AGENDA ITEM
CA13

AGENDA PLACEMENT FORM

Send to: ccagenda@johnsoncountytx.org

Date: 5/20/2026

Meeting Date: 6/8/2026

Submitted By:

Department: County Judges Office

Signature of Elected Official/Department Head:

Court Decision:
This section to be completed by County Judge's Office

Johnson County ★ ACKNOWLEDGED ★ Commissioners Court

6.08.2026

Description:

Acknowledgement of Receipt of Notification Regarding Request for Review of Proposed Communications Tower in Johnson County, Texas (TCNS ID 309389) Jessica Substation-County Judges Office

(May attach additional sheets if necessary)

Person to Present: _____

(Presenter must be present for the item unless the item is on the Consent Agenda)

Supporting Documentation: (check one) ☑ PUBLIC ☐ CONFIDENTIAL

(PUBLIC documentation may be made available to the public prior to the Meeting)

Estimated Length of Presentation: _____ minutes

Session Requested: (check one)

☐ Action Item ☑ Consent ☐ Workshop ☐ Executive ☐ Public Announcement

Check All Departments That Have Been Notified:

☐ County Attorney ☐ IT ☐ Purchasing ☐ Auditor

☐ Personnel ☑ Development Services ☐ Facilities Management

Other Department/Official (list) _____

Please List All External Persons Who Need a Copy of Signed Documents In Your Submission Email

Approved in CC on 9/11/2023

Stantec Consulting Services Inc.
1905 Aldrich Street, Suite 300 Austin TX 78723-3544

May 19, 2026

Hon. Christopher Boedeker, County Judge
Johnson County Courthouse
2 N. Main Street
Cleburne, Texas 76033
judgeboedeker@johnsoncountytx.org

Delivered via regular mail and email

Re: Request for Review of Proposed Communications Tower in Johnson County, Texas (TCNS ID 309389)

Dear Honorable Judge Boedeker:

In accordance with the guidelines in the Nationwide Programmatic Agreement (PA) for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (FCC), we are providing notification to Johnson County of plans to construct a new communications tower with an FCC-licensed antenna.

Brazos Electric Power Cooperative, Inc. (Brazos Electric) proposes to construct a new communications tower at the Jessica Substation, at 2873 FM 917, Mansfield (Johnson County), Texas, 76063 (32.521564, -97.139836). A map with the project location is enclosed (**Attachment 1, Figure 1**). The proposed self-support communications tower would be 50 feet in height, plus an 8-foot lightning rod. The tower is designed to accommodate one licensed 3-foot parabolic antenna installed at 45 feet above ground level (**Attachment 2, Drawing 853C**). No lighting would be installed on the structure.

For this project, the area of potential effects (APE) for Direct Effects is the triangular tower footprint, measuring 2 feet per side, located within the existing Jessica Substation. The APE for Visual Effects was established as a 0.5-mile radius from the proposed tower site, in accordance with the terms of the PA. Although, as noted above, the proposed tower site is in Johnson County, a portion of the APE is within Mansfield, Texas city limits. Stantec architectural historians and archeological staff performed a background search to assist Brazos Electric in complying with the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended, and the PA.

According to the *Restricted Texas Archeological Sites Atlas* there are three previous archeological surveys within the Visual Effects APE (**Attachment 1**, **Figures 2** and **3**), one of which, conducted by Horizon Environmental Services in 2006, completely overlaps the Direct Effects APE (see **Attachment 1**, Cultural Resources Memo, for additional detail). There are no recorded archeological sites, historic sites, State Antiquities Landmarks (SALs), historical markers, properties or districts listed in the National Register of Historic Places (NRHP), cemeteries, or other previously recorded cultural resources within the Direct Effects APE or the 0.50-mile (0.80-kilometer) Visual Effects APE.

The Direct Effects APE has very likely been impacted by initial land clearing efforts, construction and maintenance of adjacent roadways, construction of the Jessica Substation, and installation of both below- and above-ground utility lines. It is unlikely the Direct Effects APE would contain unknown intact archeological sites or other cultural materials that could be encountered during the proposed tower construction. Therefore, under the terms of the PA, Stantec recommends that no further archeological work be undertaken prior to the commencement of the proposed construction project (**Attachment 1**).

Stantec Consulting Services Inc.
1905 Aldrich Street, Suite 300 Austin TX 78723-3544

Stantec architectural historians reviewed the Texas Historical Commission's Texas Historic Sites Atlas and the Texas Department of Transportation's Historic Resources Aggregator for previously identified National Historic Landmarks, eligible or listed NRHP properties and districts, Recorded Texas Historic Landmarks, above-ground SALs, Historic Bridges of Texas, Official Texas Historical Markers, Historic Texas Cemeteries, and previous cultural resource surveys mapped in the APE. No previously identified resources are recorded in the Direct or Visual Effects APE. No previous non-archeological cultural resource surveys are mapped in the Direct Effects APE. One previous survey, the 1998 Historic Resources Survey Update for Mansfield by Diane E. Williams & Associates, overlaps a portion of the Visual Effects APE. The survey results did not recommend any above-ground resources in the Visual Effects APE as NRHP-eligible. Stantec also contacted the State Historic Preservation Office (SHPO) to inquire about any properties that the SHPO certifies are in the process of being nominated to the NRHP; properties previously determined eligible; or properties previously evaluated and found to meet the NRHP criteria. No such properties have been identified in the Direct or Visual Effects APE.

If you have comments regarding the effect the proposed tower may have on any historic property, please send them to me at Jennifer Brosz, Stantec, 1905 Aldrich Street, Suite 300 Austin, TX 78723-3544, (919) 325-4770, or by email (preferred) to jennifer.brosz@stantec.com.

Sincerely,



Jennifer Brosz
Staff Architectural Historian
Stantec Consulting Services, Inc.
stantec.com

Attachments:
Attachment 1: Archeology Cultural Resource Memo with Tower Site Location and Area of Potential Effects (Figures 1-3)
Attachment 2: Project Plan (Drawing 853C; Plot Plan 853S)
Attachment 3: Project Area Photographs

Attachment 1

Stantec

Memo

To:	Richard Chambers Brazos Electric Power Cooperative, Inc.	From:	Kate Pelusio, MA, RPA Stantec
CC:			
File:	Jessica Substation Communications Tower	Date:	April 28, 2026

Reference: Jessica Substation Communications Tower, Johnson County, Texas (TCNS# 309389), Cultural Resources Memo

Brazos Electric Power Cooperative, Inc. (Brazos Electric), proposes to construct a self-support (lattice) communications tower, with an antenna licensed by the Federal Communications Commission (FCC), within the existing Jessica Substation at 2873 Farm-to-Market (FM) 917, (32.521564, -97.139836), Mansfield (Johnson County), Texas 76063 (**Figures 1**, **2**, and **3**). The proposed self-support tower will be 50 feet (15.24 meters) tall. An 8-foot (2.44-meter) lightning rod will be installed atop the tower making overall height 58 feet (17.68 meters). The proposed tower will include one parabolic antenna, measuring 3 feet (0.91 meters) tall, installed at the elevation of 45 feet (13.72 meters) above ground level. No lighting would be installed on the structure. The tower footprint is triangular, measuring 2 feet (0.61 meters) on each side. Ground-disturbing activities associated with the construction of the communications tower typically occur within 1 foot (0.30 meters) of the existing ground surface. This would exclude the installation of the footings, which would likely exceed the expected depth of disturbance in isolated areas and could be expected to reach depths of 45 feet (13.72 meters).

Stantec Consulting Services Inc. (Stantec) archeological staff performed a background search to assist Brazos Electric in complying with the requirements of Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended, and the Nationwide Programmatic Agreement (PA) for Review of Effects on Historic Properties for Certain Undertakings Approved by the FCC. All Stantec staff involved in this background search meet or exceed the Secretary of the Interior's *Professional Qualification Standards* in archeology.

According to the terms of the PA, the applicant (Brazos Electric) need not undertake a field survey for archeological resources where:

- The depth of disturbances from pending substation construction exceeds the proposed tower construction depth (excluding footings and other anchoring mechanisms, such as piers) by at least 2 feet (0.61 meters) as documented in the applicant's siting analysis; or
- Geomorphological evidence indicates that cultural resource-bearing soils do not occur within the project area or may occur but at depths that exceed 2 feet (0.61 meters) below the proposed construction depth.

For this project, the area of potential effects (APE) for Direct Effects is the tower footprint, and the APE for Visual Effects is a 0.50-mile (0.80-kilometer) radius around the proposed tower site.

Reference: **Jessica Substation Communications Tower**

Background Information

The proposed tower is located within the Northern Blackland Prairie subregion of the larger Blackland Prairie ecoregion of Texas (Griffith et al. 2010; Omernik and Griffith 2013). The Northern Blackland Prairie subregion is characterized by rolling to nearly level plains underlain by interbedded chalks, marls, limestones and shales of Cretaceous age. Historic vegetation was tallgrass prairie with big bluestem (*Andropogon gerardii*), yellow Indiangrass (*Sorghastrum nutans*), little bluestem (*Schizachyrium scoparium*) and tall dropseed (*Sporobolus compositus*). Today most of the prairie has been converted to cropland, non-native pasture, and urban development (Omernik and Griffith 2013).

The closest water source to the Direct Effects APE is Reece Branch (an intermittent stream), located approximately 0.26 miles (0.42 kilometers) to the northeast (National Wetlands Inventory 2026). Geologically, the Direct Effects APE is underlain by a single unit: Eagle Ford Group Undivided of Gulfian age. The formation is comprised of shale, and sandstone with a thickness range of 200–300 feet (60.96–91.44 meters) below ground surface (United States Geological Survey [USGS] 2026a).

According to Natural Resources Conservation Service data, there is one soil series mapped within the Direct Effects APE: Heiden Clay on 1 to 3 percent slopes. This soil series typically consists of very deep, well drained, very slowly permeable soils that formed in clayey residuum. These nearly level to moderately sloping soils are typically found on footslopes of base slopes and shoulders of interfluves. Heiden Clay is not associated with 'buried A' horizons or paleosols and subsoil (Bkss1) is encountered at 18 inches (46 centimeters) below surface (Soil Survey Staff 2026). Buried A soil horizons are of particular interest to archeologists because these strata represent a ground surface that has been buried over time and has been preserved or "capped" by upper soil strata.

Stantec conducted a search of the *Restricted Texas Archeological Sites Atlas* (Atlas) maintained by the Texas Historical Commission (THC) and the Texas Archeological Research Laboratory (TARL) to identify archeological and historic sites, State Antiquities Landmarks (SALs), historical markers, properties or districts listed in the National Register of Historic Places (NRHP), cemeteries, previously conducted archeological surveys, or other previously recorded cultural resources within the Direct Effects APE and a 0.50-mile (0.80-kilometer) radius (Visual Effects APE; see **Figures 2** and **3**).

According to Atlas data, there are three previous archeological surveys within the Visual Effects APE, one of which completely overlaps the Direct Effects APE (see highlighted row in **Table 1** below). There are no recorded archeological sites, historic sites, SALs, historical markers, properties or districts listed in the NRHP, cemeteries, or other previously recorded cultural resources within the Direct Effects APE or the 0.50-mile (0.80-kilometer) study area (THC 2026).

Table 1. Previous Surveys within 0.50-Mile (0.80-kilometer) Study Area

Atlas ID	Type	Description	Distance from Direct Effects APE
8500011677	Linear Survey	Conducted in 2005, by Horizon Environmental Services, Inc.	0.17 miles (0.27 kilometers) north

Reference: **Jessica Substation Communications Tower**

Table 1. Previous Surveys within 0.50-Mile (0.80-kilometer) Study Area

Atlas ID	Type	Description	Distance from Direct Effects APE
8100013061	Linear Survey	Conducted in 2006, by Horizon Environmental Services, Inc.	Overlaps entire Direct Effects APE
8500046992	Linear Survey	Conducted in 2013 by AmaTerra Environmental, Inc.	0.06 miles (0.09 kilometers) south

Historical topographic maps and aerial imagery were also reviewed to examine how the project locale and surrounding area have been used over time. Reviewed materials include historic topographic maps from the years 1894, 1945, 1959, 1968, 1973, 1981, and 1991 well as aerial images from the years 1938, 1956, 1963, 1970, 1981, 1990, 2004, 2008, 2014, 2024, and 2026 (Google Earth 2026; National Environmental Title Research [NETR] 2026; USGS 2026b).

The earliest topographic maps available from 1894 and 1945 *Fort Worth, TX* (both at 1:125,000 scale) depict both the Direct Effects APE and surrounding Visual Effects APE as rural land south of the City of Mansfield. The 1959 *Mansfield, TX* map (1:24,000 scale) shows the Direct Effects APE is undeveloped and Farm-to-Market (FM) 917 has been constructed to the north. This map depicts the Visual Effects APE likewise to be primarily rural land, intersected by a series of unnamed roads with sparse residential development flanking the roadways. Later maps reviewed from 1968, 1973, and 1981 *Mansfield, TX* (all at 1:24,000 scale) as well as 1991 *Fort Worth, TX* (1:100,000 scale) show no changes in development within the Direct Effects APE but do depict steady residential development within the surrounding Visual Effects APE (USGS 2026b).

The earliest aerial images available from 1938 and 1956 confirm the general trends observed in the series of topographic maps reviewed above. The Direct and Visual Effects APEs are within an undeveloped rural setting and are surrounded by agricultural fields with some sparse rural residences along the roadways. Aerials from 1963, 1970, 1981, 1990, and 2004 depict the Direct Effects APE to be within a plowed and terraced agricultural field, south of FM 917. During this timeframe, aerials show steady residential growth and construction of rural housing tracts within the northeastern and southwestern portions of the Visual Effects APE. The 2008 aerial shows that the extant Jessica substation has been constructed within the Direct Effects APE and no notable changes within the Visual Effects APE. Later aerials reviewed from 2014, 2024, and 2026 likewise show no notable changes in development or infrastructure within the Direct Effects APE or the surrounding Visual Effects APE (Google Earth 2026; NETR 2026).

In summary, the Direct Effects APE was rural agricultural land from at least 1894 through approximately 2004, when the Jessica substation was constructed. No buildings of historic age were observed to be within the immediate vicinity of the Direct Effects APE in any of the historic topographic maps or aerial images reviewed. There were multiple buildings observed within the Visual Effects APE from 1959 through 2026. The search for previously

identified National Register-listed or -eligible buildings in the Visual Effects APE is enumerated separately in the above-ground resources review document.

Recommendations

The Direct Effects APE is located within the existing Jessica substation. The construction of the current substation facility undoubtedly impacted the upper deposits across the entire Direct Effects APE. No known archeological resources are mapped within the Direct Effects APE or Visual Effects APE. It is highly unlikely the Direct Effects APE would contain unknown archeological sites or other cultural materials that could be encountered during the proposed tower construction. Therefore, under the terms of the PA, Stantec recommends that no further archeological work be undertaken prior to the commencement of the proposed collocation project. If future design changes call for additional proposed APE in other previously undisturbed areas, additional investigations may be required.

If any unanticipated cultural materials or deposits are found at any stage of clearing, preparation, or construction, the work should cease, and the appropriate Brazos Electric and THC personnel notified. The project has a low probability of encountering human burials; however, if burials are discovered, all work must stop, Johnson County and the THC must be notified immediately, and all requirements of 8 THSC 711 followed.

Please feel free to contact me if you have any questions or require additional information.



Kate Pelusio, MA, RPA
Staff Archeologist / Principal Investigator
Phone: 469-559-2925
Kate.pelusio@stantec.com
Stantec Consulting Services Inc.

Attachments

Figure 1. Project Location (aerial base)
Figure 2. Tower Site Location and Area of Potential Effects (aerial base)
Figure 3. Tower Site Location and Area of Potential Effects (topographic base)

References

Google Earth™ Pro (Google Earth)
2026 *Historic Aerial Imagery viewed through Google Earth*. Available at https://www.google.com/earth/. Accessed April 13, 2026.

Griffith, G. E., S. A. Bryce, J. M. Omernik, J. A. Comstock, A. C. Rogers, B. Harrison, S. L. Hatch, and D. Bezanson

Reference: Jessica Substation Communications Tower

2010 *Ecoregions of Texas*. Bureau of Economic Geology. Reproduced from the U.S. Geological Survey 2004 Map Version. Available at https://editors.eol.org/eoearth/wiki/Ecoregions_of_Texas_(EPA). Accessed April 13, 2026.

National Environmental Title Research (NETR)
2026 *Historic Aerials Database.* Nationwide Environmental Title Research. Available at http://www.historicaerials.com. Accessed April 13, 2026.

National Wetlands Inventory (NWI)
2026 Wetlands Mapper. United States Fish and Wildlife Service. https://www.fws.gov/wetlands/data/mapper.html. Accessed April 13, 2026.

Omernik, J. M., and G. E. Griffith
2013 Ecoregions of Texas (EPA). *The Encyclopedia of Earth*. (Bureau of Economic Geology *Ecoregions of Texas* Map date 2010 in article). Article updated 27 March 2013. Available at https://editors.eol.org/eoearth/wiki/Ecoregions_of_Texas_(EPA). Accessed April 13, 2026.

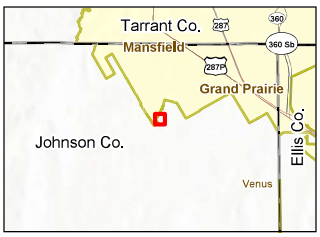
Soil Survey Staff, U.S. Department of Agriculture, Natural Resources Conservation Service (NRCS)
2026 *Soil Survey Geographic (SSURGO) Database.* Available at http://casoilresource.lawr.ucdavis.edu/soilweb/. Accessed April 13, 2026.

Texas Historical Commission (THC)
2026 *Restricted Texas Archeological Sites Atlas*. Texas Archeological Research Laboratory and the Texas Historical Commission. Available at https://atlas.thc.state.tx.us/Account/Login. Accessed April 13, 2026.

United States Geological Survey (USGS)
2026a *Pocket Texas Geology*. United States Geological Survey. Available at https://txpub.usgs.gov/txgeology/. Accessed April 13, 2026.

2026b *USGS Historical Topographic Map Explorer*. United States Geological Survey. Available at http://historicalmaps.arcgis.com/usgs/. Accessed April 13, 2026.





Legend

- Direct Effects APE (Tower Footprint)
- Parcel Boundary

0 100 200 Feet

(At original document size of 8.5x11)
1:2,400

N

Notes

1. Coordinate System: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
2. Data Source: StratMap (2026)
3. Background: NAIP (2022)

Stantec

Project Location
Johnson County, TX

Prepared by SGL on 2026-04-16
TR by SH on 2026-04-21
IR by JB on 2026-04-21

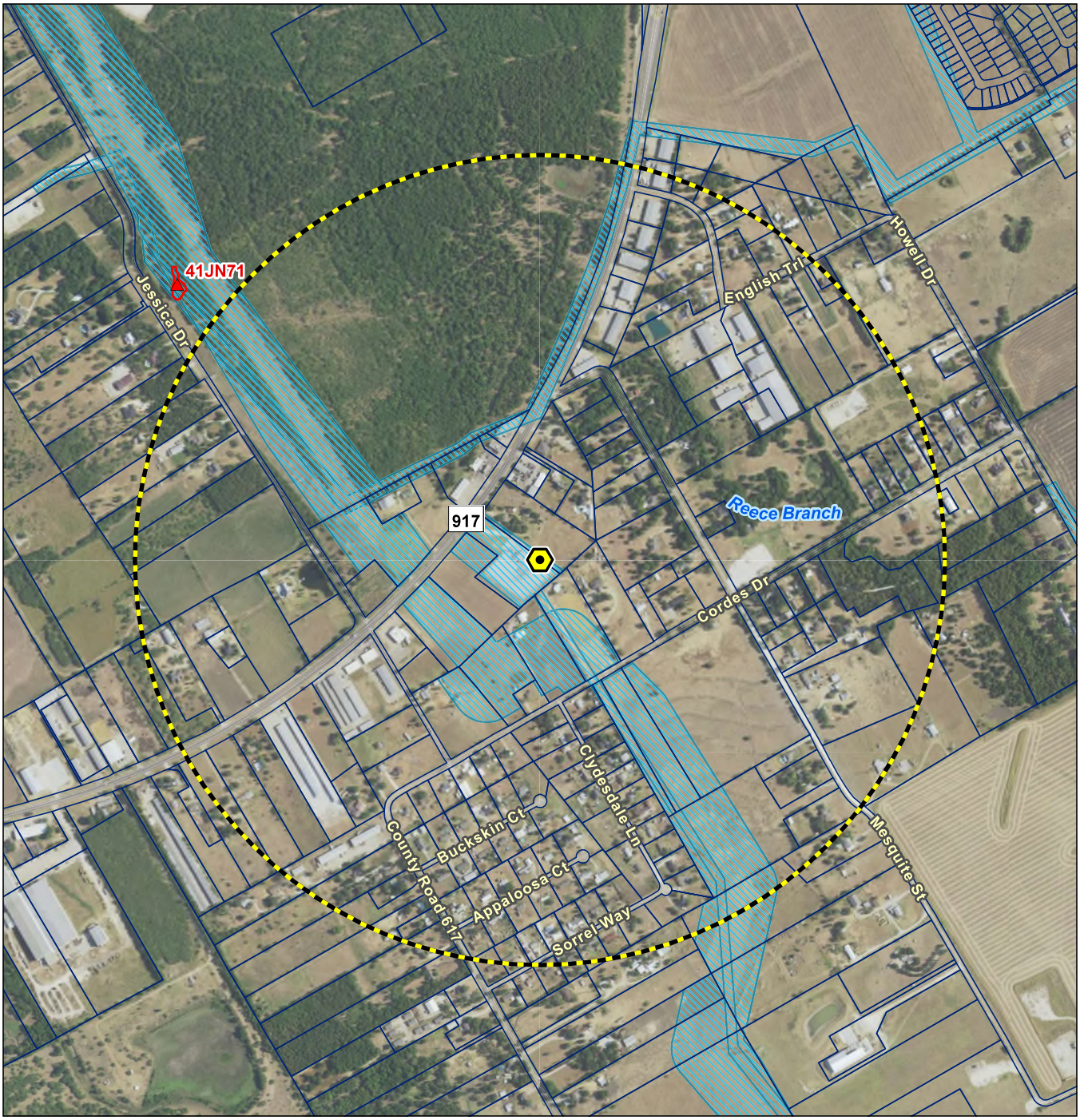
Client/Project 235302209
Brazos Electric Power Cooperative, Inc.
Jessica Substation Communications Tower
Cultural Resources Memo

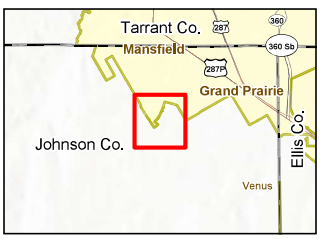
Figure No.
1

Title
Project Location (Aerial Base)

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Notes
1. Coordinate System: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
2. Data Sources: THC (2026), TxDOT (2026), StratMap (2025)
3. Background: NAIP (2022)

Legend
- Direct Effects APE (Tower Footprint)
- 1/2-mile APE for Visual Effects
- Previously Recorded Archeological Site
- Parcel Boundary
- Previous Archeological Project (Area)

Figure contains restricted information.
Not for public display.

Note: No NRHP-listed or eligible properties within the current map extent

0 500 1,000 Feet
(At original document size of 8.5x11)
1:12,000

N

Stantec

Project Location
Johnson County, TX

Prepared by SGL on 2026-04-16
TR by SH on 2026-04-21
IR by JB on 2026-04-21

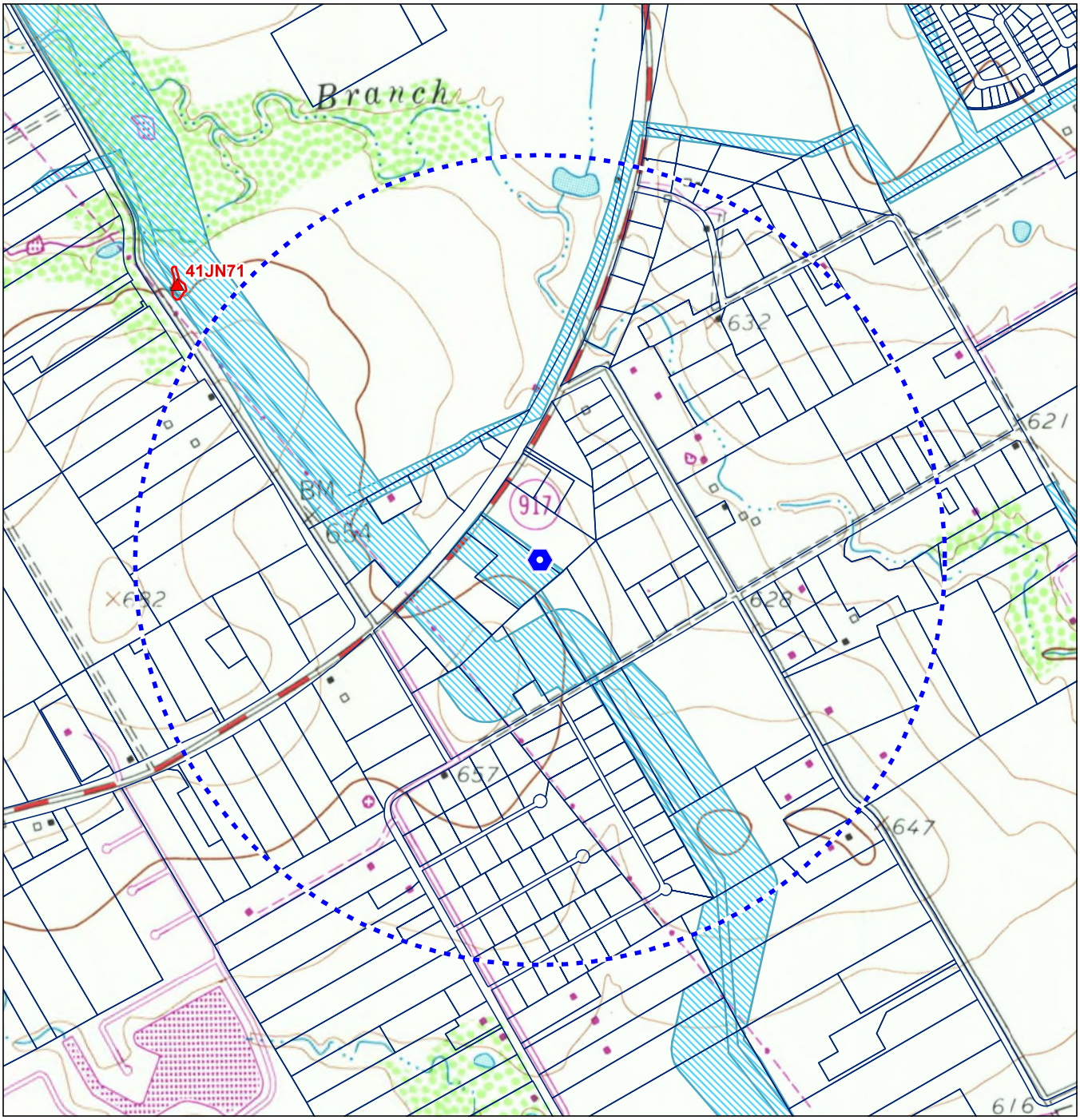
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Jessica Substation Communications Tower
Cultural Resources Memo

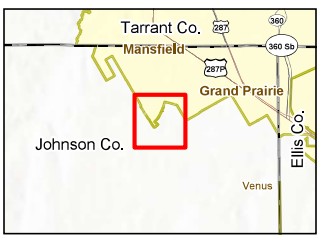
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Title
Tower Site Location and Area of Potential Effects

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Notes
1. Coordinate System: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
2. Data Sources: THC (2026), TxDOT (2026), StratMap (2025)
3. Background: USGS 7.5' Topographic Quadrangle (*Mansfield* 1981)

Legend
- Direct Effects APE (Tower Footprint)
- 1/2-mile APE for Visual Effects
- Previously Recorded Archeological Site
- Parcel Boundary
- Previous Archeological Project (Area)

Figure contains restricted information.
Not for public display.

Note: No NRHP-listed or eligible properties within the current map extent

0 500 1,000 Feet
(At original document size of 8.5x11)
1:12,000

N

Stantec

Project Location
Johnson County, TX

Prepared by SGL on 2026-04-16
TR by SH on 2026-04-21
IR by JB on 2026-04-21

Client/Project 235302209
Brazos Electric Power Cooperative, Inc.
Jessica Substation Communications Tower
Cultural Resources Memo

Figure No.
3

Title
Tower Site Location and Area of Potential Effects

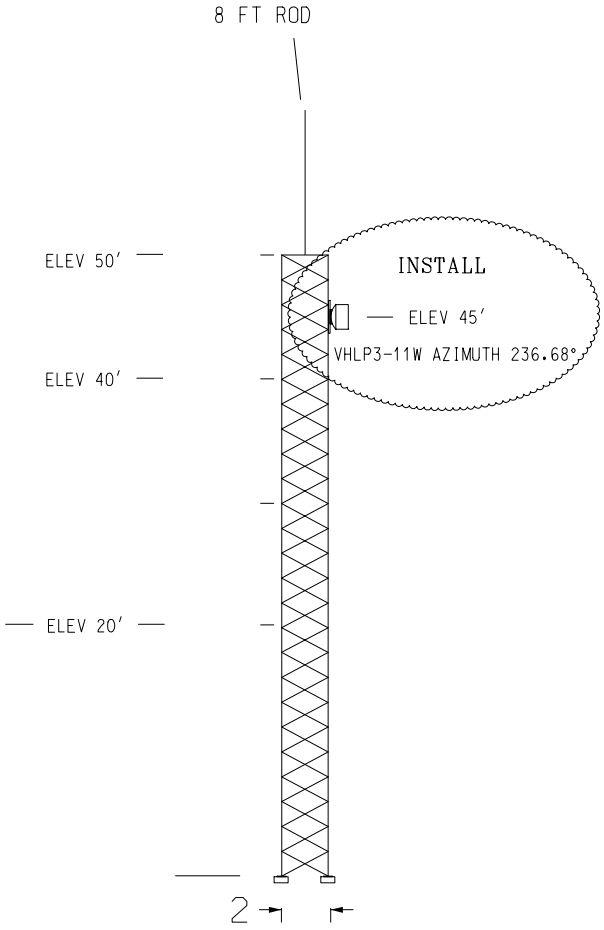
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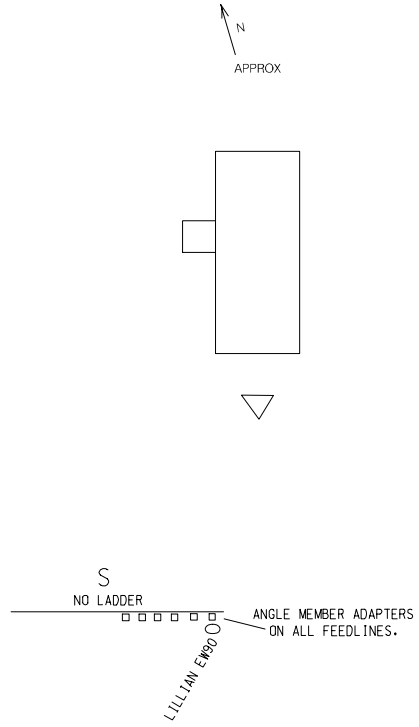
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Attachment 2

JESSICA TOWER

50' SS
2' FACE
DALEY TOWERS
CURRENT: 105 MPH +1 1/2" ICE
(ANSI/EIA 222 H 2026)
LAST ANALYSIS: CASE INTERNATIONAL LLC DEC 2025
CABLE LADDER: YES
ICE BRIDGE: YES
SEE DESIGN DRAWINGS FOR STRUCTURAL DETAIL.





Work Order/Job No.: 1832159 File No.: 853-2455129-C

BRAZOS ELECTRIC COOPERATIVE

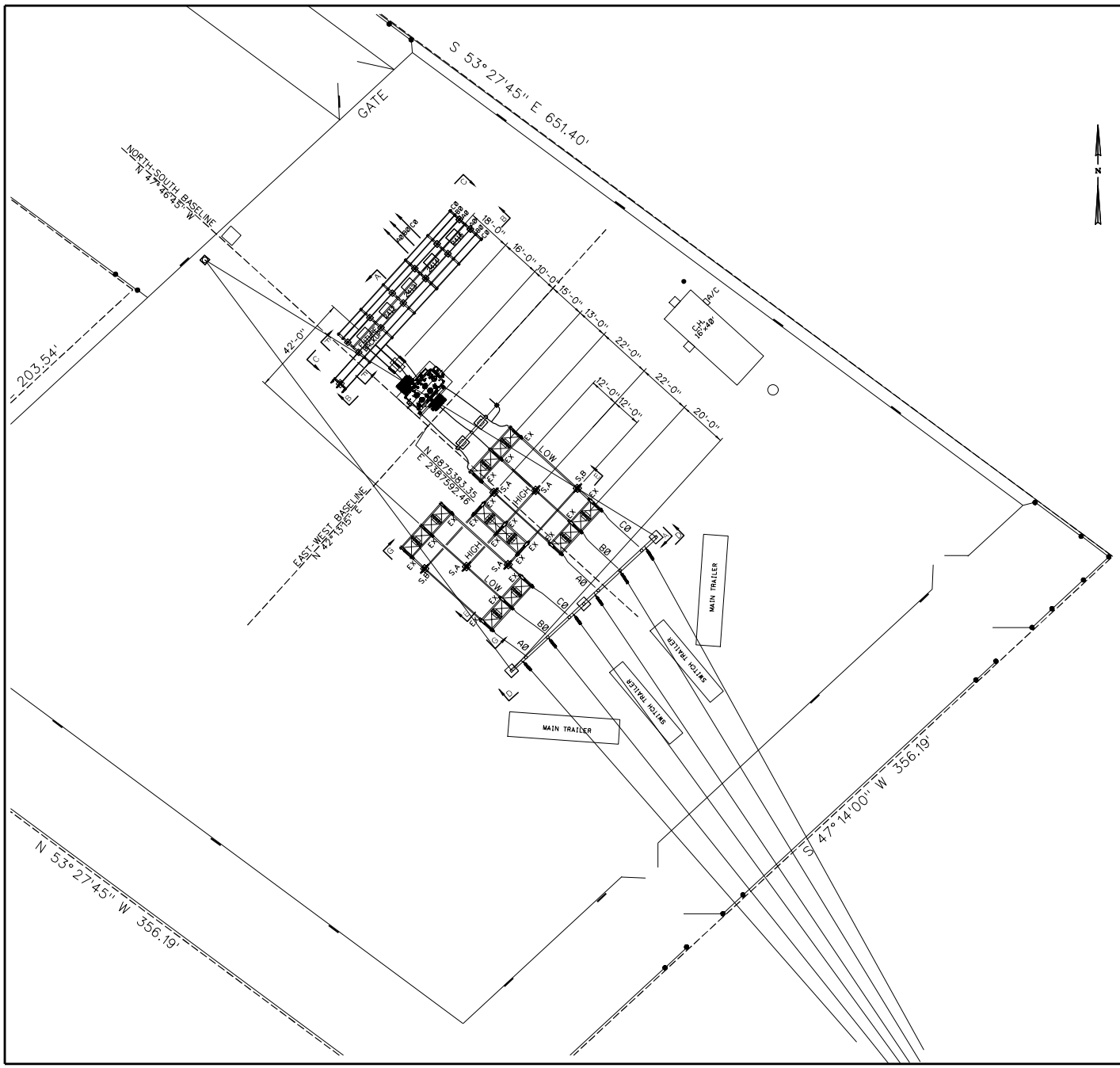
JESSICA SUB

TOWER LOADING

Scale:	1" = 10'
Date:	JANUARY 31, 2007
Drawn:	JACKSON,K
Checked:	
Approved:	DERRICK
Print:	5/5/2026 10:03:25 AM

Dwg. No.: 853C

Sheet No.: 1 OF 1



STRINGING CHARTS

*1 OHGW FROM NORTH 138KV F DE TO 60' STATIC MAST
DESIGN: 1000LB @ 20° F. 1" ICE 4.00 SPF WIND INITIAL

SPAN LENGTH (FT)	MID SPAN SAG 30F (FT)	MID SPAN SAG 40F (FT)	MID SPAN SAG 50F (FT)	MID SPAN SAG 60F (FT)	MID SPAN SAG 70F (FT)	MID SPAN SAG 80F (FT)	MID SPAN SAG 90F (FT)	210.0		
215.0	12.04	12.09	12.13	12.18	12.23	12.27	12.32	12.36		
	HORIZ TENSION 30F (LBS)	HORIZ TENSION 40F (LBS)	HORIZ TENSION 50F (LBS)	HORIZ TENSION 60F (LBS)	HORIZ TENSION 70F (LBS)	HORIZ TENSION 80F (LBS)	HORIZ TENSION 90F (LBS)	HORIZ TENSION 100F (LBS)		
	132	131	131	130	130	129	129	128		

*2 OHGW FROM SOUTH 138KV F DE TO 60' STATIC MAST
DESIGN: 1000LB @ 20° F. 1" ICE 3.00 SPF WIND INITIAL

SPAN LENGTH (FT)	MID SPAN SAG 30F (FT)	MID SPAN SAG 40F (FT)	MID SPAN SAG 50F (FT)	MID SPAN SAG 60F (FT)	MID SPAN SAG 70F (FT)	MID SPAN SAG 80F (FT)	MID SPAN SAG 90F (FT)	MID SPAN SAG 100F (FT)		
210.0	11.49	11.53	11.57	11.62	11.66	11.70	11.75	11.79		
	HORIZ TENSION 30F (LBS)	HORIZ TENSION 40F (LBS)	HORIZ TENSION 50F (LBS)	HORIZ TENSION 60F (LBS)	HORIZ TENSION 70F (LBS)	HORIZ TENSION 80F (LBS)	HORIZ TENSION 90F (LBS)	HORIZ TENSION 100F (LBS)		
	132	131	131	130	130	129	129	128		

LEGEND:

- BASE LINE
- CHAINLINK FENCE
- BARBED WIRE FENCE

A - A-FRAME BUS CONNECTION
B - BRACED A-FRAME BUS CONNECITON
EX - EXPANSION
S - SLIP

No.	Date	WO/J#	Revisions	Dr.	Chk.	App.
			SIGNED ORIGINAL ON FILE			
3	12/18		RECORD PRINTS - ADD BKR 2415	RK	SJS	SJS
2	10/18	180596	ADD BKR 2415	RK	SJS	SJS
1	6/89	182963	ISSUED FOR RECORD	KAB		

Work Order/Job No.: File No.:

BRAZOS ELECTRIC COOPERATIVE

JESSICA SUBSTATION

PLOT PLAN

Scale: 1"=20'-0"
Date: 8/29/86
Drawn: DLS
Checked: DTL
Approved: SHAEFFER SIDES
Prints: 12-28-2018 10:57:48

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DRAWING FILE NAME: 853SGPP.DGN

Attachment 3

Project Area Photographs

Photographs taken April 21, 2026, from a height of 5 ft.; focal length 5mm. Stantec captured directional photographs (2 through 9) from as near the existing tower site as safely permissible.



Photograph 1: Overview of the proposed Jessica Substation communications tower site from FM 917, facing southeast. The red arrow (above, left) indicates the approximate location of the proposed tower within the existing substation.



Photograph 2: View from proposed tower site; facing north.



Photograph 3: View from proposed tower site; facing northeast.



Photograph 4: View from proposed tower site; facing east.



Photograph 5: View from proposed tower site; facing southeast.



Photograph 6: View from proposed tower site; facing south.



Photograph 7: View from proposed tower site; facing southwest.



Photograph 8: View from proposed tower site; facing west.



Photograph 9: View from proposed tower site; facing northwest.



Photograph 10: General project setting and existing transmission infrastructure along FM 917. View from the access drive, northwest of Jessica Substation; facing southwest.



Photograph 11: General project setting. View from Jessica Substation access drive; facing northwest.



Photograph 12: General project setting along FM 917. View from Jessica Substation outer access gate; facing northeast.



Photograph 13: General project setting. View from Jessica Substation access drive; facing east.