatcher (Tyrannus forficatus), and numerous warblers. Reptiles and amphibians are also numerous, with species such as the southern leopard frog (Lithobates sphenocephalus),

[4] Michauxii Creek Environmental (August 19, 2025). Threatened and Endangered Species Evaluation, Henderson County, Texas, prepared for Cross Roads Community Water Supply Corporation.

green anole (Anolis carolinensis), and several species of turtles and snakes.

Databases of sensitive species maintained by the United States Fish and Wildlife Service (USFWS) and Texas Parks and Wildlife Department (TPWD) were reviewed to verify any state and/or federally listed threatened or endangered species that occur, or have historically occurred, in Henderson County. No species were identified has having potential habitat in the project area.

No known occurrences of or potential habitat for federally listed candidate, threatened, or endangered species were present within or adjacent to the project area during the field survey. There was no designated critical habitat within the project area. No state or national parks, forests, wildlife refuges, wild or scenic rivers, or natural areas or similar preserves are located within the project area.

Permanent impacts to land use and potential wildlife habitat consisted of 0.30 acres of pasture habitat that was converted to a gravel access road and water well site. Temporary impacts will occur along waterlines where service lines will be disconnected from the 4-inch tank fill line and reconnected to an existing 6-inch distribution line. These impacts will occur within existing maintained right-of-way. Vegetation in the ROW will be temporarily removed during construction and revegetated as soon as practicable once construction has ceased. The USFWS determined that the project would have no effect on the piping plover (*Charadrius melodus;* threatened), rufa red knot (*Calidris canutus rufa*; threatened), and the tricolored bat (*Perimyotis subflavus*; proposed endangered). The alligator snapping turtle (*Macrochelys temminckii*; proposed threatened), Texas fawnsfoot (*Truncilla* macrodon; threatened), Texas Heelsplitter (*Potamilus amphichaenus*; proposed endangered), and monarch butterfly (*Danaus plexippus*; proposed threatened) may be found in the project area. Mussel species would not be affected because perennial waterbodies are not present in the project area. If the alligator snapping turtle or monarch butterfly are listed prior to or during construction, activities will cease, and the United States Fish and Wildlife Service (USFWS) will be consulted to assess for potential impacts. Trees will not be removed as part of the project, so impacts to the tricolored bat are not anticipated.

Cultural Resources

The Texas Historical Commission's (THC) Archeological Sites Atlas was reviewed to identify historic properties, archeological sites, and cultural resources near the project area. There are no previously recorded significant or potentially significant sites within or adjacent to the project footprint, nor is the project within the protected area surrounding a historic cemetery, structure, or district.

A cultural resources desktop review[5] was completed on June 24, 2025. The survey report found that no archeological sites or historic resources have been previously identified within

[5] Stone Point Services (June 24, 2025). Cultural Resources Desktop Review, Cross Roads Community Water Supply Corporation (CRC WSC) Water Well #3, TWDP #63016, Henderson County, Texas. Prepared for Michauxii Creek Environmental.

one mile of the project area. One archeological survey project has been identified within one mile of the project area. Prairie Creek and Wildcat Creek, as well as approximately twenty unnamed, intermittent tributaries are located within one mile of the project area. Due to the lack of year-round potable water and aquatic resources near the project site, the potential for prehistoric resources within the proposed project area is low. No structures are present within the project site on the historic aerial and topographic maps. The project area has a low potential for historic archeological sites due to the lack of historic structures directly in the project area.

Hazardous Materials

There are no Superfund Sites from the EPA National Priorities List located on the proposed subject property or in areas associated with the proposed project.

A search of federal, state, and tribal environmental and regulatory records sources was performed by MapPro for sites within the American Society for Testing and Materials (ASTM)-required search distances from the project boundaries. The federal environmental and regulatory records disclosed ten records representing approximately three sites within applicable search distances of the proposed project area, with 10 separate listings including two petroleum storage tanks, one leaking petroleum storage tank, one notice of violations associated with the Crossroads ISD water supply and for outdoor burning, and five Facility Registry System listings associated with the Crossroads ISD wastewater treatment plant. No sites were found within project boundaries.

The TWDB does not fund the testing, remediation, removal, disposal, or related work for contaminated or potentially contaminated materials.

Socioeconomics

A socioeconomic analysis was performed on September 3, 2025, within a 0.5-mile radius of the project area using data from the United States Census American Community Survey (ACS) 2023 5-year estimates. Data include the population, percentage of minority residents, percent low income, and per capita income for the project area, for comparison with data for the county and state.

Area	**Population**	**Percent Minority**	**Percent Below Poverty Level**	**Per Capita Income**
State of Texas	30,503,300	60.2	13.7	$39,775
Henderson County	86,158	24.7	17.8	$32,853
Project Area (0.5-mile buffer)	79	6	6	$35,269

The socioeconomic analysis indicates that the area within 0.5-mile of the project does not have a portion of the population greater than the city, county or state average, who are members of a racial/ethnic minority category or who have incomes less than or equal to the

state's official poverty level. Ther per capita income of the project area is greater than that of Henderson County but less than residents of Texas in general.

An increase in utility rates and taxes is not anticipated, and the service area will not require an increase in taxes to finance the debt. People or businesses will not be relocated as a result of the project and eminent domain will not be required. The entire population of this project area will be the recipients of benefits derived from the proposed improvements. Therefore, the project will not disproportionately, adversely impact minority or low-income populations.

Secondary and Cumulative Impacts

The project may temporarily impact air quality and vegetation. Temporary increases in air emissions will occur from construction machinery. Both resources will return to the state existing prior to the project once construction activities are completed.

Secondary impacts may include sediment runoff during and shortly after construction. These impacts will be mitigated through the use of best management practices and will be temporary in nature.

Population growth will continue to occur within the area, which could potentially impact resources adjacent to the project area. Recently constructed residences and businesses are present adjacent to the project site, and this trend will likely continue as Texas continues to grow. Population growth in the area will continue to impact water resources, including groundwater near the project area. As the demand for water increases, additional water sources will be necessary. No new significant reservoirs are planned in the vicinity of the project, but groundwater withdrawals from the Carrizo-Wilcox Aquifer will likely increase. Population growth will inevitably result in infrastructure expansion. Additional utilities, such as water lines, electric lines, etc. will be needed to service any newly constructed residences or businesses in the area. The Texas Department of Transportation (TXDOT) does not have any substantial road system upgrades planned in the foreseeable future according to their project tracker.

The project is not anticipated to change the projected rate, density, or type of development in the vicinity of the project area. The land use in surrounding areas will generally remain in agricultural and residential uses following the construction of the project.

AGENCY COORDINATION AND COMPLIANCE

To ensure due consideration of the project's potential impact, the Corporation prepared an EID describing the results of that investigation, held an open meeting to familiarize the community with the project and solicit public comment, and coordinated with all required regulatory agencies and other interested parties to define and avoid, minimize, or mitigate adverse effects. The Corporation has provided assurance that environmental conditions will

be implemented in a manner consistent with the requirements of state and federal regulatory agencies and rules of the TWDB.

"Cross-Cutter" Compliance

The project has been reviewed for potential impacts to the quality of the environment following the procedures provided in 31 Texas Administrative Code § 371.41, to ensure compliance with DWSRF program requirements and federal and state regulations, including the federal cross-cutting environmental authorities from the EPA listed below.

(1) National Environmental Policy Act of 1969, Public Law (PL) 91-190
(2) Archeological and Historic Preservation Act of 1974, PL 93-291
(3) Clean Air Act, 42 USC 7506(c)
(4) Coastal Barrier Resources Act, 16 USC 3501 *et seq*.
(5) Coastal Zone Management Act of 1972, PL 92-583, as amended
(6) Endangered Species Act, 16 USC 1531, *et seq.*
(7) Executive Order 11593, Protection and Enhancement of the Cultural Environment
(8) Executive Order 11988, Floodplain Management, as amended by Executive Order 12148
(9) Executive Order 11990, Protection of Wetlands
(10) Farmland Protection Policy Act, 7 USC 4201, *et seq.*
(11) Fish and Wildlife Coordination Act, PL 85-624, as amended
(12) National Historic Preservation Act of 1966, PL 89-665, as amended
(13) Safe Drinking Water Act, § 1424(e), PL 92-523, as amended
(14) Wild and Scenic Rivers Act, PL 90-542, as amended
(15) The Wilderness Act, 16 USC 1131, *et seq*.
(17) Flood Insurance Reform Act of 2004, PL 108-264
(18) National Flood Insurance Reform Act of 1994, PL 103-325
(19) Flood Disaster Protection Act of 1973, as amended, PL 93-234
(20) Clean Water Act, PL 92-500, as amended

Agency Coordination

This environmental review included coordination with various state and federal regulatory agencies, local authorities, and other stakeholders and interested parties regarding the project's potential impact. The Corporation submitted notifications to and requests for input from all required parties. Some entities did not require a response. The respondents are listed below, and the results of coordination are summarized in the EID and reflected in the environmental conditions.

- Texas Historical Commission, State Historic Preservation Officer, Austin in accordance with Section 106 of the National Historic Preservation Act; Antiquities Code of Texas; and other applicable regulations (THC Tracking No. 202600414)
- United States Army Corps of Engineers, Regulatory Branch, Fort Worth District, in accordance with Section 404 of the Clean Water Act; and Section 10 of the Rivers and Harbors Act of 1899 (Project No. SWF-2025-00434)

- Texas Parks and Wildlife Department, Wildlife Division, Ecological & Environmental Planning Program, Austin, in accordance with the Endangered Species Act of 1973, as amended; Migratory Bird Treaty Act; Texas Parks and Wildlife Code; and other applicable regulations (TPWD Project No. 56829)
- United States Fish and Wildlife Service, Texas Coastal & Central Plains Ecological Services Field Office, in accordance with the Endangered Species Act and statutes affecting other federally protected species (USFWS Project Code No. 2025-0112786)
- Texas Commission on Environmental Quality in accordance with 40 CFR Part 93 and National Ambient Air Quality Standards (TCEQ NEPA Request No. 2025-275)

No response was required from the following entities:

- Bureau of Reclamation, Oklahoma-Texas Area Office
- Bureau of Land Management
- Local government (County Judge)

Texas Historical Commission

The desktop review report was reviewed by the THC staff in accordance with Section 106 of the NHPA and the Antiquities Code of Texas. The THC staff concurred with the Corporation in correspondence dated October 6, 2025, that no direct impacts to cultural resources/historic properties are anticipated as a result of the project (THC Tracking No. 202600414). The THC recommended that if historic properties or cultural materials are uncovered during construction, work should immediately cease in that area and the Archeology Division of the THC should be notified.

United States Army Corps of Engineers

The USACE, Fort Worth District Office, Regulatory Branch staff were given the opportunity to review the project (USACE Project No. SWF-2025-00434). The USACE concurred that because the two wetlands that were identified would not be affected by project construction, no permit would be required.

Texas Parks and Wildlife Department

The TPWD Wildlife Division, Ecological & Environmental Planning Program staff reviewed the project in accordance with the Texas Parks and Wildlife Code, and provided a response dated October 3, 2025 (TPWD Project No. 56829). The TPWD staff did not anticipate significant adverse impacts to rare, threatened, or endangered species, or other fish and wildlife resources as a result of the proposed project.

United States Fish and Wildlife Service

The USFWS Texas Coastal & Central Plains Ecological Services Field Office, in accordance with the Endangered Species Act and statutes affecting other federally protected species, was given the opportunity to review the project through the Information for Planning and Consultation (IPaC) system (Project Code No. 2025-0112786). The USFWS consistency letter dated December 19, 2025, issued a *No Effect* determination for the listed species in the project area and a formal Section 7 consultation was not required. If the alligator snapping turtle or monarch butterfly are listed prior to or during construction, activities will cease, and the United States Fish and Wildlife Service (USFWS) will be consulted to assess for potential impacts. A *No Effect* determination for the tricolored bat was generated because the Corporation stated that trees will not be removed as part of the project, so this is included as a special condition in this finding.

Texas Commission on Environmental Quality

In a response dated August 26, 2025, the TCEQ stated that a review of the proposed project for general conformity impact, in accordance with 40 CFR Part 93 and Title 30, TAC § 101.30, indicates that Henderson County is currently unclassified or in attainment of the National Ambient Air Quality Standards for all six criteria air pollutants (TCEQ NEPA Request No. 2025-275). Therefore, general conformity rules do not apply. The proposed project is in compliance with the State Implementation Plan and the Clean Air Act. The TCEQ further noted that no long-term impacts are anticipated.

PUBLIC PARTICIPATION

The project is consistent with local, regional, and statewide planning. Coordination with the appropriate governmental agencies has been made and no adverse comments have been received.

Public participation conducted during facilities planning included a public meeting held on November 19, 2025, which was advertised in the *Athens Daily Review*, a newspaper of general circulation in the service area. The notice was published on October 15, 2025, and contained information regarding availability of planning documents, including the EID, for public review at the Corporation’s office at 14321 FM 59, Athens, Texas 75751, during normal business hours.

The public meeting was held at 6 p.m. at the Corporation’s office. A total of nine people attended the meeting. Two questions were asked, neither of which contained opposition to the project.

ENVIRONMENTAL CONDITIONS

An environmental review of the project consistent with NEPA has been completed following the guidelines provided in 31 TAC § 371.45. Mitigation measures were defined through the agency coordination process and public participation and are listed below as applicable

environmental conditions. These conditions will pertain to the project throughout construction and beyond as warranted. Based on information provided by the Corporation, the proposed New Water Well No. 3 and Emergency Power Generator is considered environmentally sound with the following special and standard environmental conditions:

Special Environmental Conditions

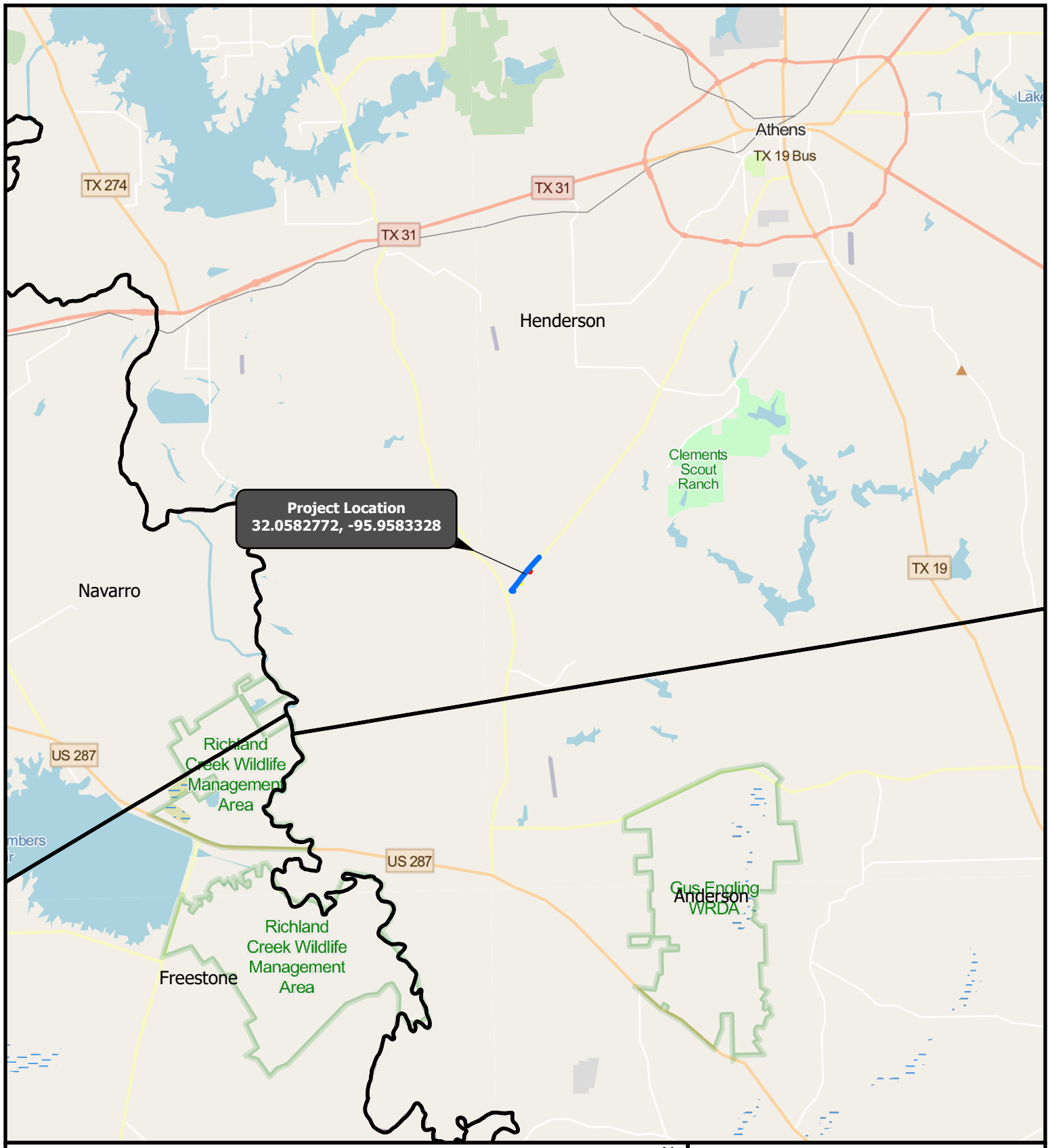
- As per an agreement with the United States Fish and Wildlife Service (USFWS Project Code No. 2025-0112786), to ensure compliance with the Endangered Species Act of 1973 (ESA) and applicable state and federal regulations pertaining to protected species, the following measures will be implemented:
    - If the alligator snapping turtle (*Macrochelys temminckii*) or the Monarch butterfly (*Danaus plexippus*) become federally listed prior to vegetation clearing and/or construction, the Cross Roads Community Water Supply Corporation (Corporation) will conduct additional coordination with the USFWS to ensure compliance with the ESA.
    - Trees will not be removed or cleared from the project area, to avoid impacts to the tricolored bat (*Perimyotis subflavus*).

Standard Environmental Conditions

- Consistent with the TWDB Supplemental Construction Contract Conditions (TWDB-0550), the Corporation will abide by the standard emergency condition for the discovery of cultural resources.

- Consistent with the TWDB Supplemental Construction Contract Conditions (TWDB-0550), the Corporation will abide by the standard emergency condition for the discovery of threatened and endangered species.

Therefore, it is recommended that a Finding of No Significant Impact be issued.



0 3 6 9 12 Miles

N

Coordinate System: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS

Legend

- Existing 4" Waterline
- Existing 6" Waterline
- Well Site Parcel
- Counties

EXHIBIT A-1
LOCATION MAP

Date: 9/3/2025

CRC WSC Well #3
Henderson County, Texas
TWDB Project: 63016

MICHAUXII CREEK ENVIRONMENTAL

SPI SCHAUMBURG & POLK, INC.

Document Path: M:\Michauxii\Clients\SPI\2025_06 - C R C WSC\CRC WSC GIS\CRC WSC GIS\CRC WSC GIS.aprx

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N

Coordinate System: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS

Legend

- Existing 4" Waterline
- Existing 6" Waterline
- Well Site Parcel
- Counties

EXHIBIT A-2
TOPOGRAPHIC MAP

Date: 9/3/2025

CRC WSC Well #3
Henderson County, Texas
TWDB Project: 63016

MICHAUXII CREEK ENVIRONMENTAL

SPI SCHAUMBURG & POLK, INC

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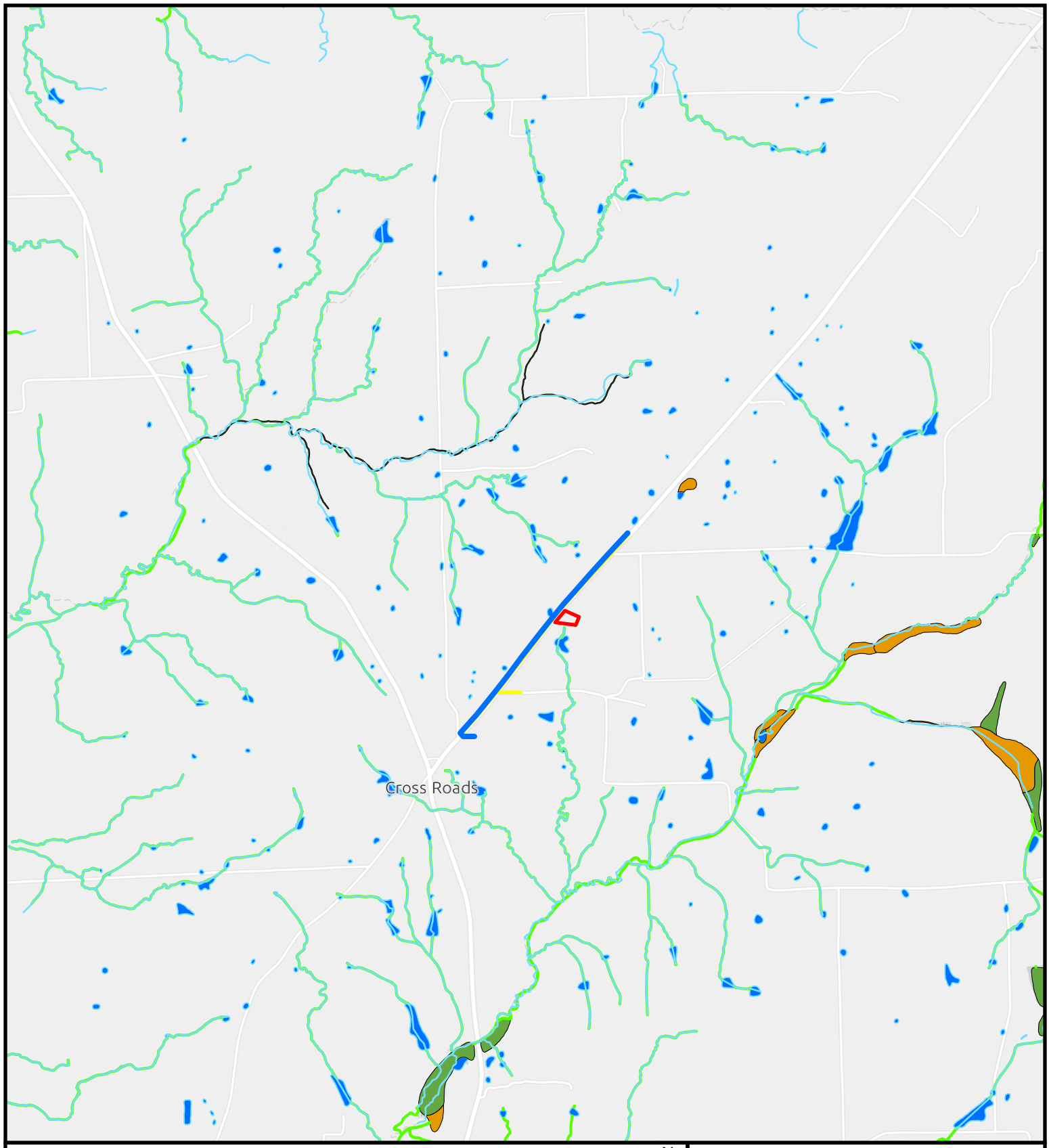

0 ½ 1 1½ 2 Miles

N

Coordinate System: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS

Legend

- Existing 4" Waterline
- Existing 6" Waterline
- Well Site Parcel
- NHD Streams

NWI Wetland Type

- Freshwater Pond
- Freshwater Emergent Wetland
- Freshwater Forested/ Shrub Wetland
- Riverine

EXHIBIT A-6
NWI & NHD MAP

Date: 9/3/2025

CRC WSC Well #3
Henderson County, Texas
TWDB Project: 63016

MICHAUXII CREEK ENVIRONMENTAL

SPI SCHAUMBURG & POLK, INC

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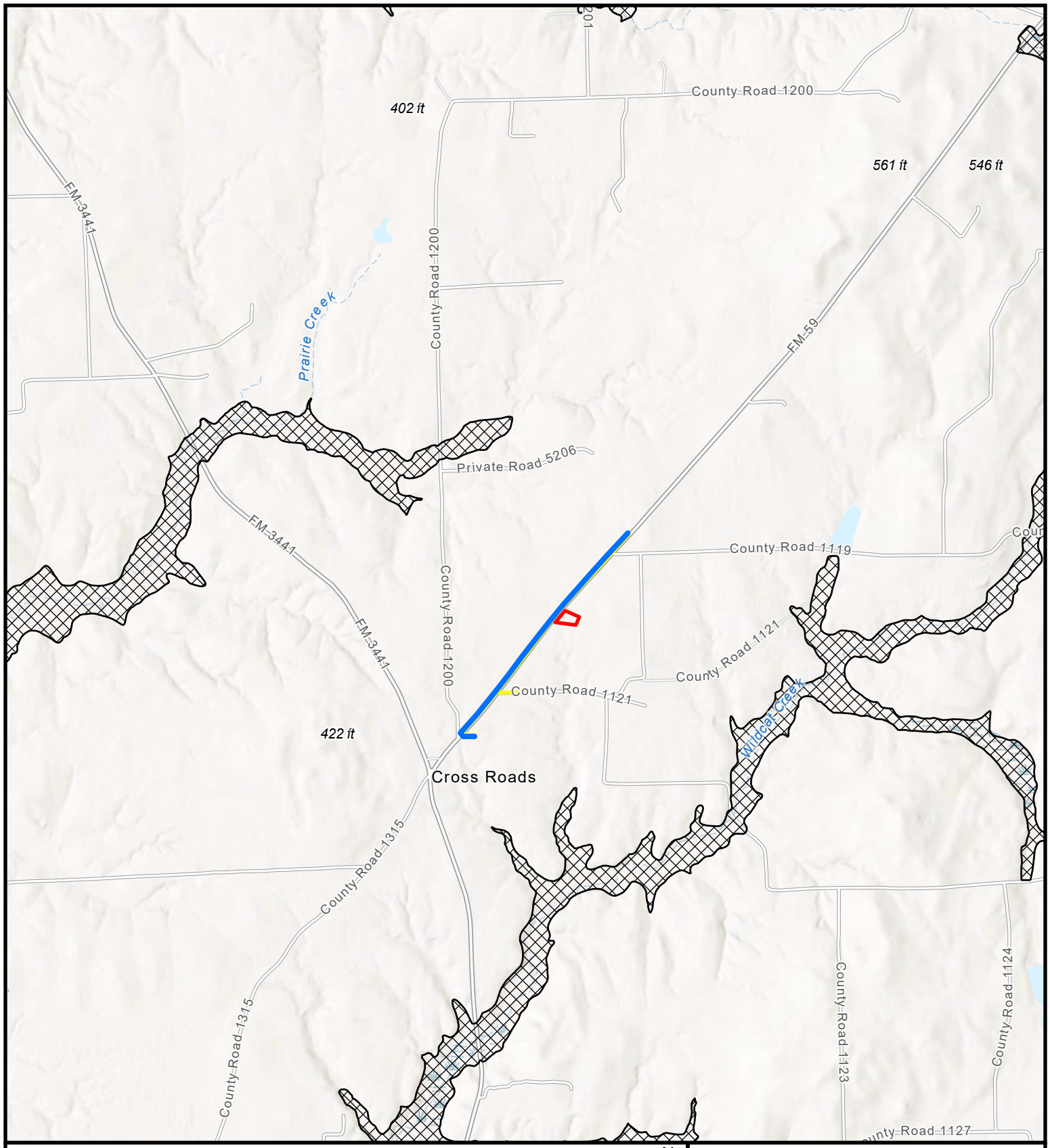

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N

Coordinate System: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS

Legend

- Existing 4" Waterline
- Existing 6" Waterline
- Well Site Parcel
- Flood Zone A (100-Year Floodplain)

EXHIBIT A-5
FLOODPLAIN MAP

Date: 9/3/2025

CRC WSC Well #3
Henderson County, Texas
TWDB Project: 63016

MICHAUXII CREEK ENVIRONMENTAL

SPI SCHAUMBURG & POLK, INC.

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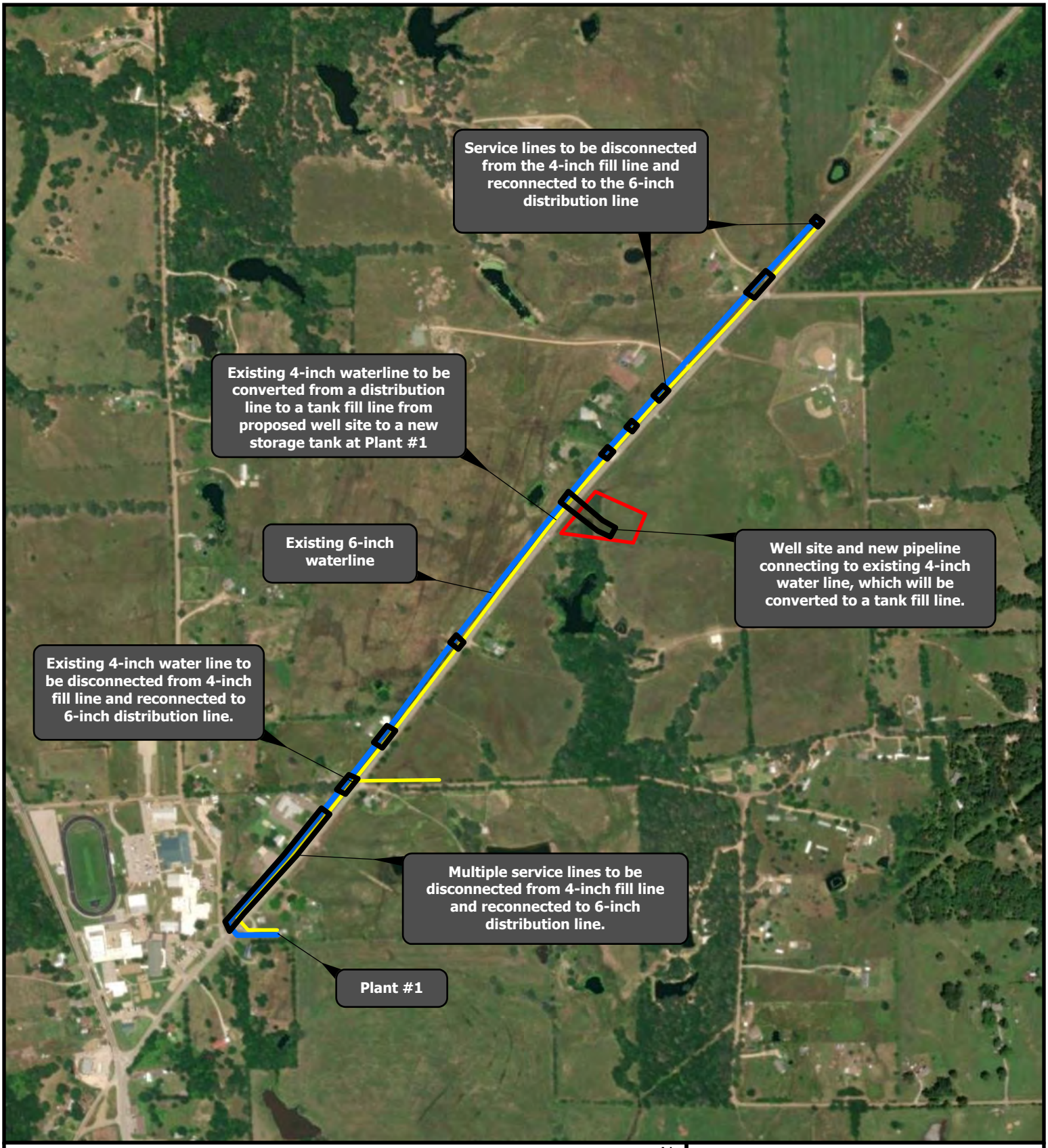

0 750 1,500 2,250 3,000 Feet

N

Coordinate System: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS

Legend

- Existing 4" Waterline
- Existing 6" Waterline
- Well Site Parcel
- Construction Areas

EXHIBIT A-3 PROJECT PLAN OVERVIEW

Date: 9/3/2025

CRC WSC Well #3
Henderson County, Texas
TWDB Project: 63016

MICHAUXII CREEK ENVIRONMENTAL

SPI SCHAUMBURG & POLK, INC

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N

Exhibit 3
Potential Waters of the U.S.
2024 Aerial Map

CRC WSC Well #3
Henderson County, Texas

Legend

- Wetland Data Points
- Emergent Wetlands
- Existing 4" Waterline
- Existing 6" Waterline
- Well Site Parcel
- Construction Areas

Date Exported: 8/19/2025 3:01 PM

0 75 150 225 300 Feet

N

Coordinate System: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS

EXHIBIT A-3-2
PROJECT PLAN
WELL SITE OVERVIEW

Date: 12/22/2025

CRC WSC Well #3
Henderson County, Texas
TWD Project: 63016

MICHAUXII CREEK ENVIRONMENTAL

SPI SCHAUMBURG & POLK, INC.

Legend

- Existing 4" Waterline
- Existing 6" Waterline
- Emergent Wetlands
- Construction Areas
- Plant 1 and Well Site Parcels

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0 75 150 225 300 Feet

N

Coordinate System: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS

Legend

- Existing 4" Waterline
- Existing 6" Waterline
- Emergent Wetlands
- Construction Areas
- Plant 1 and Well Site Parcels

EXHIBIT A-3-1
PROJECT PLAN
PLANT 1 OVERVIEW

Date: 12/22/2025

CRC WSC Well #3
Henderson County, Texas
TWD Project: 63016

MICHAUXII CREEK ENVIRONMENTAL

SPI SCHAUMBURG & POLK, INC.

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