

REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

Fort Bend County Engineering Department
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytexas.gov

Right of Way Permit
 Commercial Driveway Permit
Permit No: 2017-15332

Applicant: MCI Metro Access Transmission Services, Corp./Eagle Eye Permitting & Design, LLC

Job Location Site: 7217 Thompson Ferry Road, Missouri City, TX 77459

Bond No. **Date of Bond:** 5/1/2017 **Amount:** \$50,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

Notes:

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
 - a. 48 hours in advance of construction start up, and
 - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 22nd day of August, 2017, Upon Motion of Commissioner Meyers, seconded by Commissioner Morales, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

Signature

Presented to Commissioners Court and approved.

By: Charles O. Ay
County Engineer

Date Recorded 9-5-2017 Comm. Court No. 12I

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: Aracelis Willes
Deputy



**PERMIT APPLICATION REVIEW FORM FOR
CABLE, CONDUIT, AND POLE LINE ACTIVITY
IN FORT BEND COUNTY**

**Fort Bend County
Engineering Department**
301 Jackson Suite 401
Richmond, Texas 77469
281.633.7500
Permits@fortbendcountytx.gov

- Right of Way Permit
 Commercial Driveway Permit

Permit No: 2017-15332

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

(1) COMPLETE APPLICATION FORM:

- a. Name of road, street, and/or drainage ditch affected.
 b. Vicinity map showing course of directions
 c. Plans and specifications

(2) BOND:

- County Attorney, approval when applicable.
- Perpetual bond currently posted. Bond No: ██████████ Amount: \$50,000.00
- Performance bond submitted. Bond No: _____ Amount: _____
- Cashier's Check Check No: _____ Amount: _____

(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):

Drainage District Approval

Date

We have reviewed this project and agree it meets minimum requirements.

Charles O. Ay

Permit Administrator

8/14/17

Date

MCImetro
ACCESS TRANSMISSION SERVICES CORPORATION

OUTSIDE PLANT CONSTRUCTION
FIBER OPTIC CABLE ROUTE

MCI ONE-FIBER
MISSOURY CITY/SIENNA VILLAGE LATERAL
MISSOURY CITY, TX

SITE NFID: 1706ANAY.013

PROJECT STATUS: CONSTRUCTION



30" x 60" x 30" 30K STANDARD HANDHOLE DETAILS



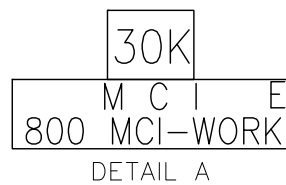
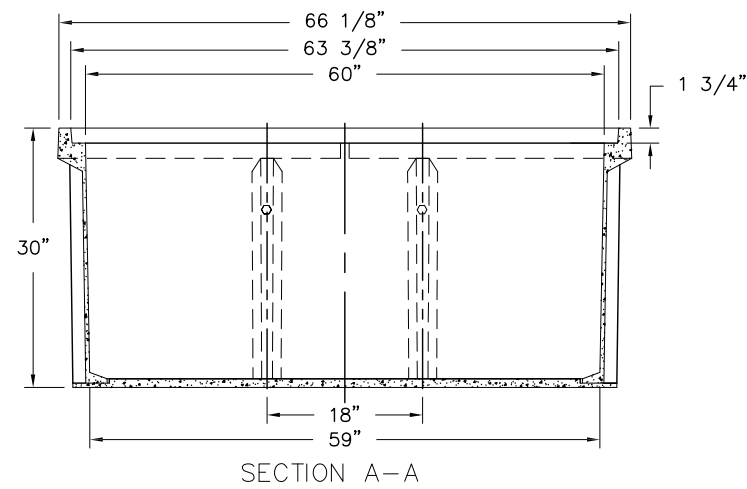
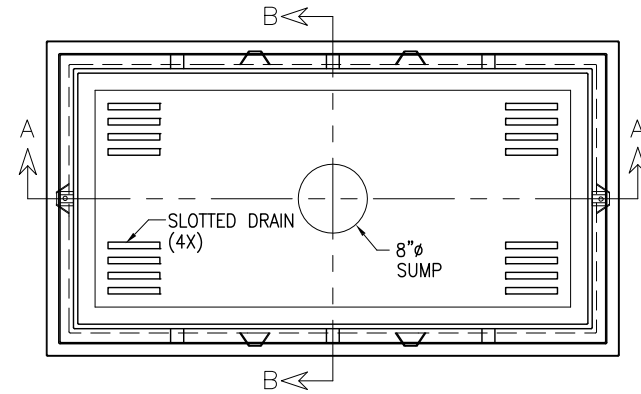
PROJECT: _____

MISSOURI CITY, TX

SIENNA VILLAGE/MISSOURI CITY LATERAL

DETAIL "A"

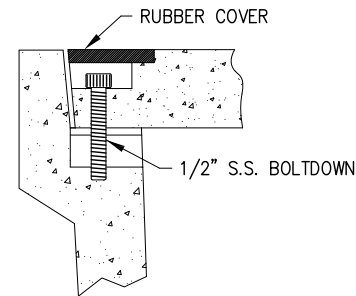
LOCKING DEVICE
CROSS SECTION



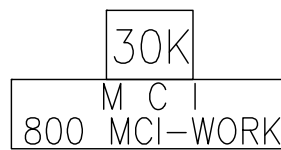
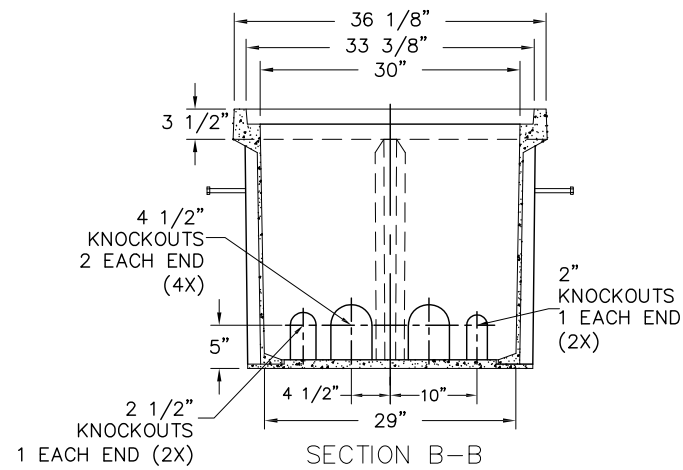
DETAIL A

DETAIL "B"

FLUSH MOUNT
COVER DETAIL



FLUSH MOUNT COVER DETAIL



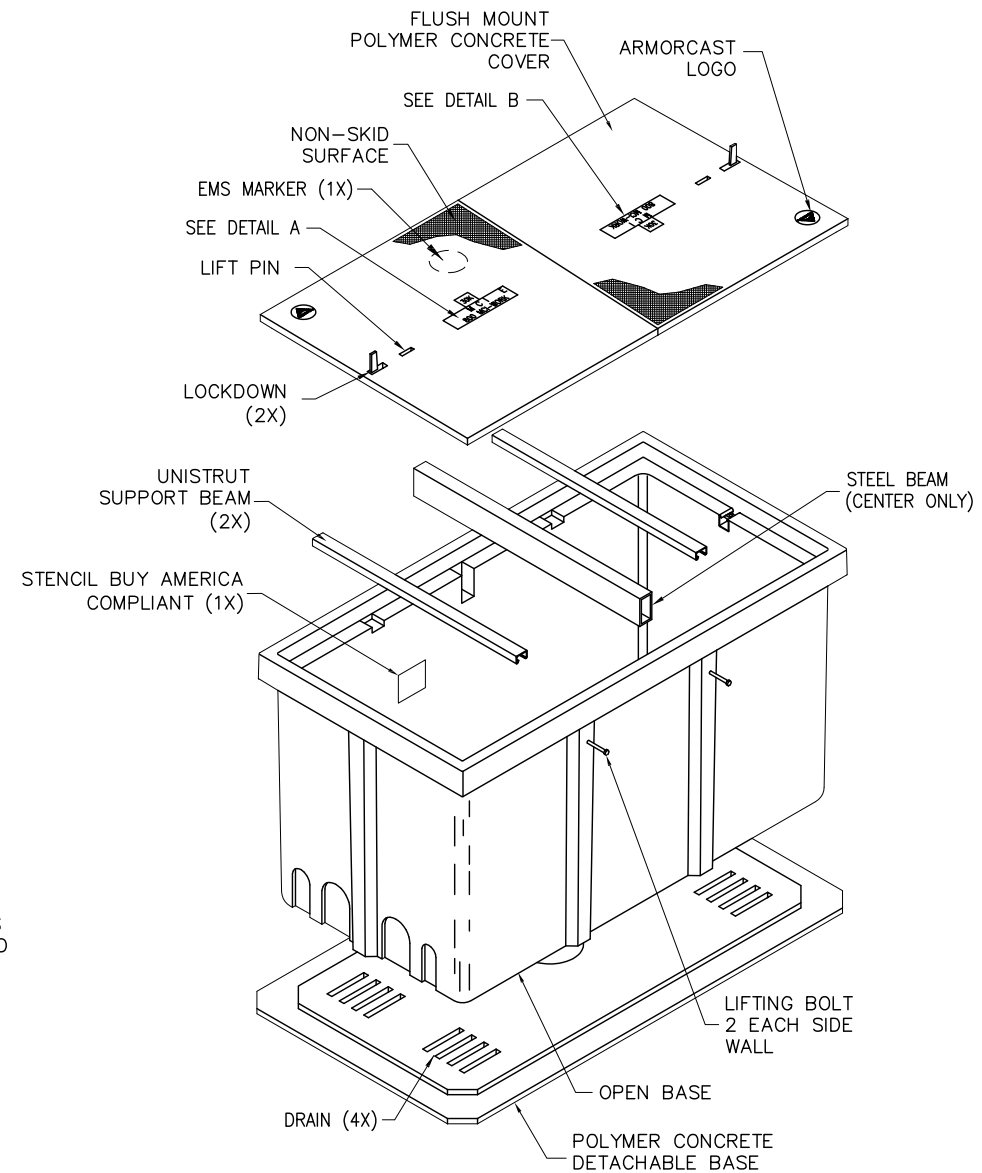
DETAIL B

SEALED PLASTIC BAG PLACED INSIDE VAULT TO CONTAIN

ITEM	QTY	DESCRIPTION
1	(1)	JOHNNY LOCK KEY
2	(2)	S.S. JOHNNY BOLTS W/FLAT WASHER.
3		SHRINK WRAP COVERS TO FRAME FOR PACKAGING.

DETAIL "C"

EXPLODED ISOMETRIC DETAIL



30K STANDARD HANDHOLE
30"x60"x30" POLYMER CONCRETE FLUSH MOUNT ASSEMBLY
MEETS SCTE/ANSI 77-TIER 22 LOADING CRITERIA
ADDITIONAL REQUIREMENTS:
DESIGNED LOAD: 30,000 LBS
MINIMUM FAILURE LOAD: 45,000 LBS

MCI metro
 ACCESS TRANSMISSION SERVICES CORPORATION
 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC ROUTE
 SIENNA VILLAGE/MISSOURI CITY LATERAL
 MISSOURI CITY, TX

DATE: 07-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

No.	DATE	DESCRIPTION	BY

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SCALE

HORIZONTAL: 1"= N/A

VERTICAL: 1"= N/A

MP _____ TO MP _____

SHEET 07 OF 24

FILE: SIENNA VILLAGE.DWG

TRAFFIC CONTROL PLAN DETAILS



PROJECT: _____

MISSOURI CITY, TX

SIENNA VILLAGE/MISSOURI CITY LATERAL

TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY ENGINEER

ROADWAY	POSTED SPEED	TAPER LENGTH	SPACING CHANNELIZING DEVICES		SIGN SPACING	BUFFER SPACE
			TAPER	TANGENT		
WEST LAKE HOUSTON PKWY.: WILL CLAYTON PKWY. TO UPRR	45 MPH	540'	45'	90'	320'	195'

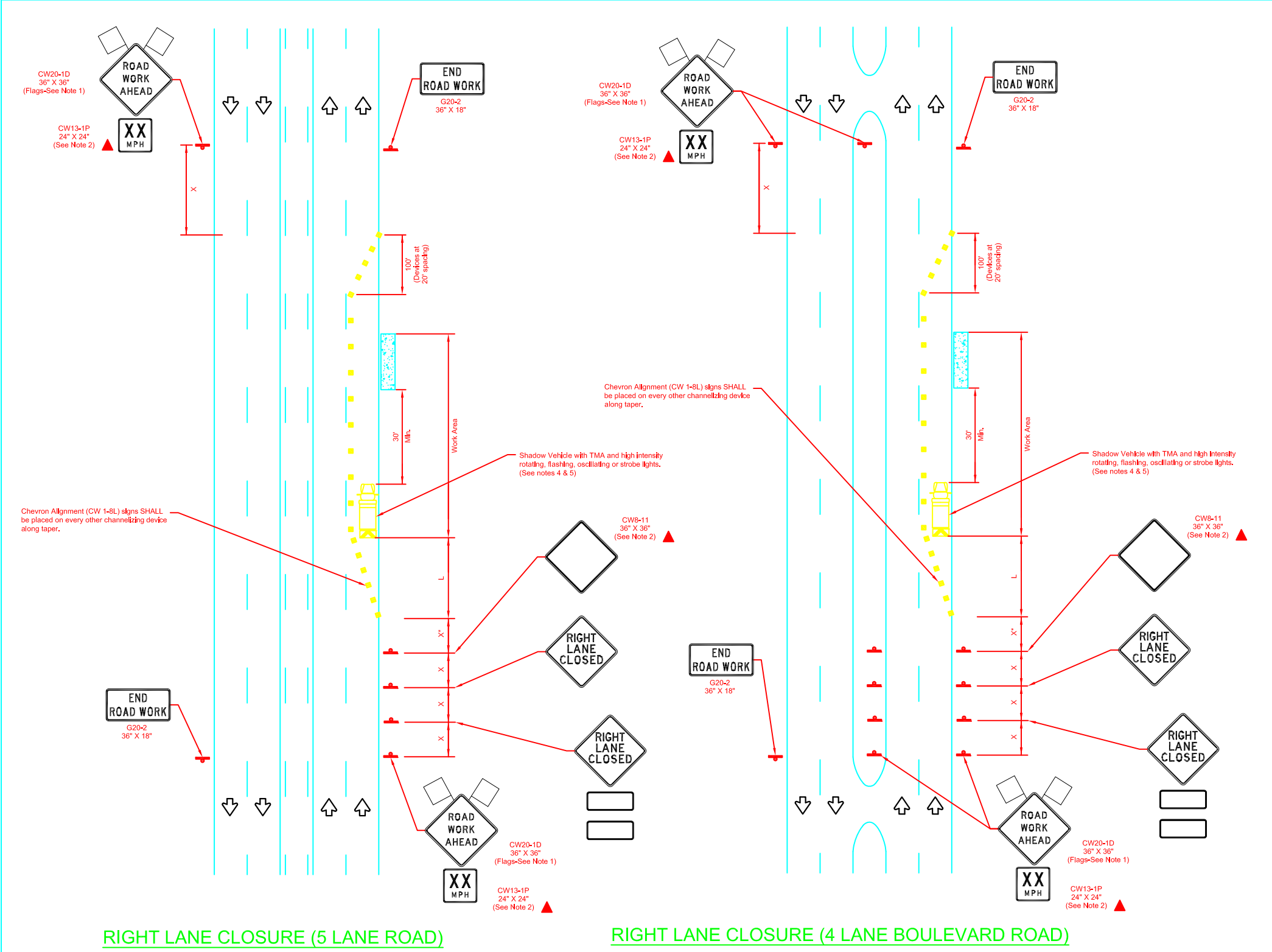
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed	Formula	Minimum Desirable Taper Lengths "L"			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X"	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	L = WS ² / 60	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40	L = WS	265'	295'	320'	40'	80'	240'	155'
45		450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55	L = WS	550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70	L = WS	700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

Conventional Roads Only
Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

GENERAL NOTES

- Flags attached to signs where shown are OPTIONAL.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol are OPTIONAL.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- Contractor shall provide and install traffic control devices in conformance with part VI of Texas Manual on Uniform Traffic Control Devices (TMUTCD) - Latest edition with revisions during construction.
- No lanes shall be blocked from 7am to 9am and 4pm to 6:30pm Monday thru Friday.
- Off duty police officers/flaggers are required to direct traffic when applicable.
- If project is within 400 feet from a signalized intersection, the Contractor shall contact Harris County Engineering Department, Traffic Signal Maintenance at (713) 881-3210 five (5) days prior to the start of construction.



RIGHT LANE CLOSURE (5 LANE ROAD)

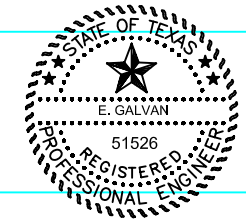
RIGHT LANE CLOSURE (4 LANE BOULEVARD ROAD)

NO.	REVISIONS	DATE	NAME
1	UPDATED DEPARTMENT NAME & GENERAL NOTES	4/16/15	BSH

HARRIS COUNTY ENGINEERING DEPARTMENT



TEO, LLC
5510 Community DRIVE
Houston, Texas
77005
281-536-5123 OFFICE
713-668-6334 FAX
teolc@gmail.com
FIRM # F-8978



PROJECT TITLE:		HCED STANDARD
DRAWN BY:		SHEET NO:
CK'D BY:	SHEET DESCRIPTION:	
SCALE:		
DATE:	APPROVED BY:	

DATE: 07-25-2017

ENGINEER: EAGLE EYE

DRAWN BY: ROBERT SANTOS

REVISIONS

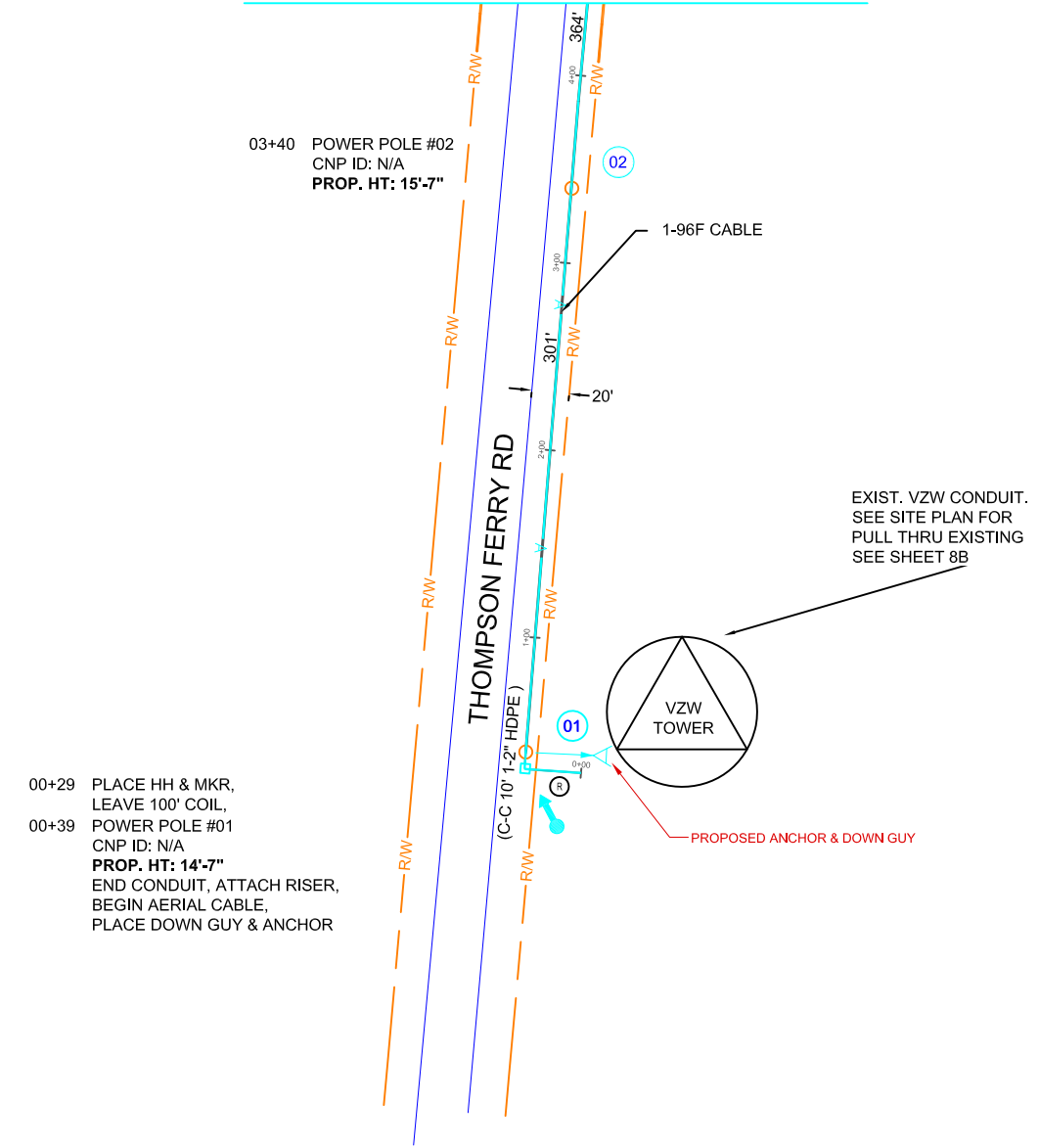
No.	DATE	DESCRIPTION	BY

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SCALE
HORIZONTAL: 1"= N/A
VERTICAL: 1"= N/A
MP _____ TO MP _____
SHEET 08 OF 24
FILE: SIENNA VILLAGE.DWG

MISSOURY CITY, TX
FORT BEND COUNTY

SEE SHEET 10 TO MATCH SURVEY STA. 04+38



00+29 PLACE HH & MKR,
LEAVE 100' COIL,
00+39 POWER POLE #01
CNP ID: N/A
PROP. HT: 14'-7"
END CONDUIT, ATTACH RISER,
BEGIN AERIAL CABLE,
PLACE DOWN GUY & ANCHOR

03+40 POWER POLE #02
CNP ID: N/A
PROP. HT: 15'-7"

EXIST. VZW CONDUIT.
SEE SITE PLAN FOR
PULL THRU EXISTING
SEE SHEET 8B

NORTH  

PROJECT:
MISSOURY CITY, TX
MISSOURY CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PULL 1-96F CABLE	139'
PLACE HANDHOLE	1
PROP. 1-2" HDPE	16'
PLACE MARKER	1

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
SIENNA VILLAGE/MISSOURY CITY LATERAL
MISSOURY CITY, TX

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE
HORIZONTAL:
VERTICAL:
MP _____ TO MP _____
SHEET 09 **OF** 24
FILE: ECC-MISSOURY CITY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY _____. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.

!!! CAUTION !!!
PIPELINE SERVICE LINES
THRU THIS AREA HAVE NOT BEEN
IDENTIFIED NOR INDICATED.

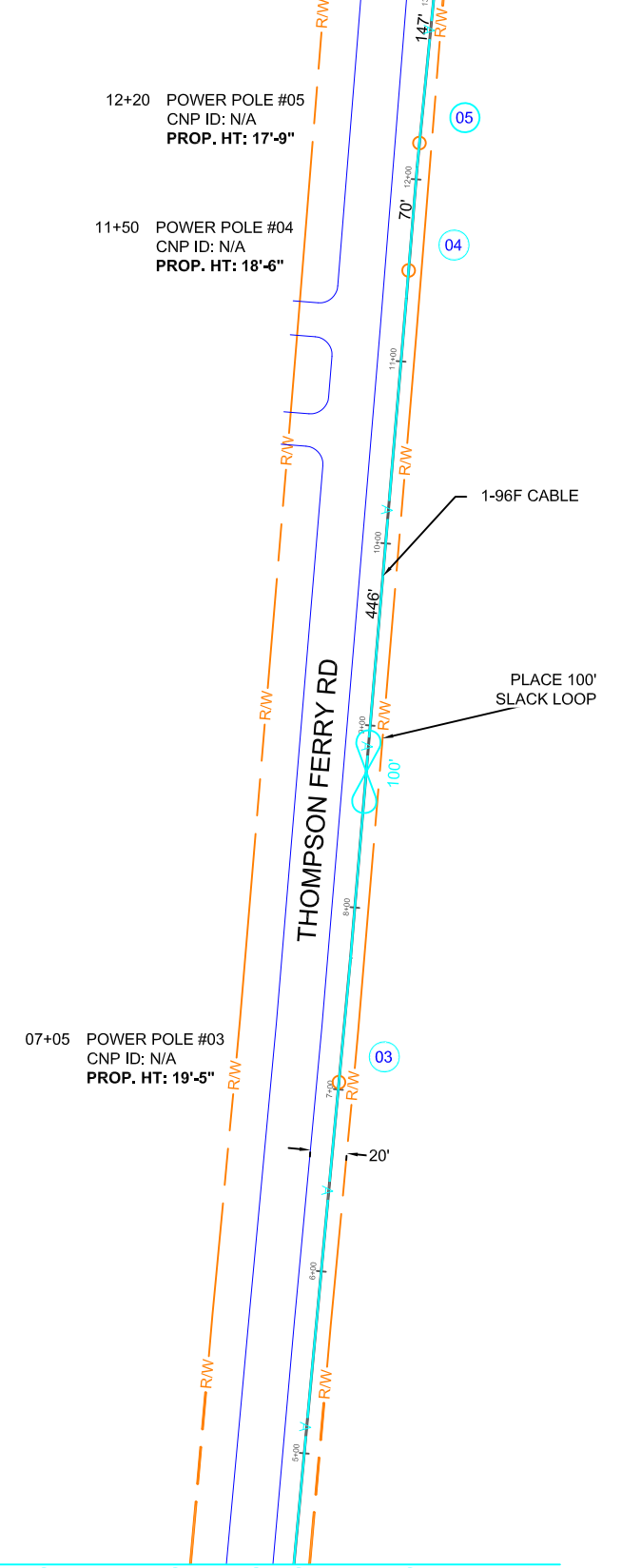


CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

MISSOURI CITY, TX
FORT BEND COUNTY



SEE SHEET 11 TO MATCH SURVEY STA. 13+01



SEE SHEET 9 TO MATCH SURVEY STA. 04+38

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PROJECT:
MISSOURI CITY, TX
MISSOURI CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE 6.6M STRAND	N/A
LASH 1-96F CABLE	N/A

MCI metro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
SIENNA VILLAGE/MISSOURI CITY LATERAL
MISSOURI CITY, TX

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

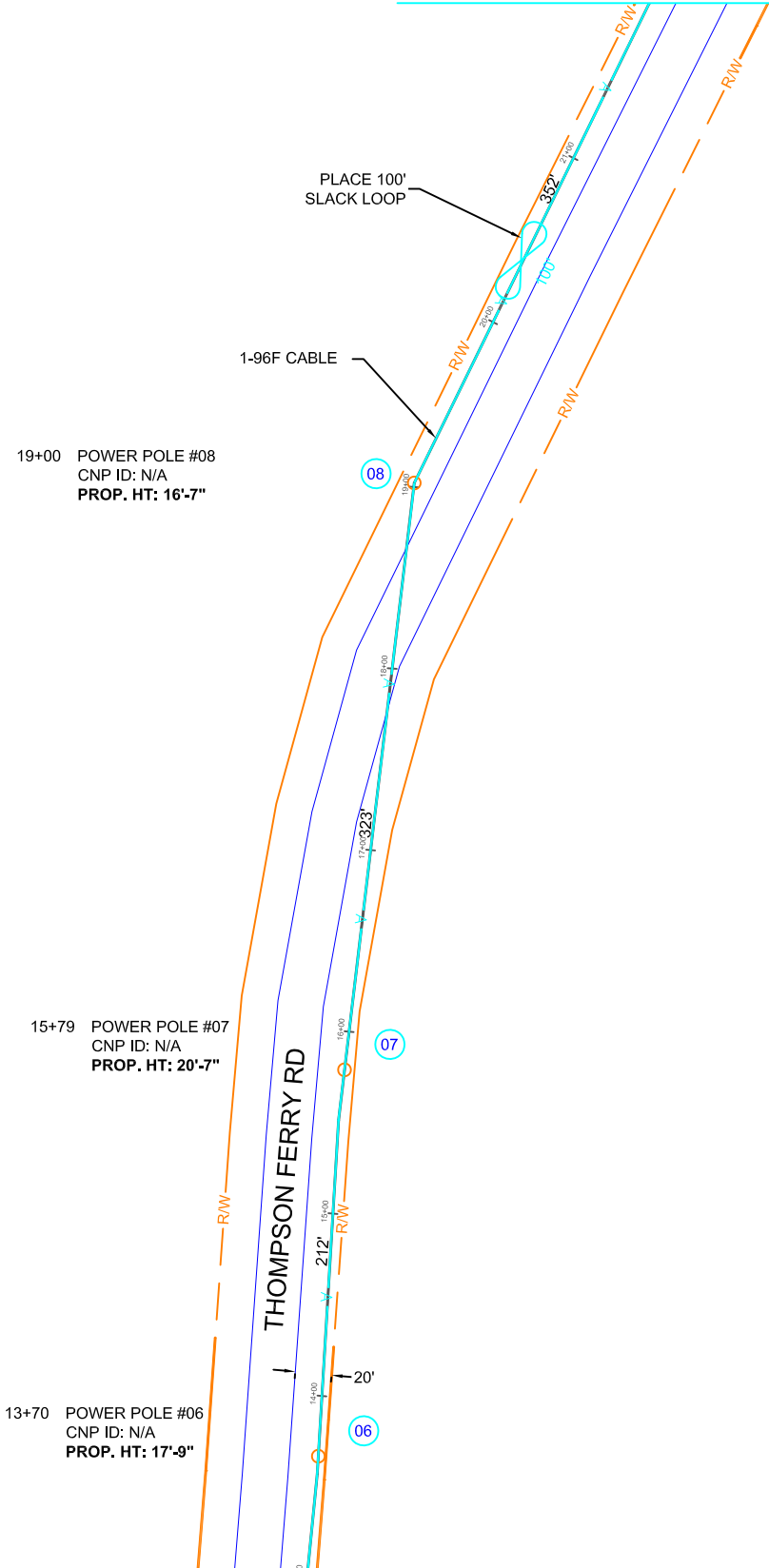
REVISIONS		
No.	DATE	DESCRIPTION

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SCALE
HORIZONTAL:
VERTICAL:
MP _____ TO MP _____
SHEET 10 **OF** 24
FILE: ECC-MISSOURI CITY

MISSOURI CITY, TX
FORT BEND COUNTY

SEE SHEET 12 TO MATCH SURVEY STA. 21+94



SEE SHEET 10 TO MATCH SURVEY STA. 13+01

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

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PROJECT:
MISSOURI CITY, TX
MISSOURI CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE 6.6M STRAND	N/A
LASH 1-96F CABLE	N/A

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
SIENNA VILLAGE/MISSOURI CITY LATERAL
MISSOURI CITY, TX

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

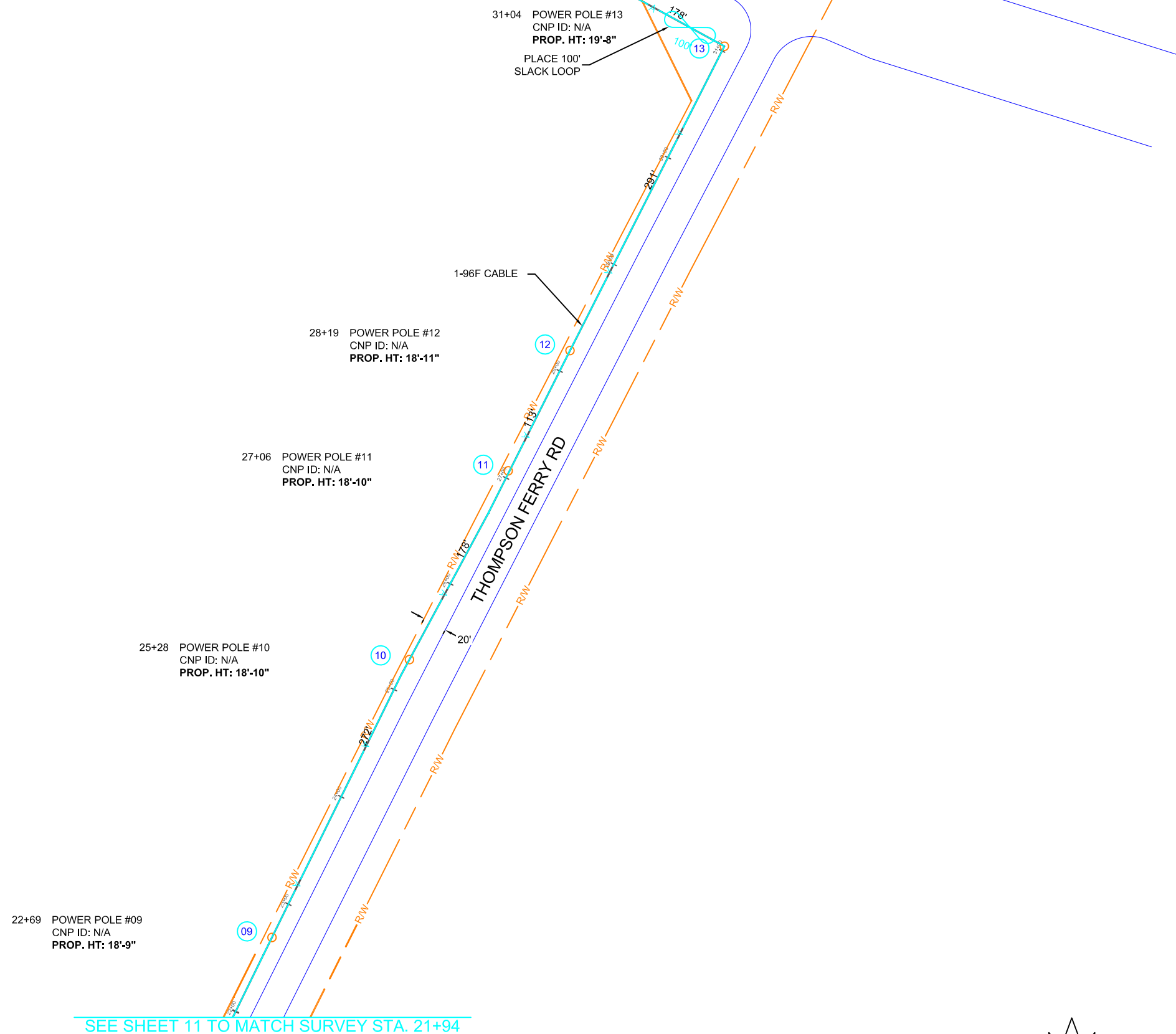
REVISIONS		
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SCALE
HORIZONTAL:
VERTICAL:
MP _____ TO MP _____
SHEET 11 **OF** 24
FILE: ECC-MISSOURI CITY

MISSOURI CITY, TX
FORT BEND COUNTY

SEE SHEET 13 TO MATCH SURVEY STA. 32+03



SEE SHEET 11 TO MATCH SURVEY STA. 21+94

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NORTH

PROJECT:
MISSOURI CITY, TX
MISSOURI CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE 6.6M STRAND	N/A
LASH 1-96F CABLE	N/A

MCI metro
ACCESS TRANSMISSION SERVICES
CORPORATION

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC ROUTE
SIENNA VILLAGE/MISSOURI CITY LATERAL
MISSOURI CITY, TX

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

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SCALE

HORIZONTAL:
MP _____ TO MP _____

VERTICAL:
MP _____ TO MP _____

SHEET 12 **OF** 24

FILE: ECC-MISSOURI CITY

MISSOURI CITY, TX
FORT BEND COUNTY

SEE SHEET 16 TO MATCH SURVEY STA. 63+63

62+50 PLACE HH & MKR,
LEAVE 100' COIL,

HAGERSON RD

L J PKWY

1-96F CABLE

54+47 PLACE HH & MKR,
LEAVE 100' COIL,

SEE SHEET 14 TO MATCH SURVEY STA. 54+06



PROJECT:

MISSOURI CITY, TX
MISSOURI CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE HANDHOLE	2
PROP. 1-2" HDPE	957'
PULL 1-96F CABLE	1157'
PLACE MARKER	2

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
SIENNA VILLAGE/MISSOURI CITY LATERAL
MISSOURI CITY, TX

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SCALE

HORIZONTAL:
VERTICAL:
MP _____ TO MP _____
SHEET 15 OF 24
FILE: ECC-MISSOURI CITY

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MISSOURI CITY, TX
FORT BEND COUNTY

SEE SHEET 17 TO MATCH SURVEY STA. 75+45



PROJECT:

MISSOURI CITY, TX
MISSOURI CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE HANDHOLE	2
PROP. 1-2" HDPE	1182'
PULL 1-96F CABLE	809'
PULL 1-432F CABLE	733'
PLACE MARKER	2

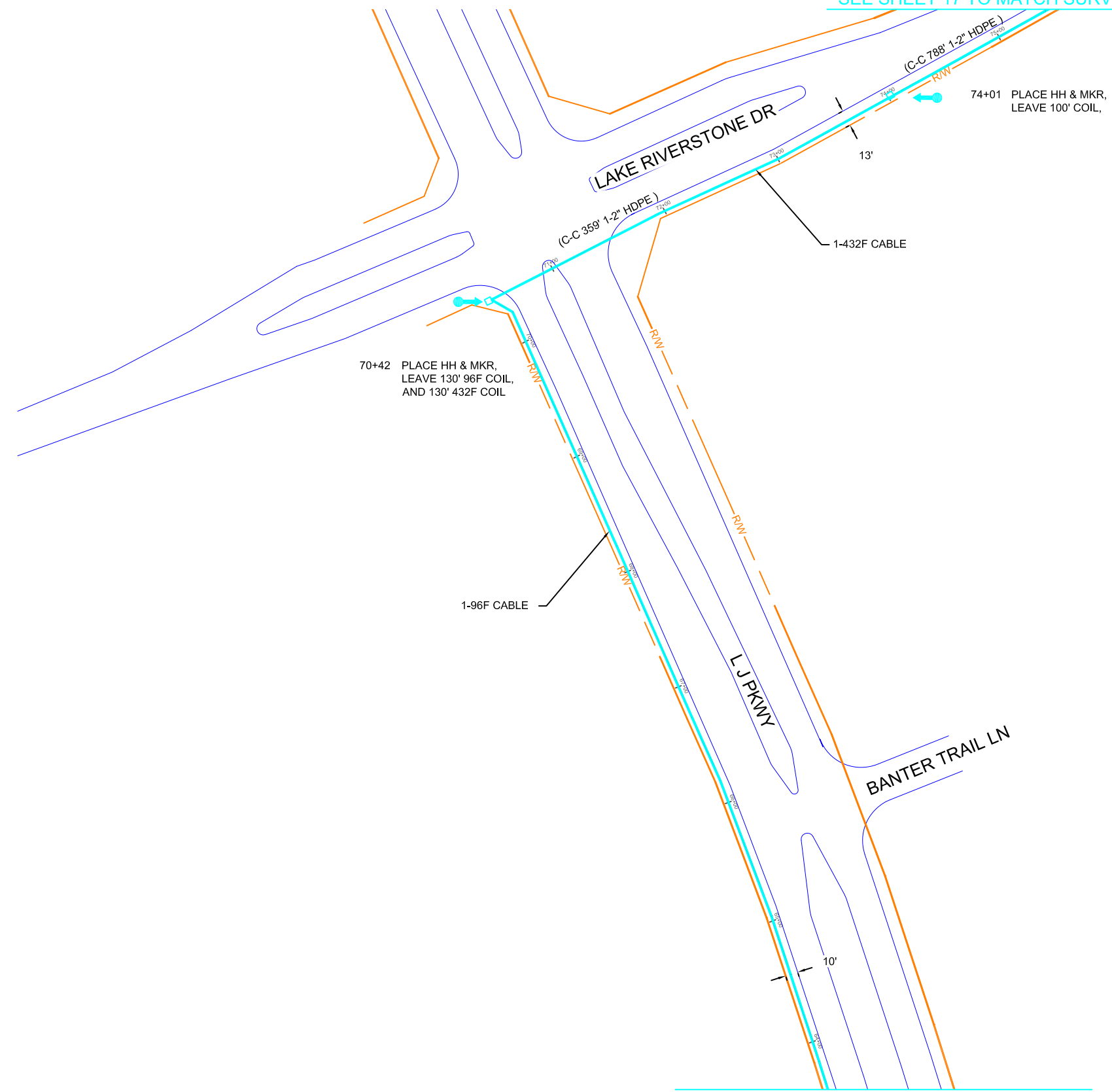
MCImetro
ACCESS TRANSMISSION SERVICES
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TITLE: FIBER OPTIC ROUTE
SIENNA VILLAGE/MISSOURI CITY LATERAL
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SCALE
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VERTICAL:
MP _____ TO MP _____
SHEET 16 OF 24
FILE: ECC-MISSOURI CITY



SEE SHEET 15 TO MATCH SURVEY STA. 63+63

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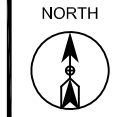
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MISSOURY CITY, TX
FORT BEND COUNTY

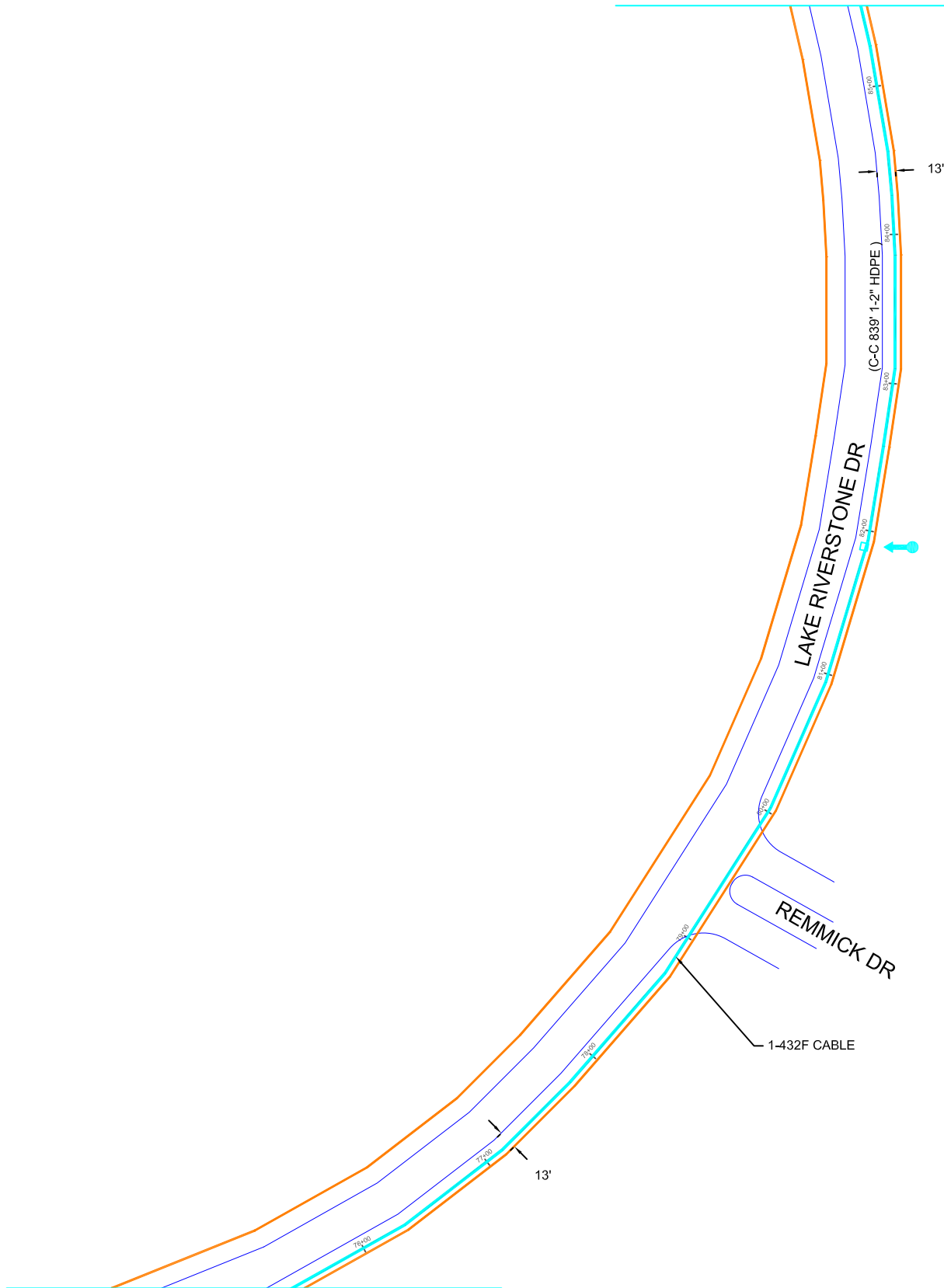
SEE SHEET 18 TO MATCH SURVEY STA. 85+55



PROJECT:

MISSOURY CITY, TX
MISSOURY CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE HANDHOLE	1
PROP. 1-2" HDPE	1010'
PULL 1-432F CABLE	1110'
PLACE MARKER	1



81+89 PLACE HH & MKR,
LEAVE 100' COIL.

SEE SHEET 16 TO MATCH SURVEY STA. 75+45

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

RIGHT OF WAY LINES WERE ESTABLISHED BY RESEARCH OF PUBLIC INFORMATION. NO BOUNDARY SURVEY OR PROPERTY LINE SURVEY WAS ESTABLISHED BY _____. RIGHT OF WAY BOUNDARY MUST BE FIELD VERIFIED BY A REGISTERED PROFESSIONAL LAND SURVEYOR TO ACCURATELY VERIFY RIGHT OF WAY AND PROPERTY LINES PRIOR TO CONSTRUCTION.

!!! CAUTION !!!
PIPELINE SERVICE LINES
THRU THIS AREA HAVE NOT BEEN
IDENTIFIED NOR INDICATED.



CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

REVISIONS

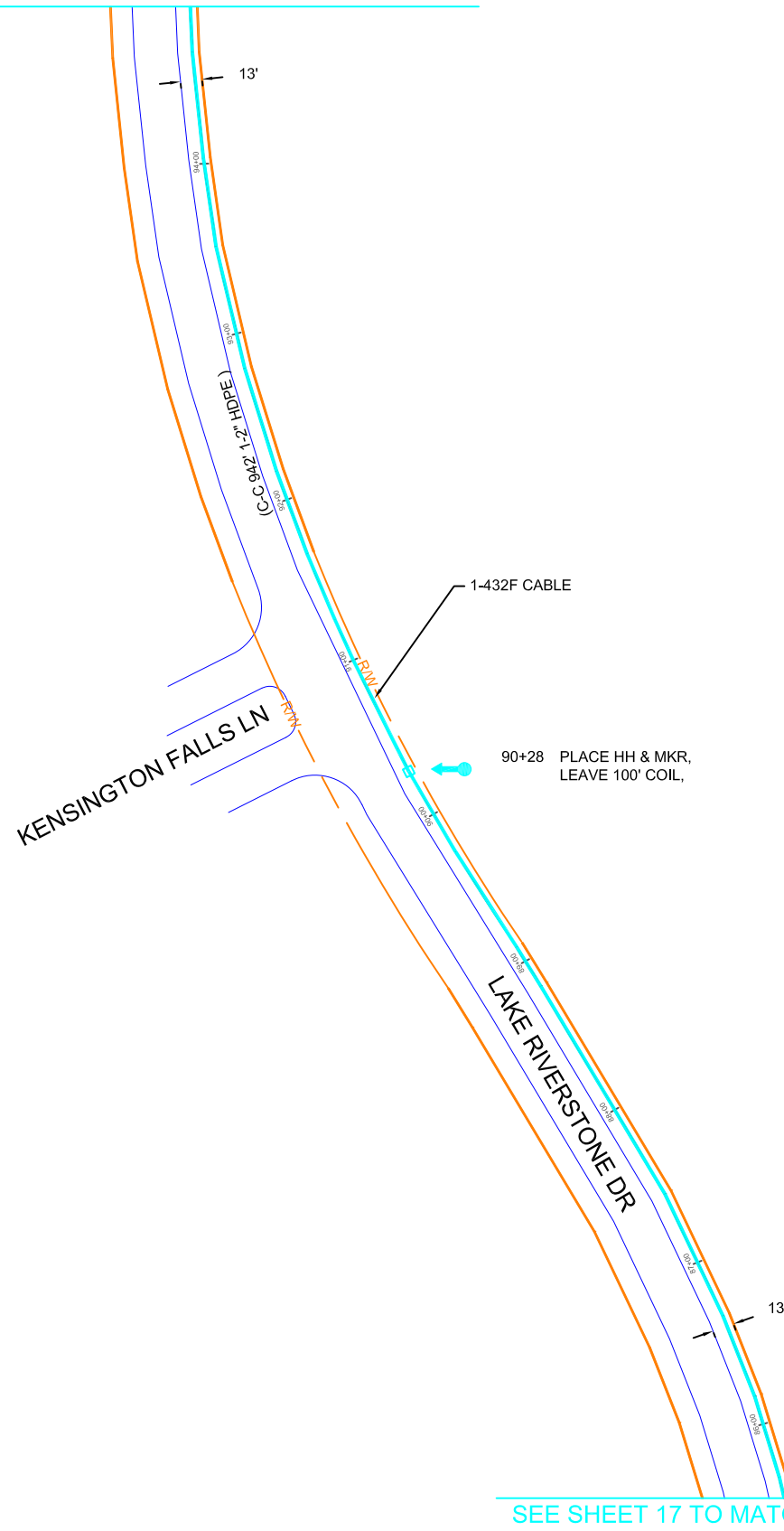
No.	DATE	DESCRIPTION

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT, THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF MCI COMMUNICATIONS SERVICES INC. BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE
HORIZONTAL:
VERTICAL:
MP _____ TO MP _____
SHEET 17 OF 24
FILE: ECC-MISSOURY CITY

MISSOURI CITY, TX
FORT BEND COUNTY

SEE SHEET 19 TO MATCH SURVEY STA. 94+90



SEE SHEET 17 TO MATCH SURVEY STA. 85+55

NORTH  

PROJECT:
MISSOURI CITY, TX
MISSOURI CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE HANDHOLE	1
PROP. 1-2" HDPE	935'
PULL 1-432F CABLE	1035'
PLACE MARKER	1

MCI metro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
SIENNA VILLAGE/MISSOURI CITY LATERAL
MISSOURI CITY, TX

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

REVISIONS

No.	DATE	DESCRIPTION

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SCALE
HORIZONTAL:
VERTICAL:
MP _____ TO MP _____
SHEET 18 **OF** 24
FILE: ECC-MISSOURI CITY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

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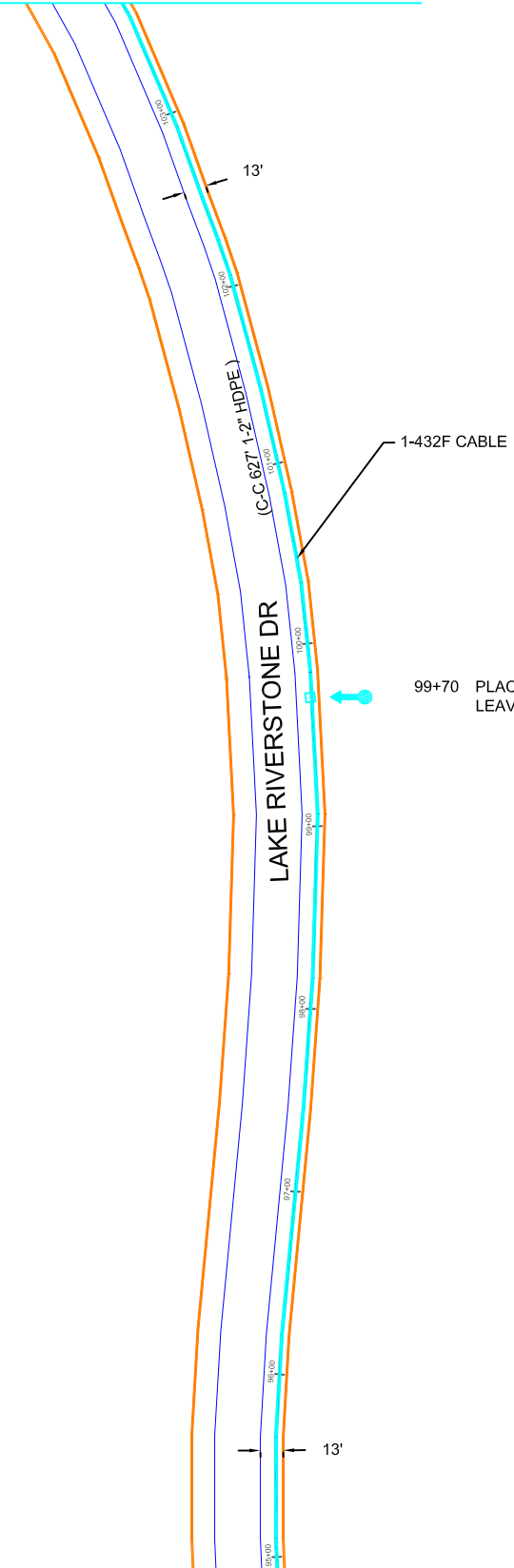


CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

MISSOURY CITY, TX
FORT BEND COUNTY

SEE SHEET 18 TO MATCH SURVEY STA. 103+65

SEE SHEET 18 TO MATCH SURVEY STA. 94+90



NORTH

PROJECT:
MISSOURY CITY, TX
MISSOURY CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE HANDHOLE	1
PROP. 1-2" HDPE	875'
PULL 1-432F CABLE	975'
PLACE MARKER	1

MCImetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
SIENNA VILLAGE/MISSOURY CITY LATERAL
MISSOURY CITY, TX

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE
HORIZONTAL:
VERTICAL:
MP _____ TO MP _____
SHEET 19 OF 24
FILE: ECC-MISSOURY CITY

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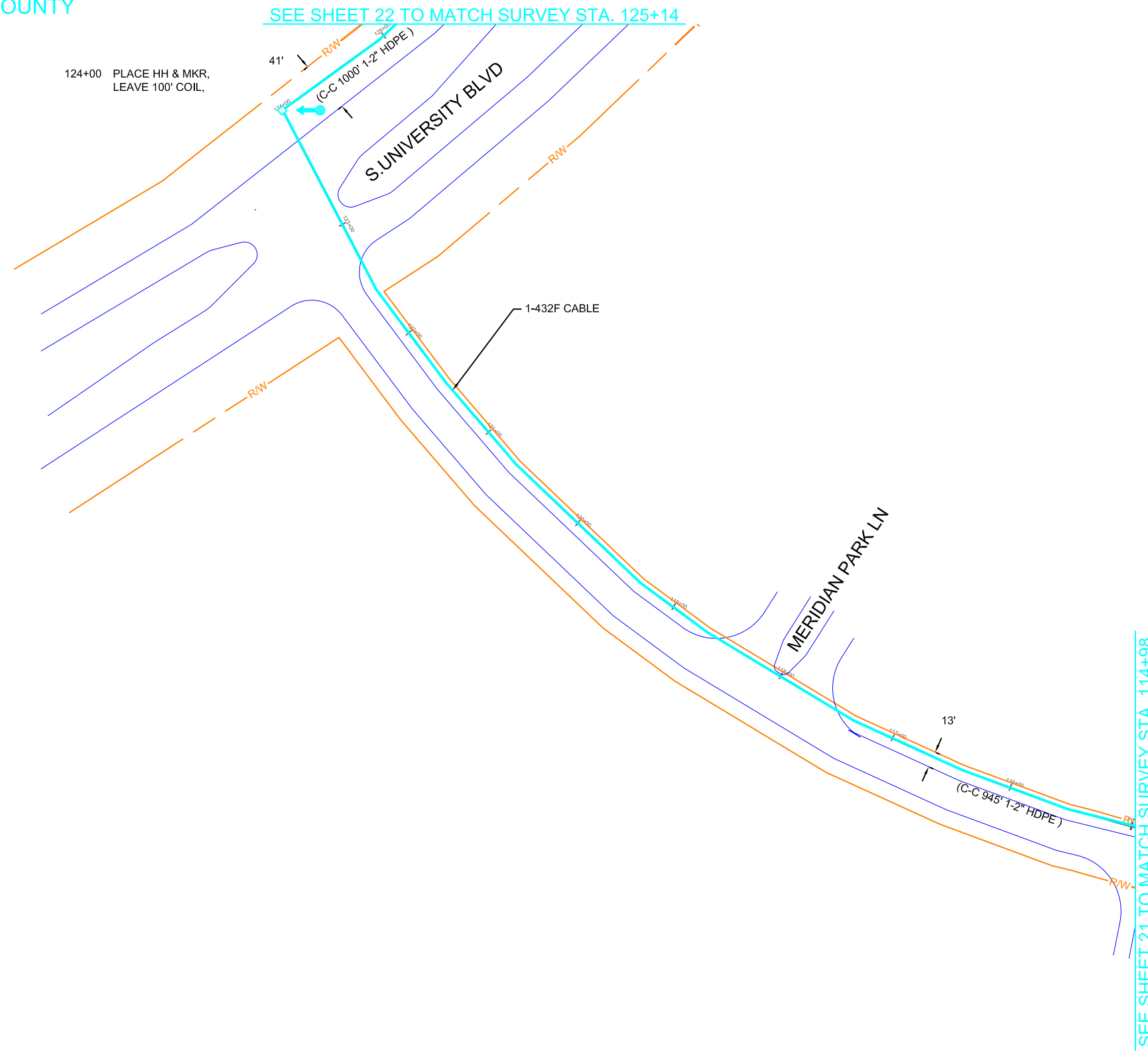
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48 HOURS NOTICE REQUIRED

MISSOURI CITY, TX
FORT BEND COUNTY



PROJECT: MISSOURI CITY, TX
MISSOURI CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE HANDHOLE	1
PROP. 1-2" HDPE	1016'
PULL 1-432F CABLE	1116'
PLACE MARKER	1

MCImetro
ACCESS TRANSMISSION SERVICES CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE
SIENNA VILLAGE/MISSOURI CITY LATERAL
MISSOURI CITY, TX

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE
HORIZONTAL:
VERTICAL:
MP _____ TO MP _____
SHEET 21 OF 24
FILE: ECC-MISSOURI CITY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

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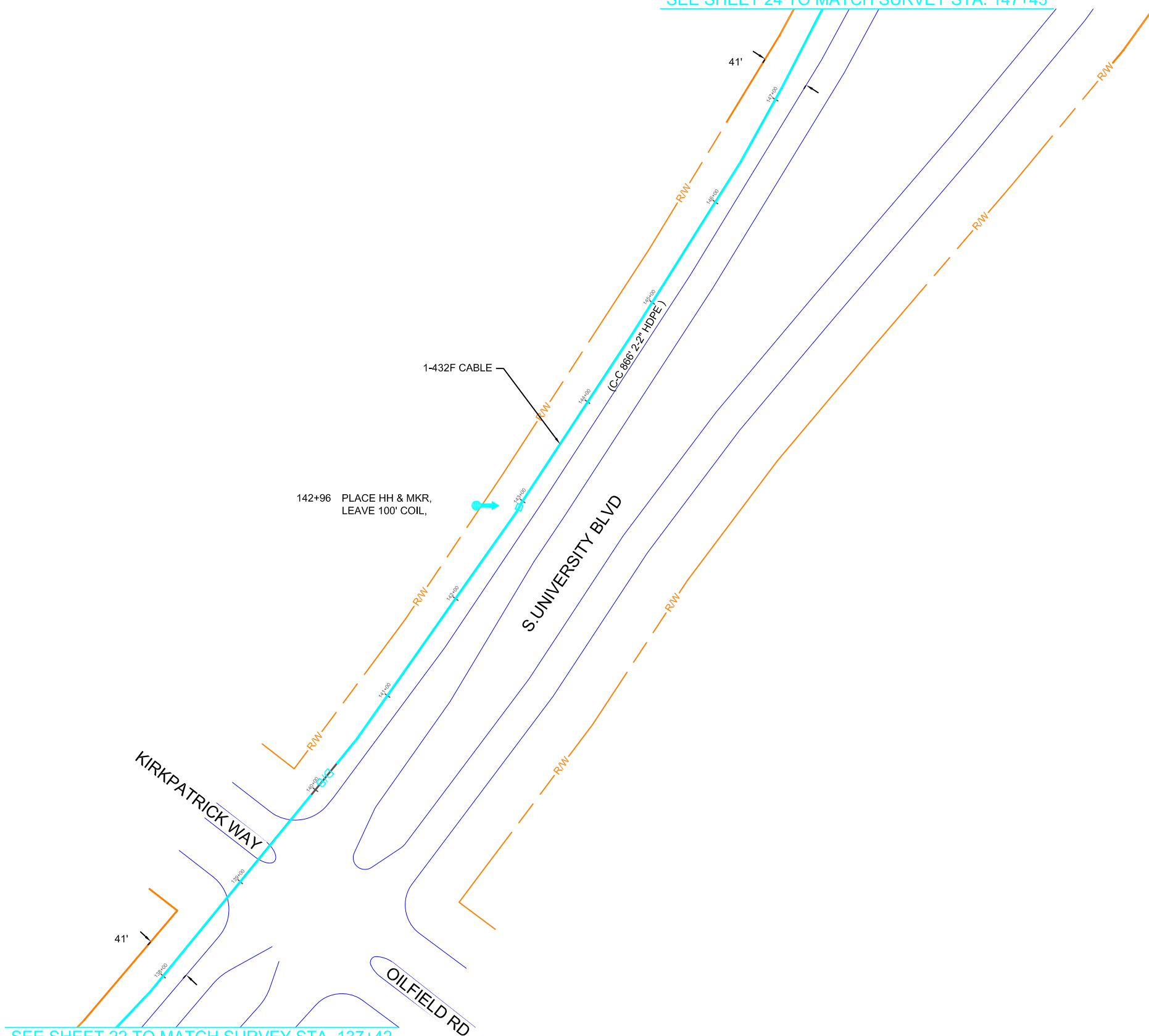


CALL BEFORE YOU DIG
1-800-545-6005
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MISSOURI CITY, TX
FORT BEND COUNTY

SEE SHEET 24 TO MATCH SURVEY STA. 147+43

SEE SHEET 22 TO MATCH SURVEY STA. 137+42



PROJECT: MISSOURI CITY, TX
MISSOURI CITY/SIENNA VILLAGE LATERAL

CLARIFICATION NO.	
PLACE HANDHOLE	1
PROP. 2-2" HDPE	1001'
PULL 1-432F CABLE	1101'
PLACE MARKER	1

MCImetro
ACCESS TRANSMISSION SERVICES
CORPORATION
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC ROUTE

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

REVISIONS		
No.	DATE	DESCRIPTION

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SCALE
HORIZONTAL:
VERTICAL:
MP _____ TO MP _____
SHEET 23 OF 24
FILE: ECC-MISSOURI CITY

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE RECORDS AND FIELD OBSERVATIONS BUT ARE NOT NECESSARILY EXACT. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND OBSTRUCTIONS AND UTILITIES PRIOR TO CONSTRUCTION. COMPLETE REPAIR OF ANY AND ALL DAMAGES INCURRED SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

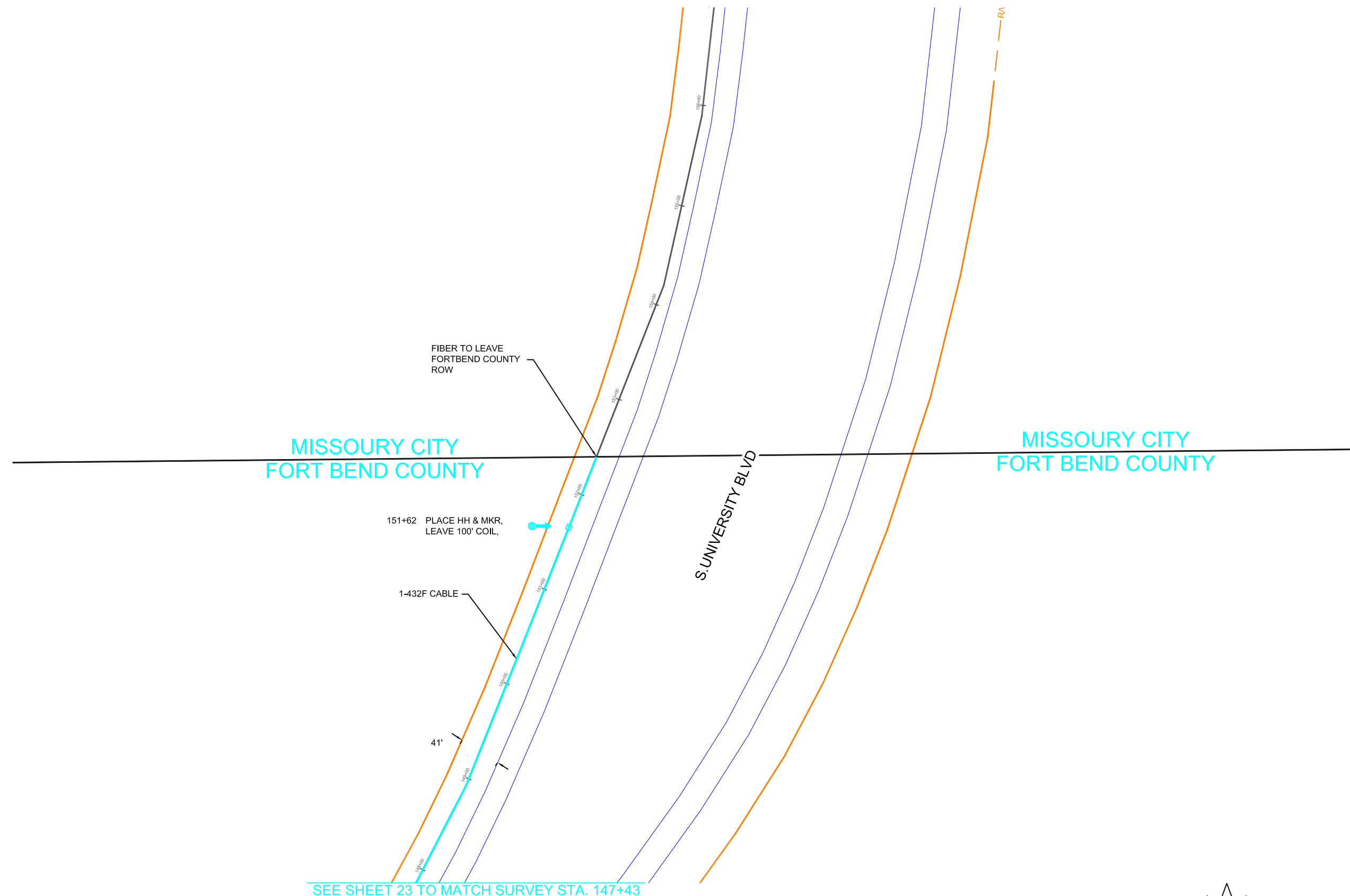
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CALL BEFORE YOU DIG
1-800-545-6005
48 HOURS NOTICE REQUIRED

MISSOURI CITY, TX
FORT BEND COUNTY



PROJECT:
MISSOURI CITY, TX
MISSOURI CITY/SIENNA VILLAGE LATERAL
FORTBEND COUNTY

CLARIFICATION NO.	
PLACE HANDHOLE	1
PROP. 1-2" HDPE	497'
PULL 1-432F CABLE	597'
PLACE MARKER	1
MISSOURI CITY	
CLARIFICATION NO.	
PLACE HANDHOLE	N/A
PROP. 1-2" HDPE	N/A
PULL 1-432F CABLE	N/A
PLACE MARKER	N/A

TOTALS

PLACE HANDHOLE	1
PROP. 1-2" HDPE	497'
PULL 1-432F CABLE	597'
PLACE MARKER	1

MCImetro
 ACCESS TRANSMISSION SERVICES CORPORATION
 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC ROUTE
 SIENNA VILLAGE/MISSOURI CITY LATERAL
 MISSOURI CITY, TX

DATE: 07-25-2017
ENGINEER: EAGLE EYE
DRAWN BY: ROBERT SANTOS

REVISIONS

No.	DATE	DESCRIPTION

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SCALE

HORIZONTAL:

VERTICAL:

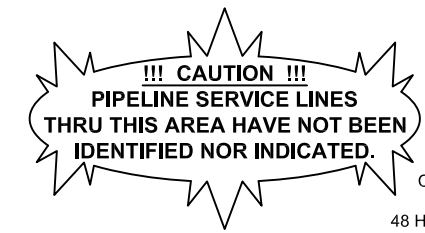
MP _____ TO MP _____

SHEET 24 **OF** 24

FILE: ECC-MISSOURI CITY

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CALL BEFORE YOU DIG
 1-800-545-6005
 48 HOURS NOTICE REQUIRED

Velasquez, Courtney

From: Edgar Santos <eagleeyepandd@gmail.com>
Sent: Tuesday, August 08, 2017 2:09 PM
To: Velasquez, Courtney
Cc: Mallamace, AJ; Warren Hardy
Subject: Re: FW: Permit 2017-15332 - LJ Parkway

Good afternoon,

Will an E-mail do from us that we understand Thompson Ferry Road is not getting permitted form FBC. In that section of the project we are getting CPE permits to attach to their poles. No underground permit is needed there.

Edgar Santos

Eagle Eye Permitting & Design, LLC

3622 Rowlock Vine Dr

Houston TX 77084

Cell(832) 782-2136

On Tue, Aug 8, 2017 at 1:27 PM, Velasquez, Courtney <Courtney.Velasquez@fortbendcountytexas.gov> wrote:

Thank you. Just in case the attachments did not make it to all the individuals, I have included the 2 example maps that were on the original email.

Courtney Velasquez

Clerk III

Fort Bend County Engineering

301 Jackson St., Suite 401 | Richmond, TX 77469

Email: Courtney.Velasquez@fortbendcountytexas.gov

Phone: [281-633-7516](tel:281-633-7516)

From: Mallamace, AJ [mailto:aurelio.mallamace@ervincable.com]
Sent: Tuesday, August 08, 2017 12:54 PM
To: Velasquez, Courtney; Warren Hardy; Edgar Santos
Subject: Re: FW: Permit 2017-15332 - LJ Parkway

+Warren Hardy

I have added in the individuals that should be included on this correspondence.

On Tue, Aug 8, 2017 at 11:41 AM, Velasquez, Courtney <Courtney.Velasquez@fortbendcountytexas.gov> wrote:

The email below was returned as undeliverable. Please let me know if I have reached the correct person in reference to this Permit.

From: Velasquez, Courtney
Sent: Tuesday, August 08, 2017 11:10 AM
To: 'edgarsantos@standadtel.net'
Cc: Garza, Casandra
Subject: Permit 2017-15332 - LJ Parkway

Mr. Santos,

We have some questions on the above referenced Permit you have requested. There is a portion on your map that is not FBC maintained roads. I have attached 2 maps to indicate the area we are referring to. We can only approve the portion owned/maintained by FBC.

You can either redo your map excluding Thompson Ferry Road or send us something in writing acknowledging that you understand we are only approving the FBC portion of the map and that your office will obtain approval from the owner before proceeding with any work in that location.

The only other request on this is that you coordinate with any existing utilities in the area.

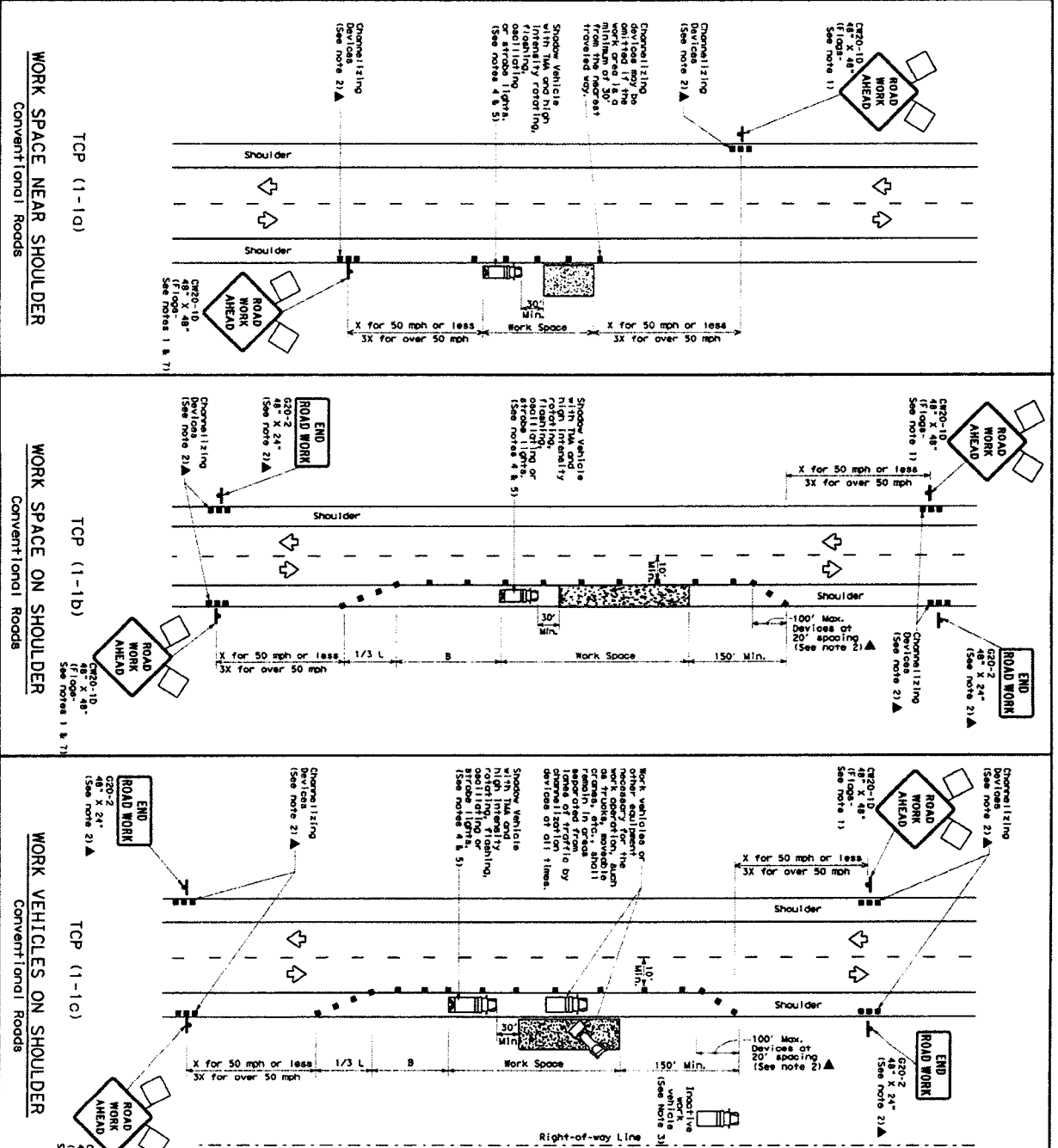


LJ Hwy
↓

(The Green indicates FPBC Maintained Road.)

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: _____
FILE: _____



LEGEND

	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Flagger
	Trailer Mounted Flagger Arrow Board		Traffic Flow
	Sign		Flagger

GENERAL NOTES

- Flagger stationed to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those shown with the traffic speed may be omitted when stated otherwise.
- Flagger, or other authorized personnel, when approved by the Engineer.
- Inactive work vehicle or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- Shovel vehicle with a tank should be used only if it can be positioned offering the performance or quality of the work. If the shovel is longer present but road or work conditions require the traffic control to remain in place, Type 3 barricades or other channelizing devices may be substituted for the shovel vehicle and tank load off the speed area, next to those shown in order to protect wider work areas.
- See T2P(5-11) for shoulder work on divided highways, expressways and freeways.
- Flagger, or other authorized personnel, should be used in place of C820-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

TYPICAL USAGE

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

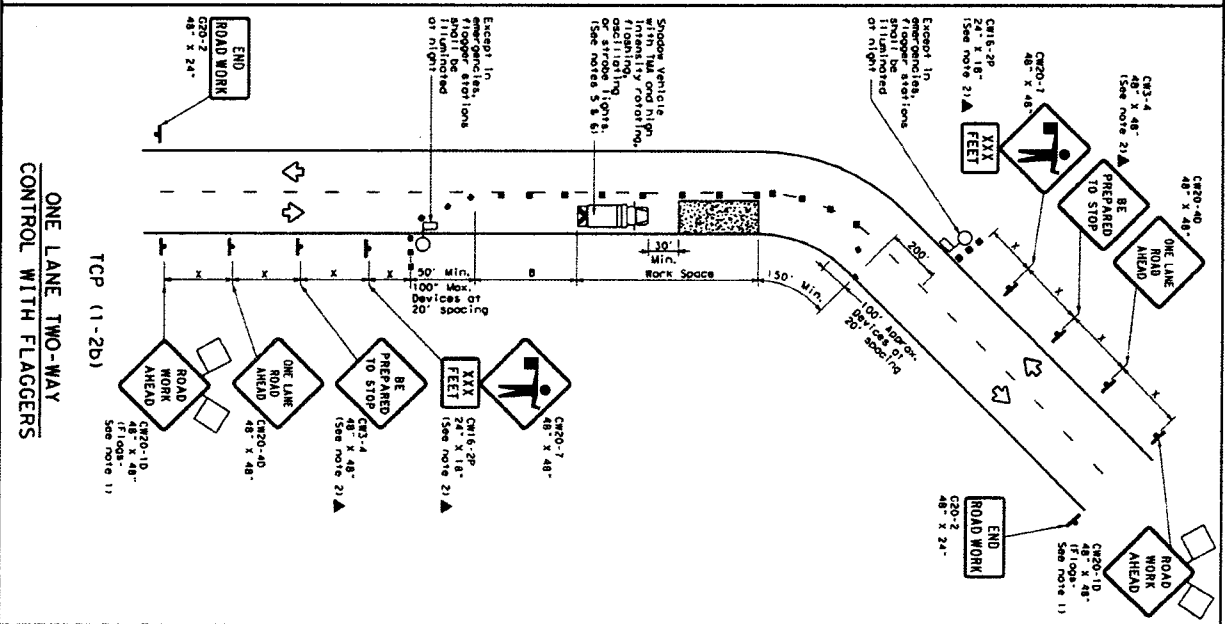
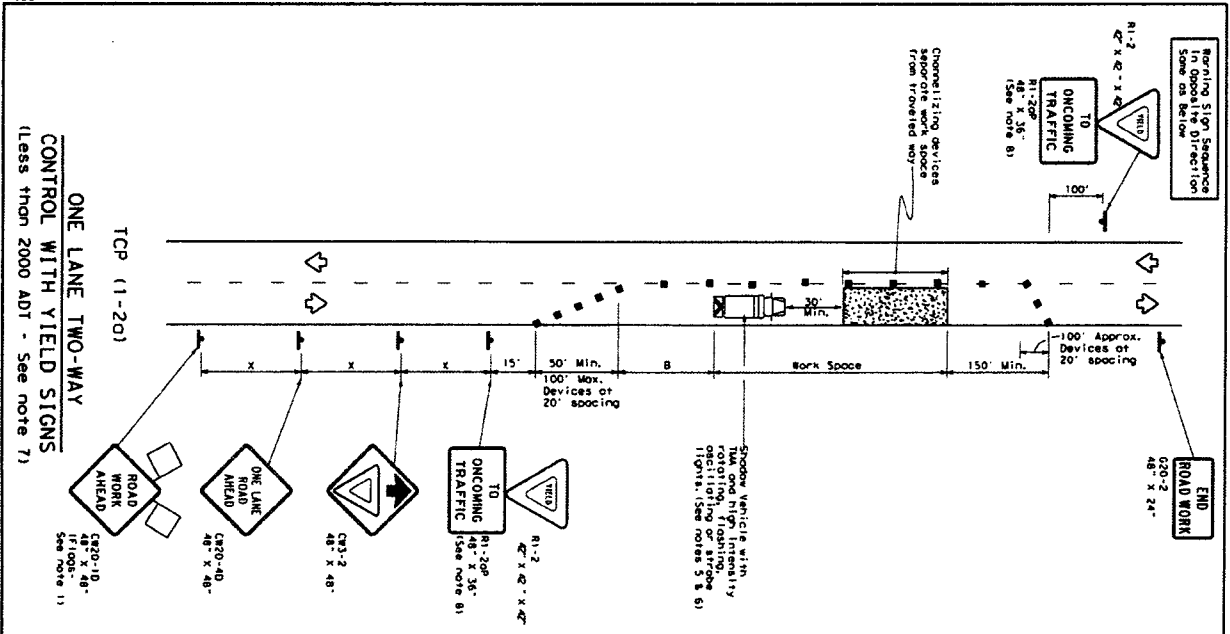
TABLE 1

Posted Speed Limit (mph)	Minimum Traffic Volume (ADT)	Minimum Length of Traffic Control Device (ft)	Minimum Length of Traffic Control Device (ft)	Minimum Length of Traffic Control Device (ft)	Minimum Length of Traffic Control Device (ft)
30	150	150	150	150	150
35	200	200	200	200	200
40	250	250	250	250	250
45	300	300	300	300	300
50	350	350	350	350	350
55	400	400	400	400	400
60	450	450	450	450	450
65	500	500	500	500	500
70	550	550	550	550	550
75	600	600	600	600	600

* Conventional Roads Only
* Topor lengths have been rounded off.
L=Length of Topor (FT); W=Width of Offset (FT); S=Posted Speed (MPH)

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DATE: _____
FILE: _____



GENERAL NOTES

- Flas attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol, which are OPTIONAL.
- The spacing between signs governed by the Engineer should follow the C20-10-ONE LANE ROAD AHEAD sign, but proper sign spacing shall be maintained.
- Sign spacing may be increased or an additional C20-10-ROAD AHEAD sign may be used if advance warning ahead of the flagger or R1-2-YIELD sign is less than 1500 feet.
- In addition to the sign, a flagger should be used to control the performance or quality of the work. If workers are no longer present, the road should be returned to the traffic control to remain in place. Type 3 barricades or other channelizing devices may be substituted for the Shooper vehicle and TAM.
- Flas should be used to protect the work area.
- Flas should be used to protect the work area.

TCP (1-20)

- R1-2-YIELD sign traffic control may be used on projects with approaches that have more than one half city block, or projects in urban areas work spaces should be no longer than one half city block, or projects in urban areas work spaces with less than 2000 ADT, work spaces should be no longer than 400 feet.
- R1-2-YIELD sign with R1-20P-TO ONCOMING TRAFFIC please shall be placed on a shoulder at a 7 foot minimum mounting height.

TCP (1-2b)

- Flaggers should use warning devices or other methods of communication to control traffic.
- Length of work space should be based on the ability of flaggers to communicate.
- If the work space is located near a horizontal or vertical curve, the buffer distance and a queue of stopped vehicles should be maintained.
- Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
- Flaggers should use 24" STOP/SLOW paddles to control traffic. Flas should be limited to emergency situations.

LEGEND

	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Traffic Mounted Attenuator (TMA)
	Flagger Mounted Portable Message Board		Variable Message Sign (VMS)
	Sign		Traffic Flow
	Flagger		

TYPICAL USAGE

MOBILE	ROADWAY	SPEED LIMIT	INTERSTATE	ONE LANE
ADDITION	WIDTH	STATUS	STATUS	STATUS
30	150'	165'	180'	30'
35	205'	225'	245'	35'
40	265'	285'	305'	40'
45	325'	345'	365'	45'
50	385'	405'	425'	50'
55	445'	465'	485'	55'
60	505'	525'	545'	60'
65	565'	585'	605'	65'
70	625'	645'	665'	70'
75	685'	705'	725'	75'

* Convert Local Roads Only
† Length of Work Space
‡ Length of Work Space

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

TCP (1-2) - 12