

APPLICATION TO INSTALL PRIVATE LINES BY FRONTIER COMMUNICATIONS

(DETAILED DESIGN DRAWINGS AVAILABLE ON REQUEST)

PROJECT #5307228

COUNTY ROADS -456,541,550,551,564,573,589,603,604,605,606,610(WATER ST), LAKESIDE DR, VERDE, BRAY, CORK, SPORTSMAN'S DR., LIMERICK, CLIFDEN, BLARNEY, LOVER'S LANE, FORBESS, LAKEWOOD, ARDEE, 26
DILLARD, KILLARNY

PROJECT # 5307229

COUNTY ROADS - 589, 600, 611 3

PROJECT # 5307230

COUNTY ROADS - 603, 604, 606,609

11 projects

PROJECT # 5307231

COUNTY ROADS- 551, NEAL, BELFAST 2

PROJECT # 5307232

COUNTY ROADS - 550 (ON LAKE SIDE), 551 2

PROJECT # 5307233

COUNTY ROADS - COUNTRY OAKS, 429, 445, 467, 470, 499 6

PROJECT # 5307235

COUNTY ROADS - BLARNEY, SHAMROCK, SHANNON, DONEGAL, CASHELL, EMERALD, KILLARNEY, TIPPERARY, WATERFORD, FORBESS, LUKER CIR 11

PROJECT # 5307238

COUNTY ROADS - 456 1

PROJECT # 5309433

COUNTY ROADS - ARDEE, DILLARD AND SPORTSMAN'S DR 3

PROJECT # 5309434

COUNTY ROADS - EMERALD, CLIFDEN, KILLARNEY, CASHELL 4

PROJECT # 5309503

COUNTY ROADS - ENNIS, WATERFORD, BALLEY CASTLE, VERDE, LIMERICK, MONAGHAN, HAMMER, PATRICIA 8

ALL PROJECTS INDICATE AERIAL AND OR BURIED CABLE TO COUNTY SPECIFICATIONS

September 26, 2022
(Exhibit #11)

Larry Travers

5307228

Frontier Project # 5307228

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: Darrin.Albrecht E: Darrin.L.Albrecht@ftr.com PH#281-229-0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 8/23/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried or aerial water Fiber optic cable
telephone electric gas line within the right-of-way and/or across a county road in Brown County,
Texas, as follows:

Precinct # 4 Location: Starting point: 7951 COUNTY RD 464 This will involve a bore or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 09 day of 30, 20 22

This project falls under Brown county

564, 573, 589

CR 603, 604, 605, 606
610 (water St)
Lakeside Dr

By CHRISTIAN REESE (On Behalf of Frontier Communications)

Address Christian.Reese@cyient.com

Phone 662-400-9330

Patricia Verde
Bray Cork
Sportsman
Limerick Claden
Blaney
Lovers
Forbes
Lakewood
Arroyo
Embria
Killarney

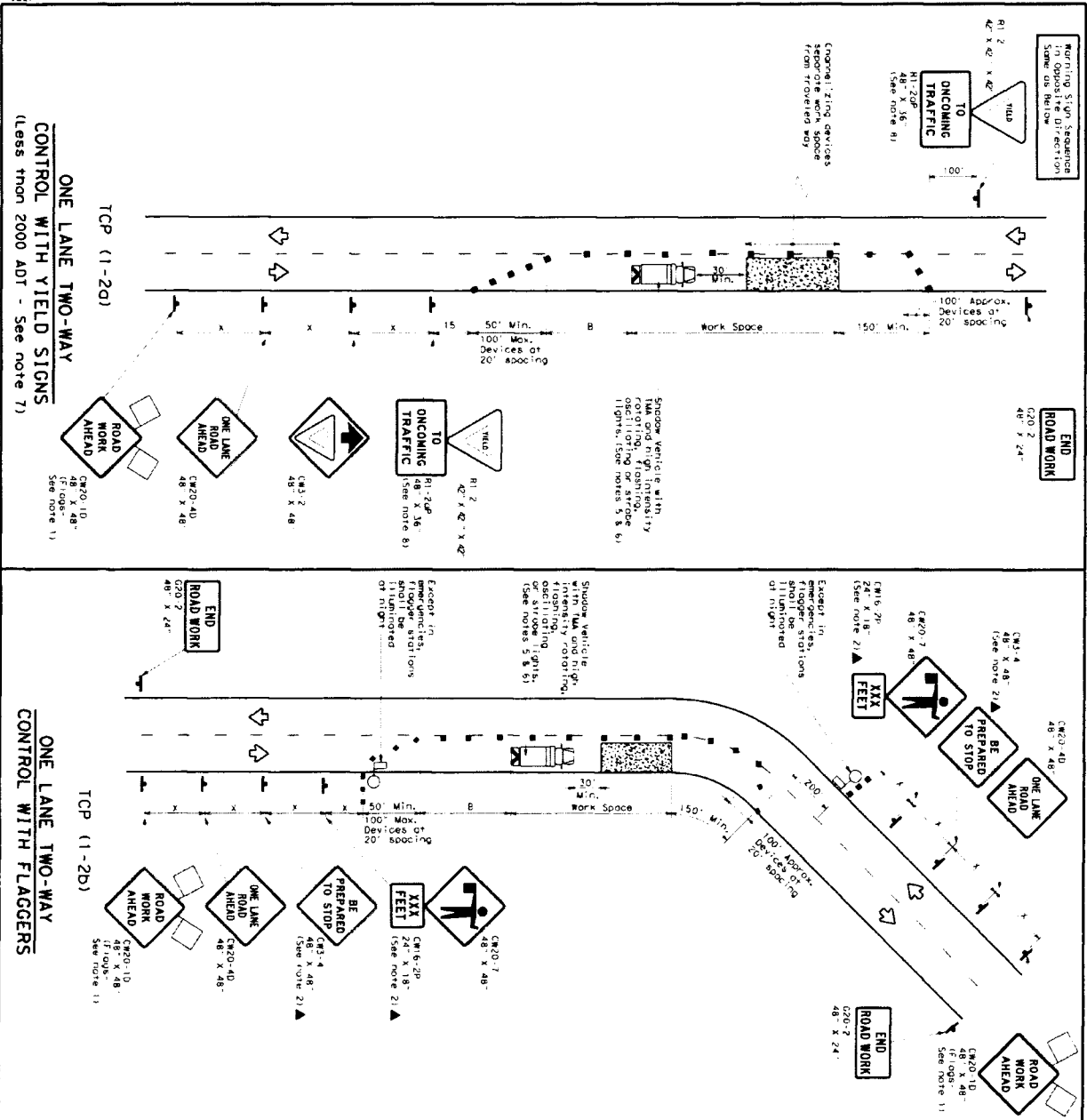
456
541,
550,
551,

Aerial

* Not Turner Ranch

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 Barrier		Truck Mounted Attenuator (TMA)
	Heavy Work Vehicle		Portable Fluorescent Flashing Arrow Board
	Flagger		Traffic Flow

GENERAL NOTES

1. Road closures to a lane shall be approved by the Engineer.
2. Road closures to a lane shall be approved by the Engineer.
3. The "BE PREPARED TO STOP" sign may be installed after the "ONE LANE ROAD AHEAD" sign.
4. The "XXX FEET" sign shall be installed after the "ONE LANE ROAD AHEAD" sign.
5. A shadow vehicle with a TMA should be used only if it can be positioned 20 to 100 feet in advance of the work.
6. Workers shall not be present on road or near construction devices and traffic signs.
7. Additional shadow vehicles with TMA may be positioned off the paved surface, next to house signs, in order to protect wider work space.

TCP (1-20)

1. R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one hour city block. For rural areas on roads with less than 2000 ADT, work spaces should be no longer than 1/2 mile.

TCP (1-21)

1. R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one hour city block. For rural areas on roads with less than 2000 ADT, work spaces should be no longer than 1/2 mile.

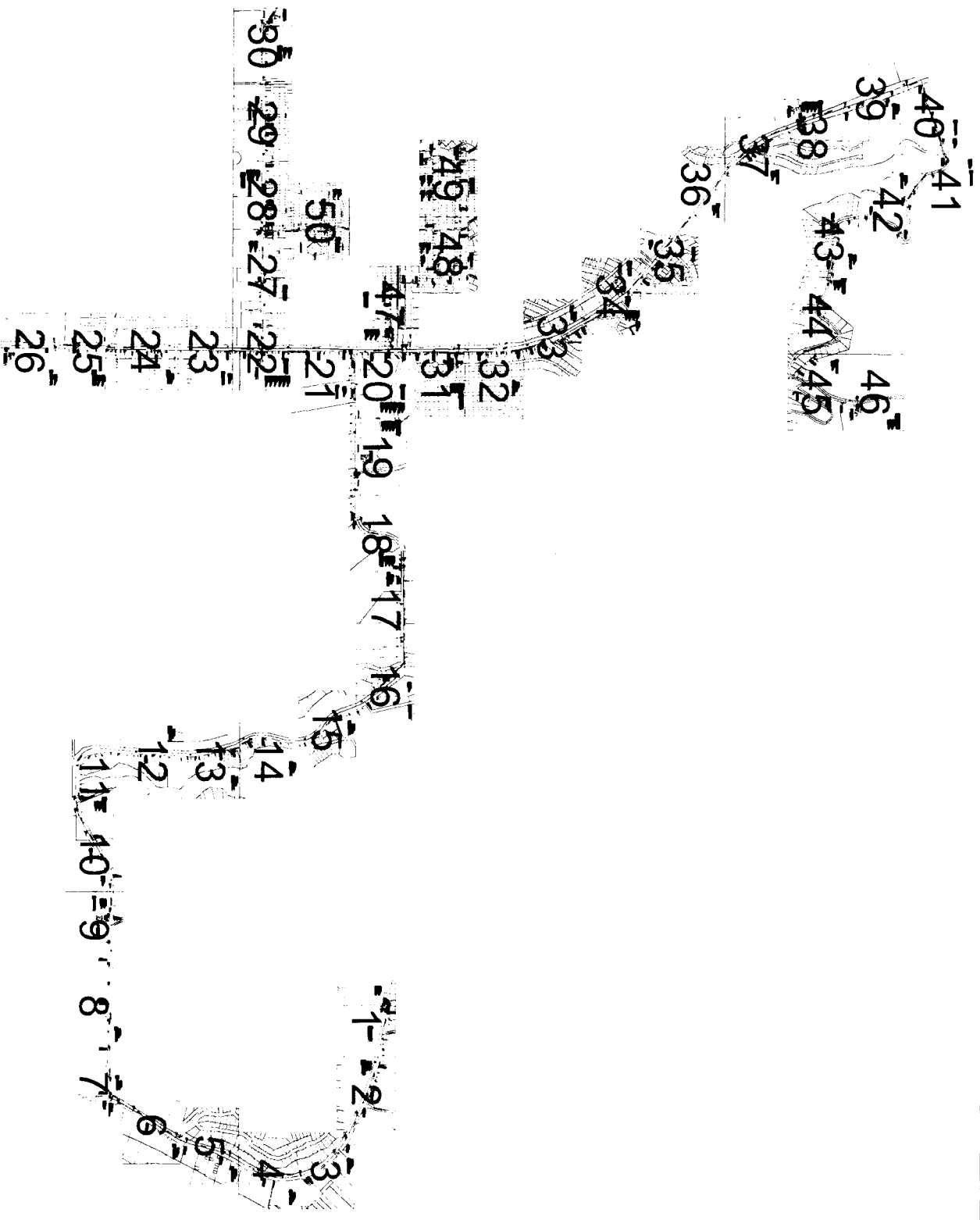
Texas Department of Transportation

Traffic Control Plan

ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP (1-2)-18

DATE: 7/18/20
 FILE: 440-6-38
 2-14 2-18
 2-14 2-18



REVISIONS

PROJECT NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 ENGR: CUYENT
 PHONE: N/A
 TAX DISTRICT: 10383
 FILE: BROWN
 DWG: SEC.
 OF 50

① 314' 2423.201
 432 XA-432 FIBER
 LKBRTOXA FC741.1-432

② 1859' 2421.201
 432 XA-432 FIBER
 LKBRTOXA FC741.1-432

MINIMUM CLEARANCE
 REQUIREMENTS: 15 FEET

2423.201
 30" X48" X36" D HH

2423.201
 30" X48" X36" D HH

TREE TRIM 100'

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN
 NEW DUCT.

SEE SHEET 1

UNITS / ACCT CODES

FP22D	1859
FP43F	308
FP47B	100
FP58D	2
FP59B	135
FS53	432
FS14B	1

REVISIONS

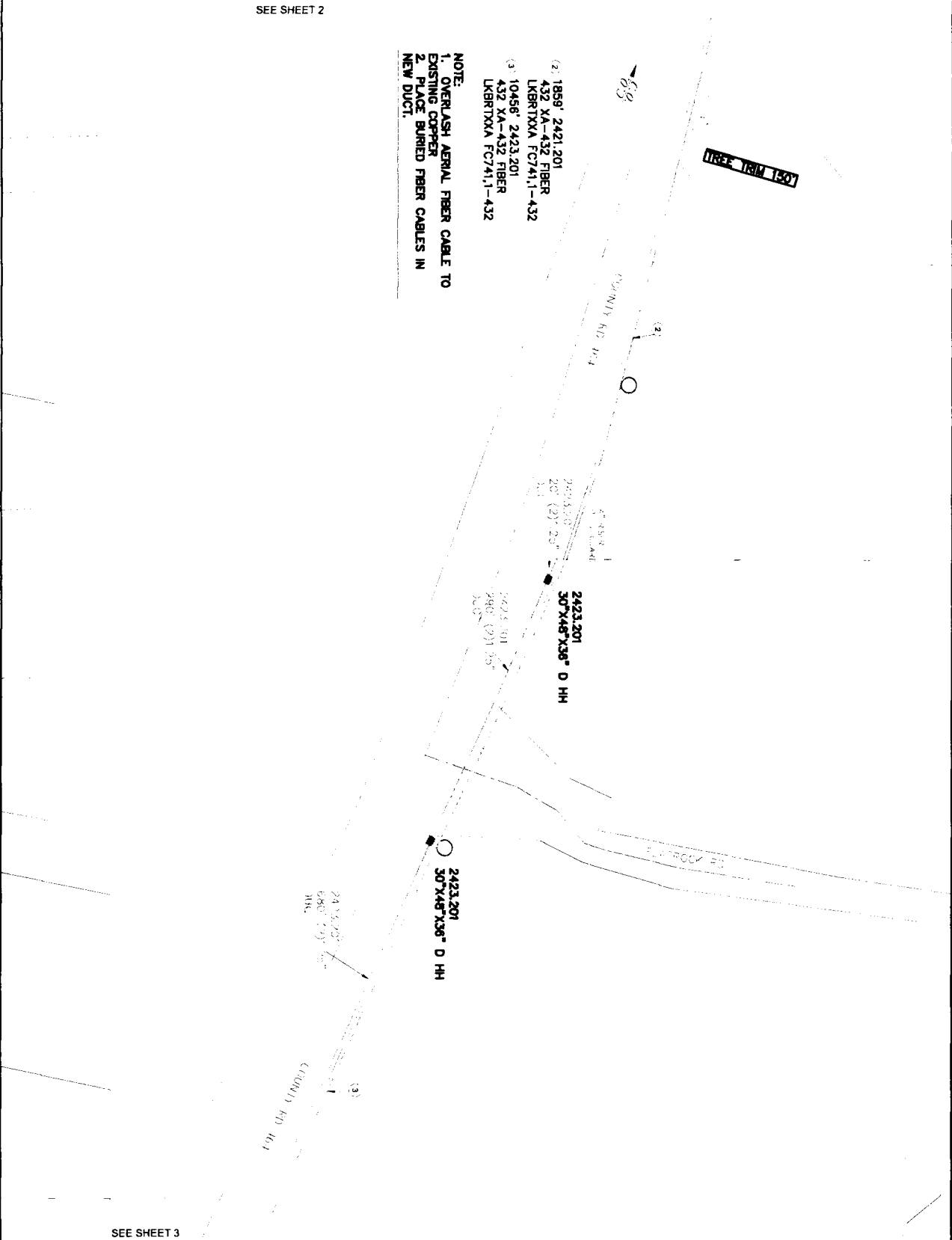
PROJECT NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'
 TOWNSHIP: RING

C.O. AREA: LAKE BROWNWOOD
 EXCH CODE: 70440
 CLIENT: BROWN
 FILE: BROWN
 TAX DISTRICT: 10383
 DWG: 1
 SEC: 50

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN NEW DUCT.

- (2) 1856' 2421.201
 432 XA-432 FIBER
 LKBR1XXA FC741.1-432
- (3) 10456' 2423.201
 432 XA-432 FIBER
 LKBR1XXA FC741.1-432



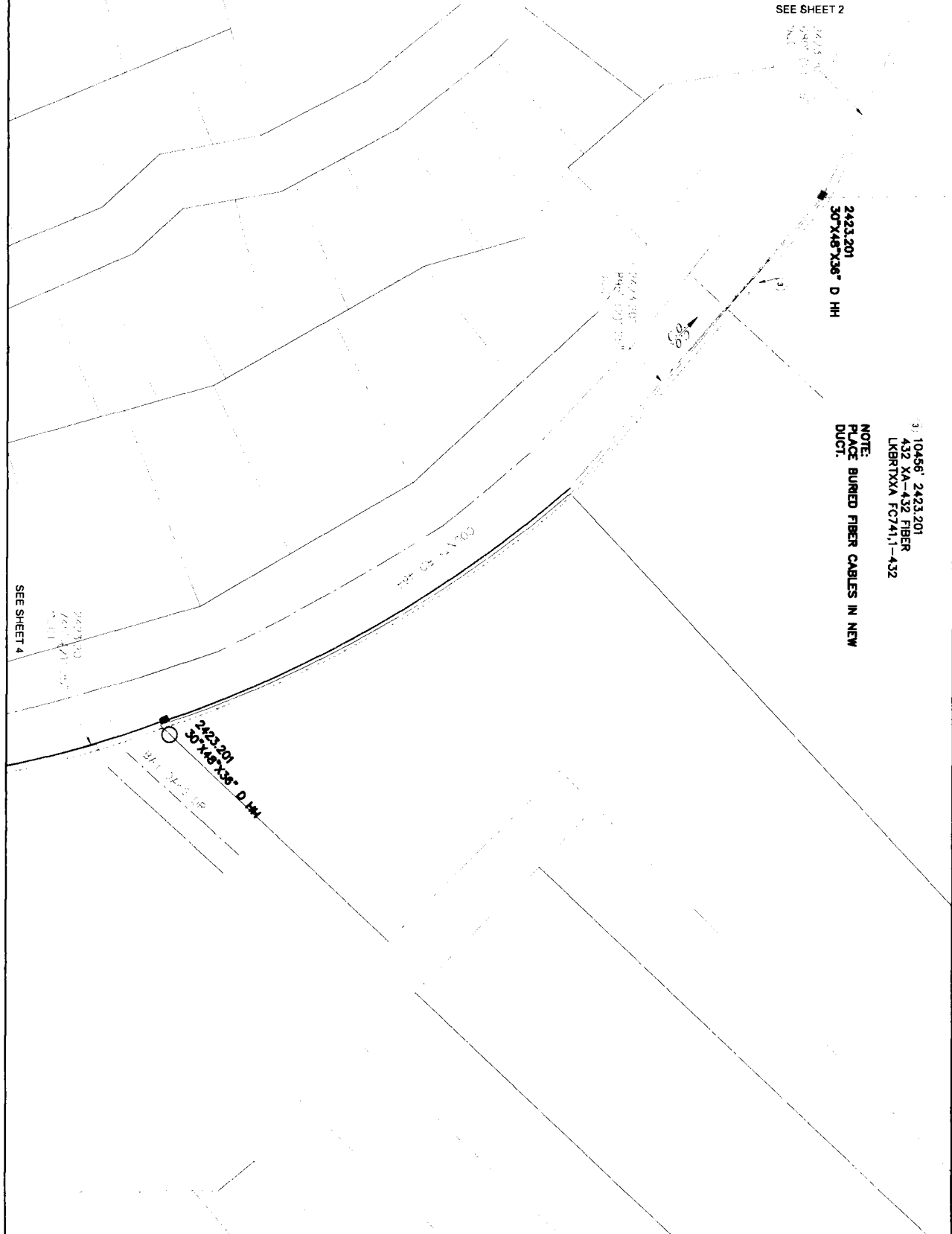
SEE SHEET 3

UNITS / ACCT CODES	
FP43F	10456
FP47B	150
FP58D	2
FP99B	990

REVISIONS	

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

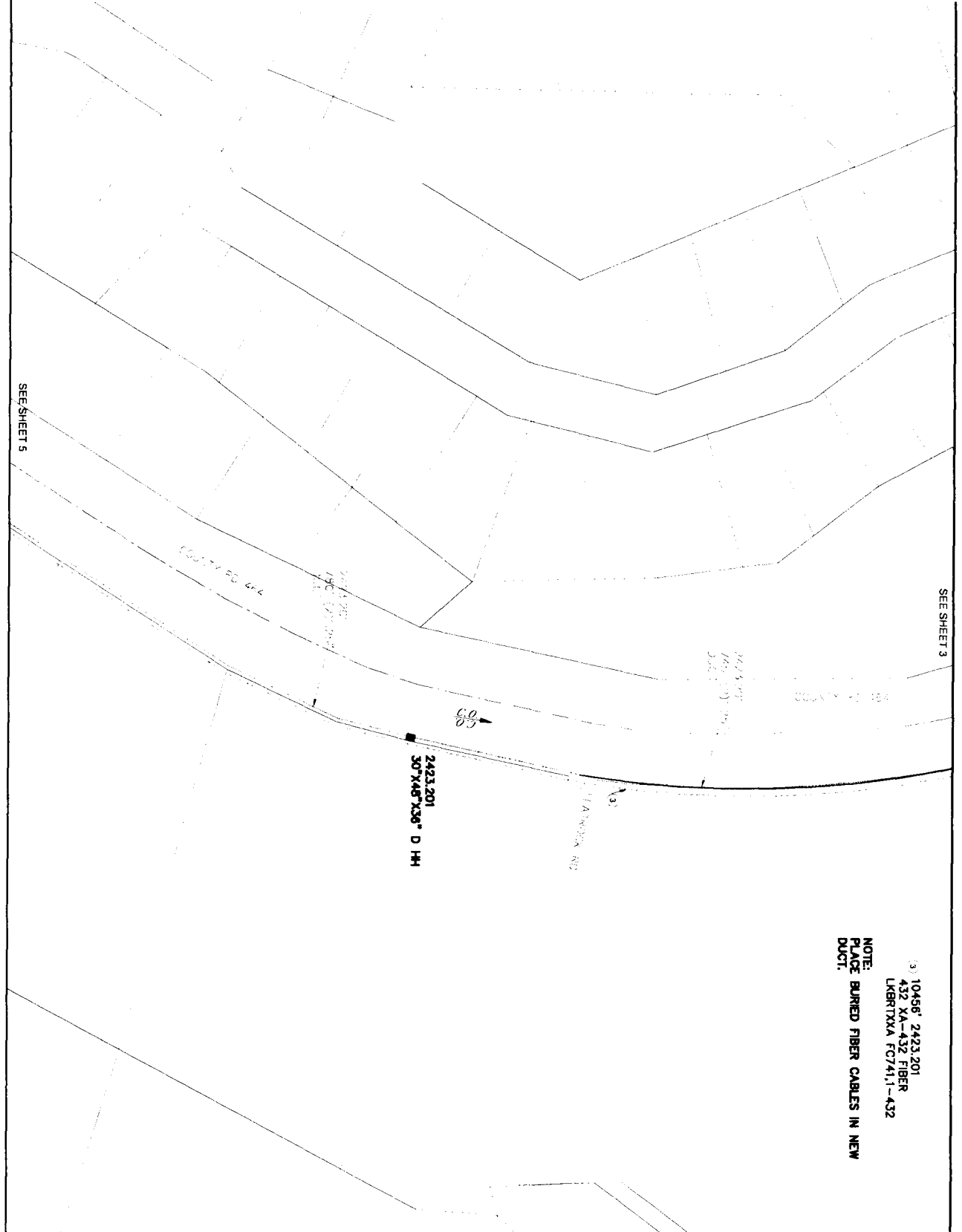
PROJECT NUMBER: 5307228 DRAWN DATE: 07/28/2022 SCALE: 1"=100'	C.O. AREA: LAKE BROWNWOOD EXCH. CODE: 70440 ENGR: CYIENT PHONE: N/A TAX DISTRICT: 10363 DWG. SEC.: 2 OF 50
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NOTE:
 PLACE BURIED FIBER CABLES IN NEW
 DUCT.

SEE SHEET 4

<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741</p>	
<p>PROJECT NUMBER: 5307228 DRAWN DATE: 07/28/2022 SCALE: 1"=100'</p>	<p>C.O. AREA: LAKE BROWNWOOD EXCH. CODE: 70440 CUYENT: BROWN FILE: BROWN TAX DISTRICT: 10963 DWG. SEC.: 3 OF 50</p>
<p>REVISIONS</p>	
<p>UNITS / ACCT CODES</p>	
<p>FP58D 2 FP59B 1640</p>	




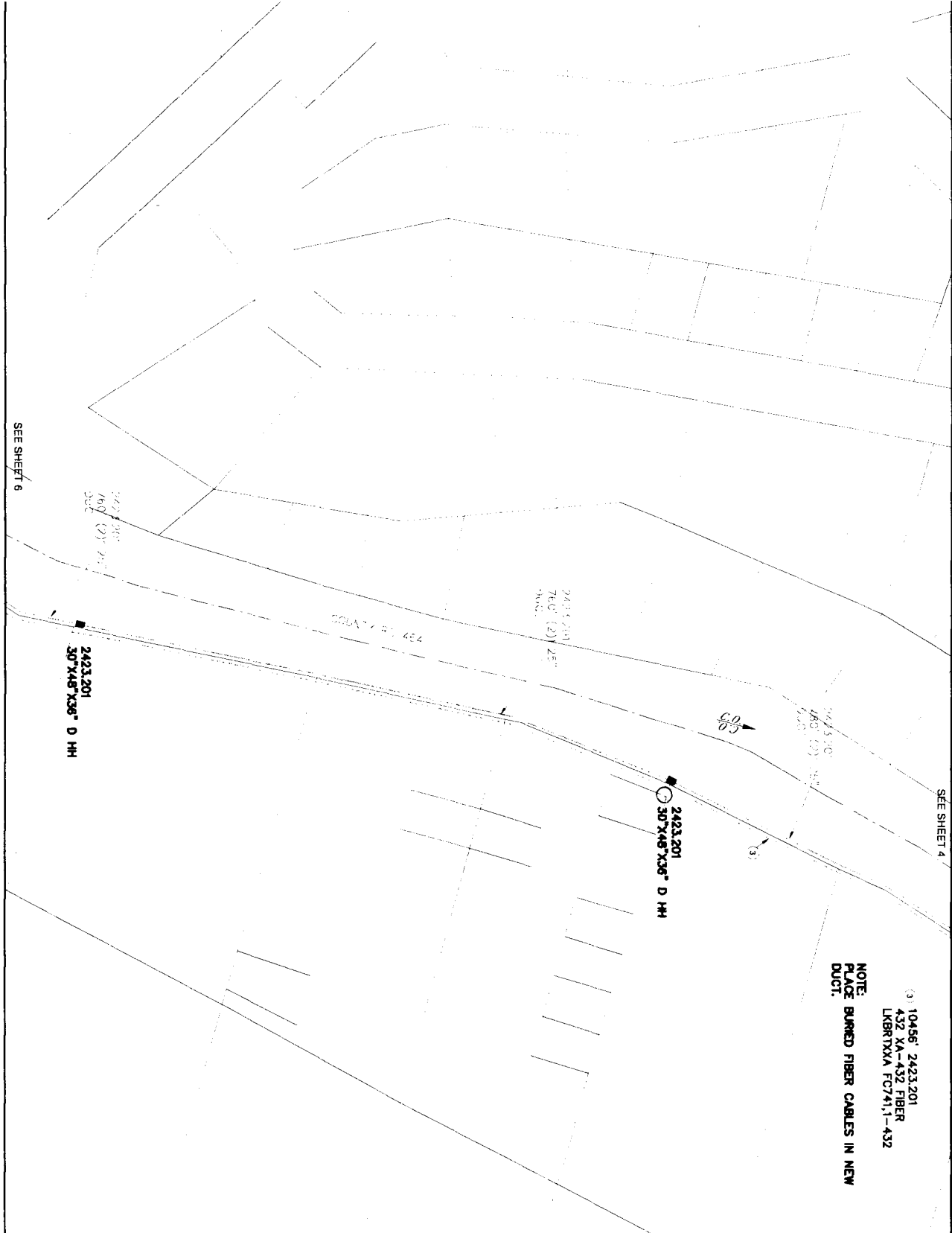
SEE SHEET 3

SEE SHEET 5

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.

① 10456' 2423.201
432 XA-432 FIBER
LKBRTXXA FC741,1-432

<p>UNITS / ACCT CODES</p> <table border="1"> <tr> <td>FP58D</td> <td>1</td> </tr> <tr> <td>FP59B</td> <td>780</td> </tr> </table>		FP58D	1	FP59B	780					
FP58D	1									
FP59B	780									
<p>REVISIONS</p> <table border="1"> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>										
<p>  Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741 </p>										
<p> PROJECT: LAKE BROWNWOOD NUMBER: 5307228 DRAWN DATE: ENGR: N/A 07/28/2022 PHONE: N/A SCALE: 1"=100' TAX DISTRICT: 10363 DWG: 4 OF 50 TWSHP: RNC: SEC: </p>										



SEE SHEET 4

SEE SHEET 6

10456' 2423.201
 432 YA-432 FIBER
 LBRTXAA FC741.1-432

NOTE: PLACE BURIED FIBER CABLES IN NEW DUCT.

UNITS / ACCT CODES

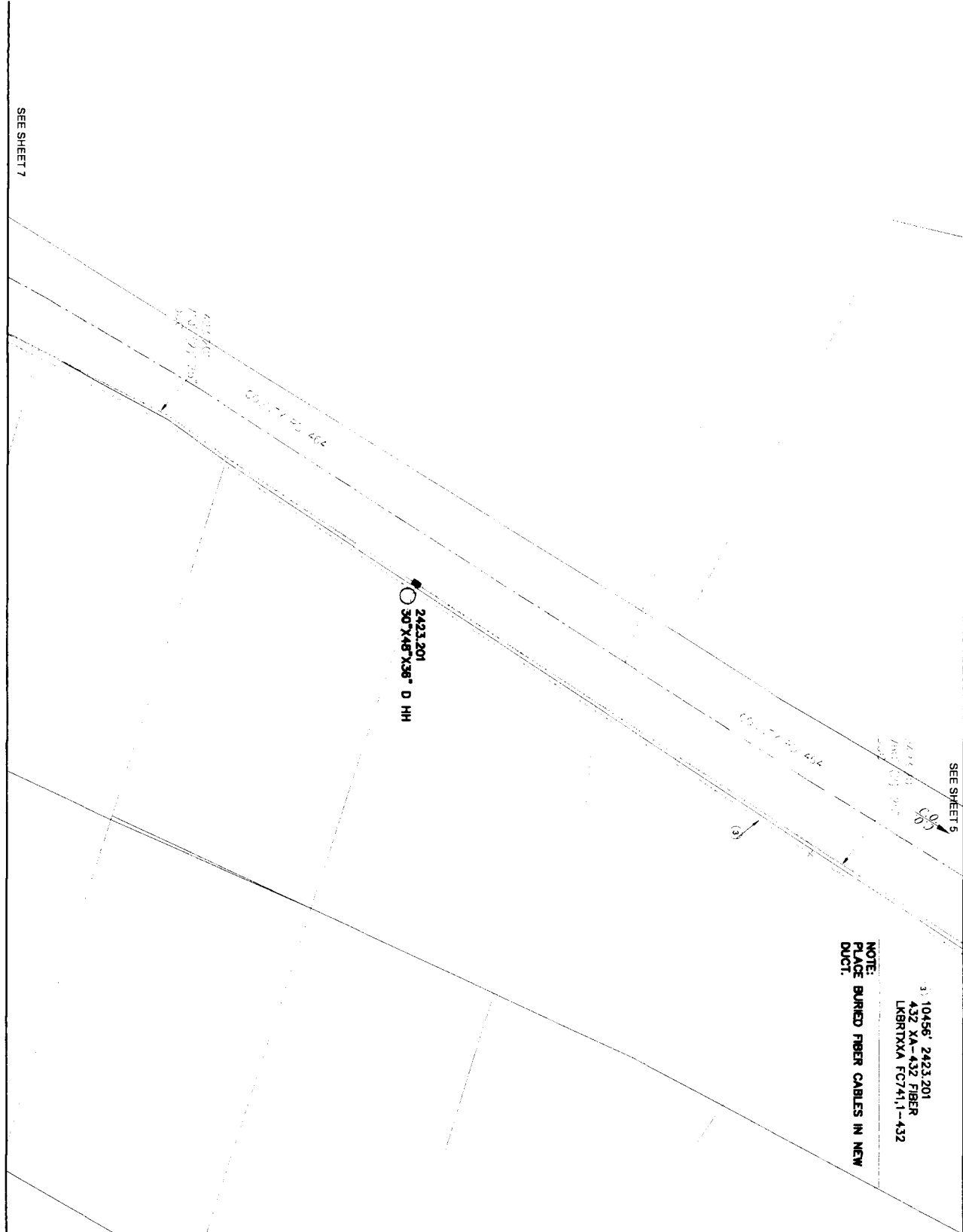
FP58D	2
FP59B	1520

REVISIONS

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

C.O. AREA: LAKE BROWNWOOD
 EXCH CODE: 7044D
 CLIENT: BROWN
 FILE: BROWN
 TAX DISTRICT: 10363
 DWG: 5 OF 50
 TWSHP: SEC.



SEE SHEET 5

10456' 2423.201
 432 XA-432 FIBER
 LKBR7XA FC741.1-432

NOTE:
 PLACE BURIED FIBER CABLES IN NEW
 DUCT.

UNITS / ACCT CODES	
FP588	1
FP598	710

REVISIONS	

<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741</p>	
PROJECT NUMBER: 5307228 DRAWN DATE: 07/28/2022 SCALE: 1"=100' TNSHSP:	C.O. AREA: LAKE BROWNWOOD EXCH CODE: 7044D ENGR: CYIENT PHONE: N/A TAX DISTRICT: 10383 DWG: 6 OF 50 FILE: BROWN SEC:

SEE SHEET 7

NOTE:
PLACE BURIED FIBER CABLES IN NEW
DUGT.

10456' 2423.201
432 XA-432 FIBER
LMBRTXXA FC741,1-432

SEE SHEET 6

2423.201
30"x48"x36" D HH

2423.201
30"x48"x36" D HH

2423.201
30"x48"x36" D HH

2423.201
30"x48"x36" D HH

UNITS / ACCT CODES

FP58D 4
FP59B 1686

REVISIONS

PROJECT: 5307228
DRAWN DATE: 07/29/2022
SCALE: 1"=100'
C.O. AREA: LAKE BROWNWOOD
EXCH CODE: 70440
ENGR: CYIENT
FILE: BROWN
TAX DISTRICT: 10363
DWG: 7 OF 50
SEC:

Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FEEDER JOB FC741

10/15/22
155' (21' 25")

2423.201
30"X48"X36" D HH



(3)

10/15/22
155' (21' 25")

0.9'

10456' 2423.201
432 XA-432 FIBER
LMBRTXXA FC7411-432
NOTE: PLACE BURIED FIBER CABLES IN NEW DUCT.

UNITS / ACCT CODES

FP58D 1
FP59B 755

REVISIONS

PROJECT: LAKE BROWNWOOD
NUMBER: 5307228
DRAWN DATE: 07/28/2022
SCALE: 1"=100'
C.O. AREA: LAKE BROWNWOOD
EXCH. CODE: 70440
ENGR: N/A
CLIENT: BROWN
TAX DISTRICT: 1083
DWG: 8 OF 50
RNG: SEC:

Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FEEDER JOB FC741

- (3) 10456' 2423.201
432 XA-432 FIBER
LKBRTXKA FC741.1-432
- (4) 2899' 2423.201
432 XA-432 FIBER
LKBRTXKA FC741.1-420+

NOTE:
PLACE BURIED FIBER CABLES IN NEW
DUCT.

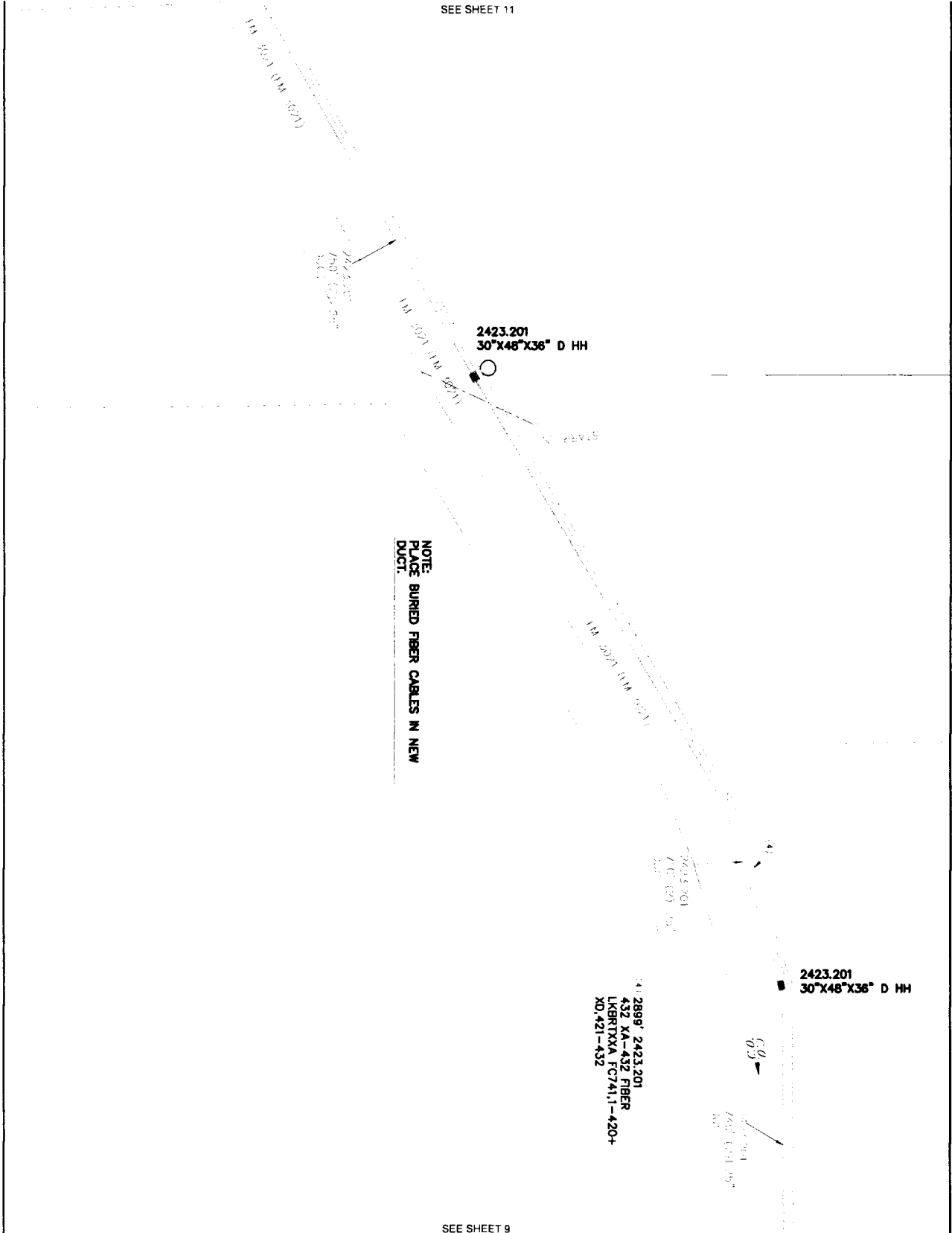
FOR ALL EXC HANDLED BY
BROWNWOOD COMMUNICATIONS
AV. 1000 STE. 1000
DENVER, CO 80202

2423.201
3X3" HH

2423.201
30"X48"X36" D HH

2423.201
30"X48"X36" D HH

<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741</p>	<p>UNITS / ACCT CODES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>FP43F</td> <td>2948</td> </tr> <tr> <td>FP56D</td> <td>2</td> </tr> <tr> <td>FP98B</td> <td>1525</td> </tr> </table>	FP43F	2948	FP56D	2	FP98B	1525	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>												
FP43F	2948																			
FP56D	2																			
FP98B	1525																			
<p>PROJECT: LAKE BROWNWOOD NUMBER: 5307228 EXCH CODE: 70440 DRAWN DATE: ENGR: CYIENT 07/28/2022 PHONE: N/A SCALE: 1"=100' TAX DISTRICT: 10383 DWG: 9 OF 50 TWSHP: RING SEC.</p>																				



NOTE:
PLACE BURIED FIBER CABLES IN NEW
DUCT.

<p>UNITS / ACCT CODES</p> <p>FP58D 2</p> <p>FP59B 1460</p>	
<p>REVISIONS</p>	
<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741</p>	
<p>PROJECT: C.O. AREA: LAKE BROWNWOOD NUMBER: 5307228 EXCH CODE: 70440 DRAWN DATE: ENGR: CYIENT NITY: BROWN 07/28/2022 PHONE: N/A FILE: SCALE 1"=100' TAX DISTRICT: 10363 DWG: 10 OF 50 TOWNSHIP: RING SEC:</p>	<p>PROJECT: C.O. AREA: LAKE BROWNWOOD NUMBER: 5307228 EXCH CODE: 70440 DRAWN DATE: ENGR: CYIENT NITY: BROWN 07/28/2022 PHONE: N/A FILE: SCALE 1"=100' TAX DISTRICT: 10363 DWG: 10 OF 50 TOWNSHIP: RING SEC:</p>

SEE SHEET 12

NOTE:
1. OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER
2. PLACE BURIED FIBER CABLES IN NEW DUCT.

- ④ 2899' 2423.201
432 XA-432 FIBER
LKBRTXXA FC741,1--420+
XD,421-432
- ⑤ 10725' 2421.201
432 XA-432 FIBER
LKBRTXXA FC741,1--420+
XD,421-432

TREE TRIM 105'

TREE TRIM 70'

2423.201
30"x48"x36" D-HH

SEE SHEET 10

UNITS / ACCT CODES

FP22D	10725
FP47B	175
FP58D	1
FP98B	20

REVISIONS

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228
 C.O. AREA: LAKE BROWNWOOD
 DRAWN DATE ENGR: 07/28/2022
 EXCH CODE: 70440
 CYIENT: N/A
 ONTY: BROWN
 FILE: 11
 SCALE: 1"=100'
 TAX DISTRICT: 10363
 DWG: 11 OF 50
 TNSHP: SEC.

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

(S) 10725' 2421.201
 432 XA-432 FIBER
 LKBR1XKA FC741,1-420+
 X0,421-432
 NOTE:
 OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER


SEE SHEET 13

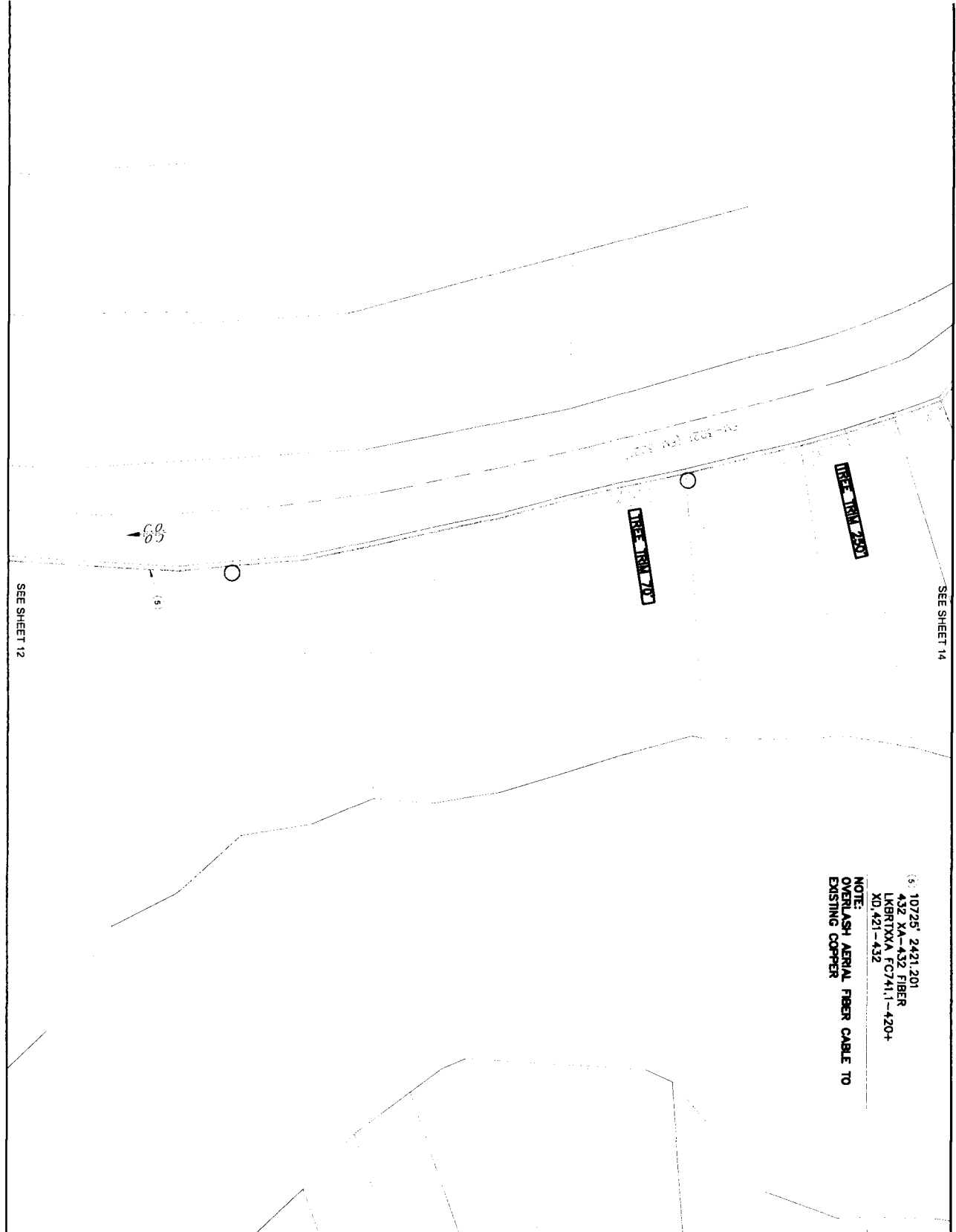
DIRECTORIAL

0.0
0.0

15'

SEE SHEET 11

<p>UNITS / ACCT CODES</p> <p>FP47B 50</p>	
<p>REVISIONS</p>	
<p>  Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741 </p>	
<p>PROJECT NUMBER: 5307228</p> <p>DRAWN DATE: 07/28/2022</p> <p>SCALE: 1"=100'</p> <p>TWN/SHIP: R10G</p>	<p>C.O. AREA: LAKE BROWNWOOD</p> <p>EXCH CODE: 70440</p> <p>CLIENT: BROWN</p> <p>FILE: BROWN</p> <p>DWG: 12 OF 50</p> <p>SEC:</p>



SEE SHEET 14

SEE SHEET 12

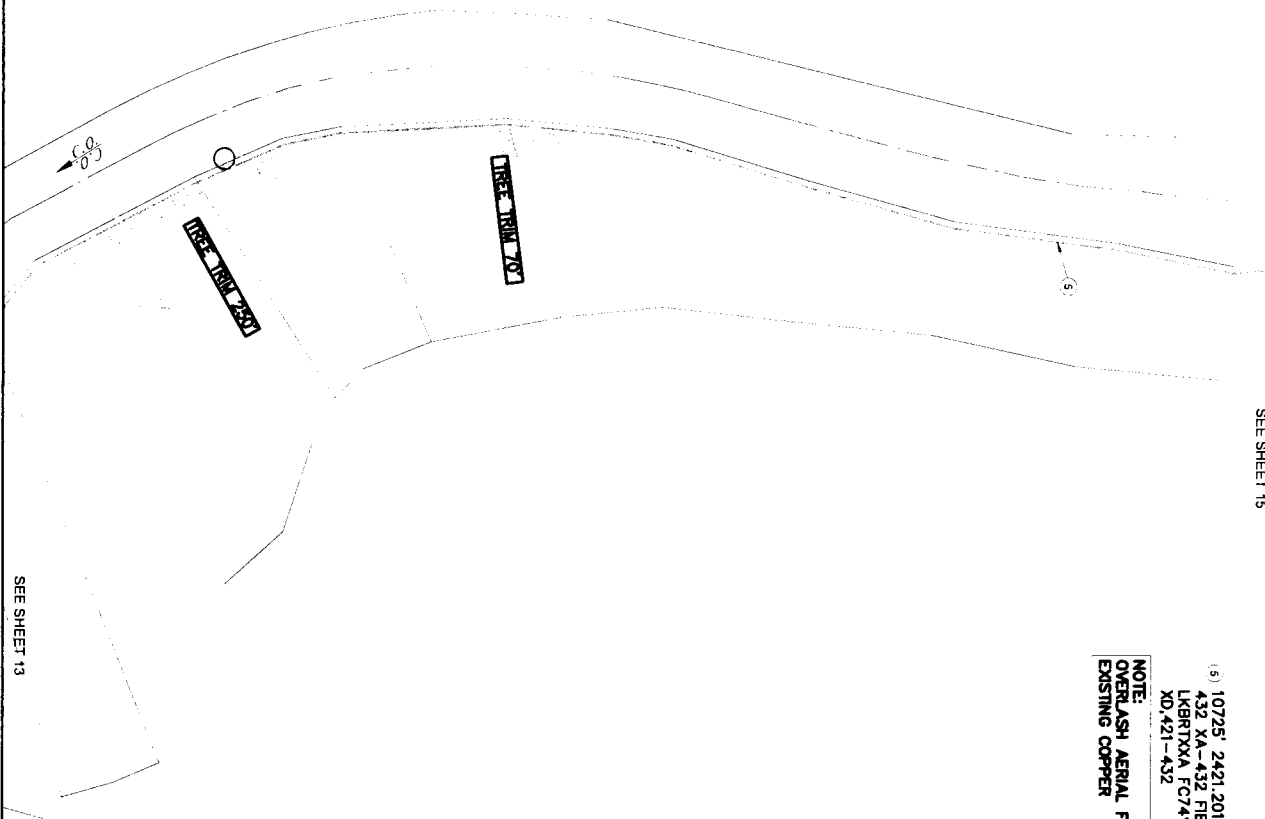
NOTE:
 10725' 2421.201
 432 XA-432 FIBER
 LKBRITXXA FC741.1-420+
 XD 421-432
 OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER

<p>UNITS / ACCT CODES</p> <p>FP47B 320</p>	
<p>REVISIONS</p>	
<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741</p>	
<p>PROJECT NUMBER: 5307228 DRAWN DATE: ENGR: N/A SCALE: 1"=100'</p>	<p>C.O. AREA: LAKE BROWNWOOD EXCH CODE: 70440 CLIENT: BROWN FILE: BROWN DWG: 13 OF 50 SEC:</p>

SEE SHEET 15

(S) 10725' 2421.201
432 XA-432 FIBER
LKBRTXKA FC741,1-420+
XD,421-432

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER



SEE SHEET 13

UNITS / ACCT CODES

Fp47B 320

REVISIONS



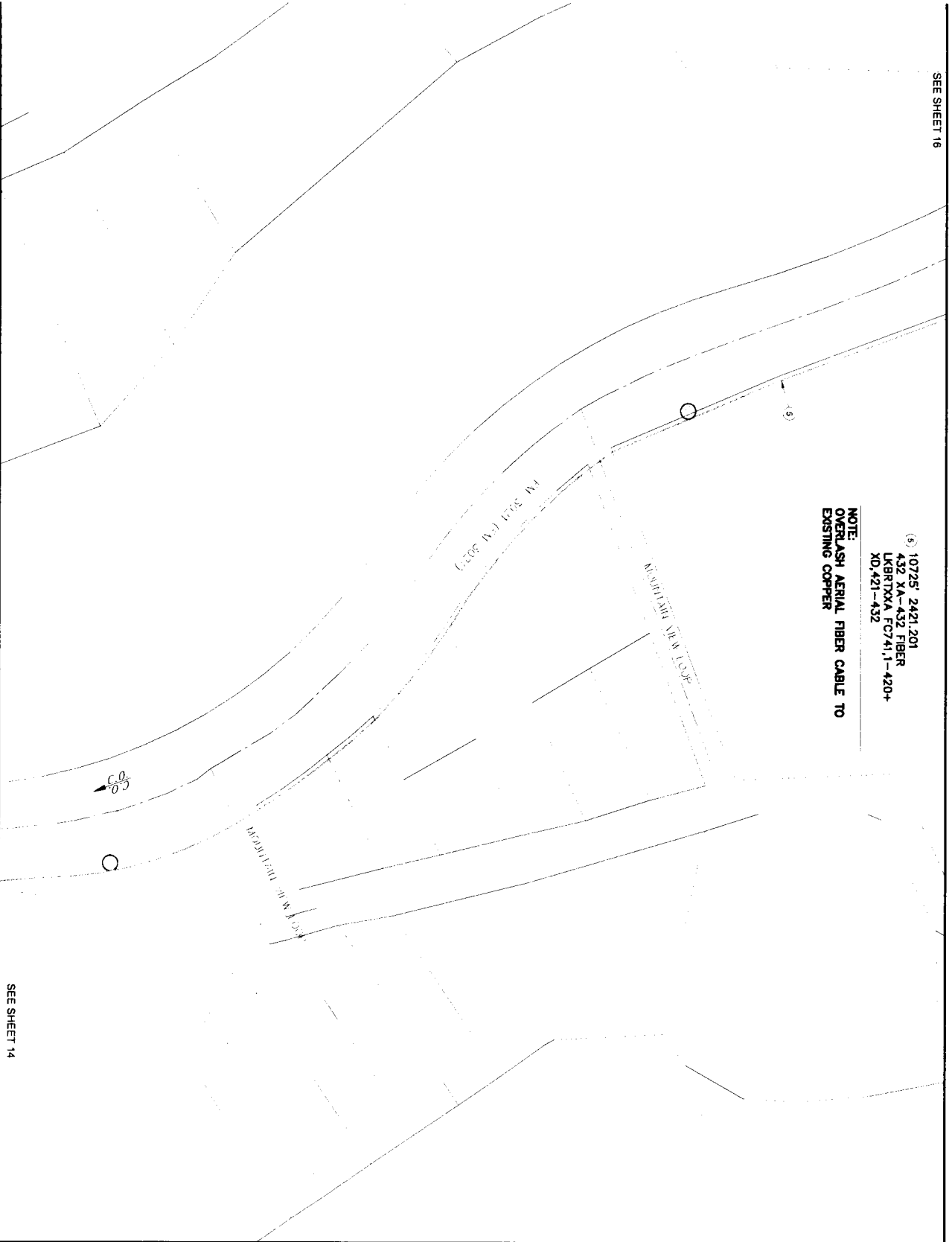
LAKE BROWNWOOD
FEEDER JOB FC741

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228 C.O. AREA: LAKE BROWNWOOD
 DRAWN DATE: ENGR: CYIENT EXCH CODE: 70440
 07/28/2022 PHONE: N/A FILE: BROWN
 SCALE: 1"=100' TAX DISTRICT: 10363 DWG: 14 OF 50
 TWSHP: RING SEC:

SEE SHEET 16

⑤ 10725' 2421.201
432 XA-432 FIBER
LBR1XXA FC741,1-420+
X0,421-432

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER



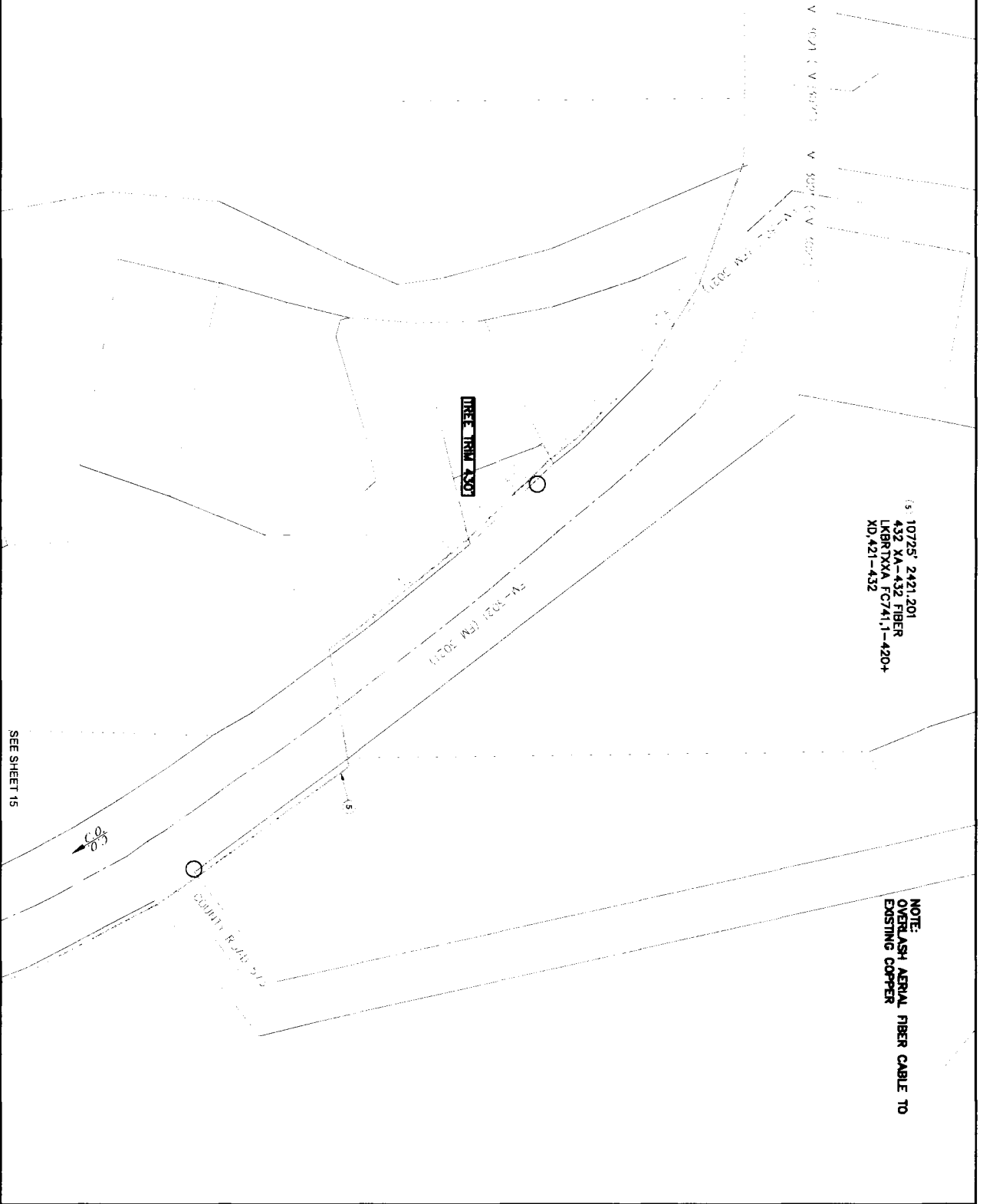
SEE SHEET 14

REVISIONS

PROJECT: 5307228
 NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'
 TOWNSHIP: R10G

CO. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 CLIENT: BROWN
 FILE: BROWN
 DATE: 07/28/2022
 PHONE: N/A
 FAX DISTRICT: 10363
 DWG: 15
 OF: 50
 SEC:

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741



SEE SHEET 15

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

10725 2421 201
432 YA-432 FIBER
LBR1YXA / C741, 1-420+
XD1421-432

<p>UNITS / ACCT CODES</p> <p>Fp47/B 430</p>	
<p>REVISIONS</p>	
<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741</p>	
<p>PROJECT NUMBER: 5307228 DRAWN DATE: 07/28/02 SCALE: 1"=100'</p>	<p>C.O. AREA: LAKE BROWNWOOD EXCH CODE: 70440 ENGR: CYIENT PHONE: N/A TAX DISTRICT: 10363 DWG: 16 OF 50 SEC: TOWNSHIP:</p>

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

10725' 2421.201
432 XA-432 FIBER
LKBR1XA FC741,1-4204
XD,421-432

LINE ITEM 1007

WAY 5 00 00 00

V 300' (W 500')

V 300' (V 500')

V 300' (V 500')

V 300' (V 500')

600'

SEE SHEET 16

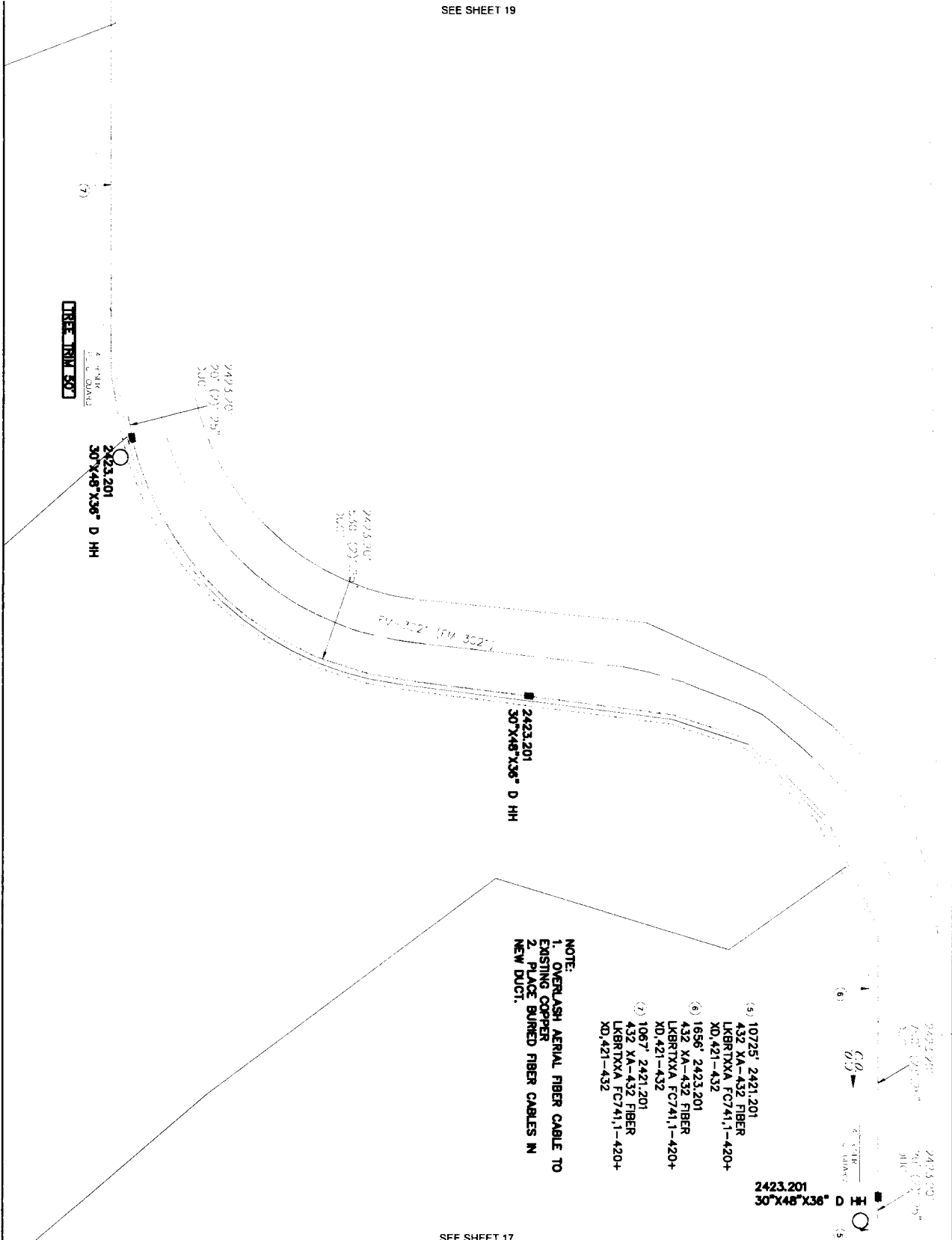
PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'
 C.O. AREA: LAKE BROWNWOOD
 EXCH CODE: 70440
 ENGR: N/A
 CLIENT: BROWN
 TAX DISTRICT: 10383
 DWG: 17 OF 50
 TOWNSHIP: SEC

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

REVISIONS

UNITS / ACCT CODES

FP478 100



NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO EXISTING COUNTER
 2. PLACE BURNED FIBER CABLES IN NEW DUCT.

- (5) 10725' 2421.201
 432 XA-432 FIBER
 LKBR7XXA, FC741,1-420+
 XD,421-432
- (6) 1656' 2423.201
 432 XA-432 FIBER
 LKBR7XXA, FC741,1-420+
 XD,421-432
- (7) 1067' 2421.201
 432 XA-432 FIBER
 LKBR7XXA, FC741,1-420+
 XD,421-432

<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741</p> <p>PROJECT: 5307228 NUMBER: 5307228 DRAWN DATE: 07/28/2022 SCALE: 1"=100'</p> <p>C.O. AREA: LAKE BROWNWOOD EXCH. CODE: 70440 CLIENT: BROWN FILE: BROWN TAX DISTRICT: 10363 DWG. SEC: 18 OF 50</p>	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"> </td> <td style="width: 15%;"> </td> <td style="width: 15%;"> </td> <td style="width: 15%;"> </td> <td style="width: 15%;"> </td> <td style="width: 15%;"> </td> </tr> </table>							<p>UNITS / ACCT CODES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">FP22D</td> <td style="width: 40%;">968</td> </tr> <tr> <td>FP43F</td> <td>1656</td> </tr> <tr> <td>FP47B</td> <td>50</td> </tr> <tr> <td>FP58D</td> <td>3</td> </tr> <tr> <td>FP59B</td> <td>1320</td> </tr> </table>	FP22D	968	FP43F	1656	FP47B	50	FP58D	3	FP59B	1320
FP22D	968																	
FP43F	1656																	
FP47B	50																	
FP58D	3																	
FP59B	1320																	

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN
 NEW DUCT.

- 17 1087' 2421.201
 432 XA-432 FIBER
 LKBR1XXA FC741,1-420+
 XD,421-432
- 18 116' 2423.201
 432 XA-432 FIBER
 LKBR1XXA FC741,1-420+
 XD,421-432
- 19 116' 2423.201
 432 XA-432 FIBER
 LKBR1XXA FC741,1-408+
 XD,409-432
- 20 2558' 2421.201
 432 XA-432 FIBER
 LKBR1XXA FC741,1-408+
 XD,409-432

432 XA-432 FIBER
 LKBR1XXA FC741,1-408+
 XD,409-432

V 500' (V 500')

(10)

2423.201
 3X3" HH

V 500' (V 500')

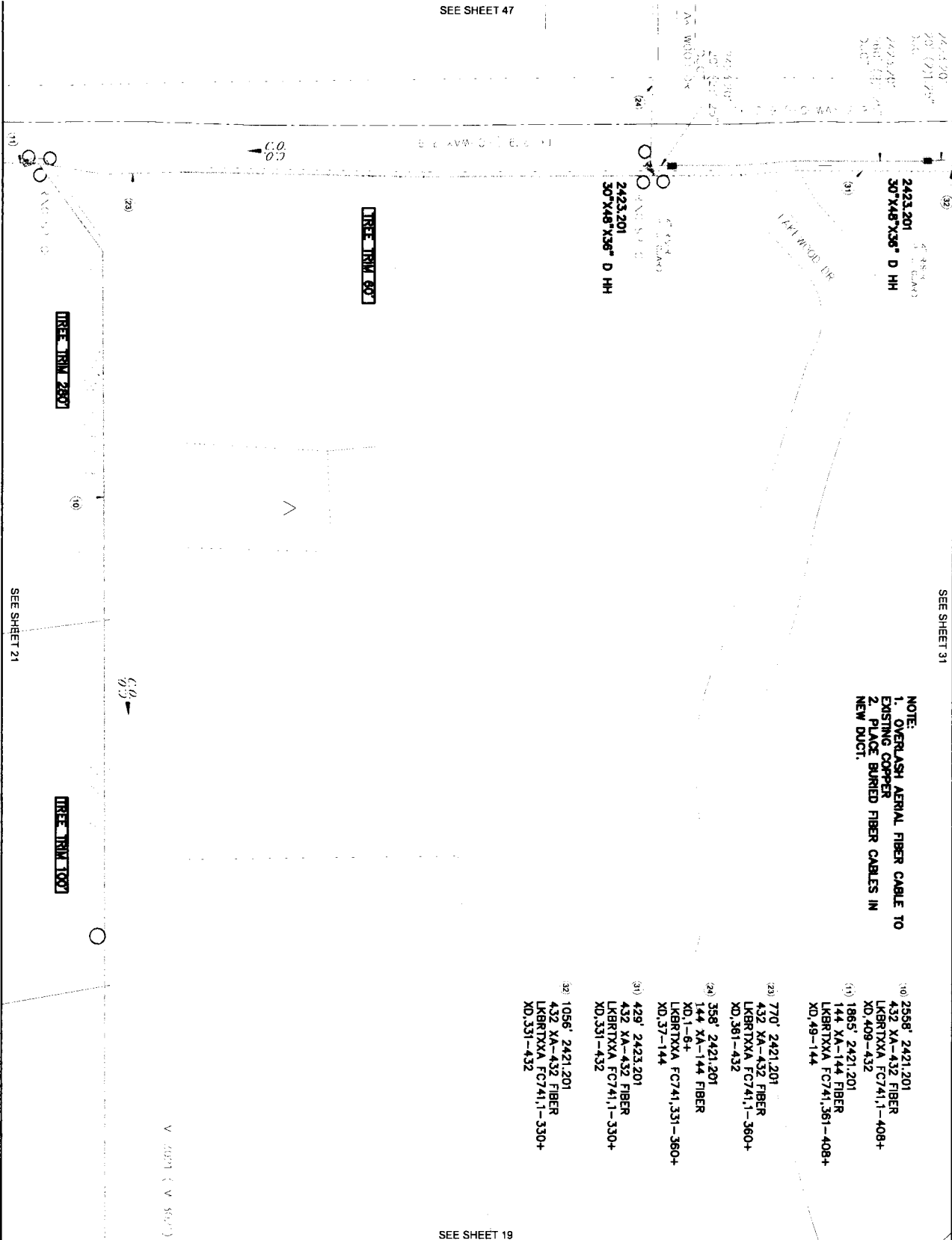
60'

UNITS / ACCT CODES	
FP22D	2558
FP43F	232
FP59B	20

REVISIONS

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'
 ENGR: CYIENT
 PHONE: N/A
 FAX DISTRICT: 10363
 DWG: 19
 OF: 50
 TNSHP: SEC





SEE SHEET 31

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN NEW DUCT.

(10) 2558' 2421,201
 432 XA-432 FIBER
 LKBR1XXA FC741,1-408+
 XD,409-432

(11) 1885' 2421,201
 144 XA-144 FIBER
 LKBR1XXA FC741,361-408+
 XD,49-144

(20) 770' 2421,201
 432 XA-432 FIBER
 LKBR1XXA FC741,1-360+
 XD,361-432

(24) 356' 2421,201
 144 XA-144 FIBER
 LKBR1XXA FC741,331-360+
 XD,37-144

(31) 429' 2423,201
 432 XA-432 FIBER
 LKBR1XXA FC741,1-330+
 XD,331-432

(32) 1056' 2421,201
 432 XA-432 FIBER
 LKBR1XXA FC741,1-330+
 XD,331-432

SEE SHEET 19

UNITS / ACCT CODES	
FP22D	4049
FP43F	429
FP47B	440
FP58D	2
FP59B	300
FSS1	30
FS14A	1
FSS1	48
FS14A	1

REVISIONS

PROJECT: 5307228
 NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'
 C.O. AREA: LAKE BROWNWOOD
 EXCH CODE: 70440
 ENGR: CYIENT
 FILE: BROWN
 TAX DISTRICT: 10363
 DWG: 20
 OF: 50
 TNSHP: SEC.



LINE TRM 807

LINE TRM 1007

LINE TRM 4007

SEE SHEET 20

11) 1865' 2421.201
144 XA-144 FIBER
LKBRTXXA FC741.361-408+
XD.49-144

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

SEE SHEET 22

UNITS / ACCT CODES

FP47B

560

REVISIONS

PROJECT 5307228
DRAWN DATE 07/28/2022
SCALE 1"=100'
TNSHP- RNSG

FEEDER JOB FC741

LAKE BROWNWOOD
COMMUNICATIONS



C.O. AREA LAKE BROWNWOOD
EXCH. CODE 70440
ENGR. CYIENT FILE: BROWN
CITY: BROWN
PHONE: N/A
TAX DISTRICT: 10363 DWG: 21 OF 50

SEE SHEET 21

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN
 NEW DUCT.

TREE TRIM 100'

- (11) 1865' 2421,201
 144 XA-144 FIBER
 LKBRTXXA FC741,361-408+
 XD,49-144
- (12) 116' 2423,201
 144 XA-144 FIBER
 LKBRTXXA FC741,361-408+
 XD,49-144
- (13) 116' 2423,201
 144 XA-144 FIBER
 LKBRTXXA FC741,373-396+
 XD,25-144
- (14) 1361' 2421,201
 144 XA-144 FIBER
 LKBRTXXA FC741,373-396+
 XD,25-144
- (20) 116' 2423,201
 144 XA-144 FIBER
 LKBRTXXA FC741,361-372+
 XD,13-144
- (21) 4021' 2421,201
 144 XA-144 FIBER
 LKBRTXXA FC741,361-372+
 XD,13-144

2423,201
 3X3' HH

TREE TRIM 100'

TREE TRIM 100'

DATE: 07/28/2022
 TIME: 10:00 AM
 DRAWN BY: J. BROWN
 CHECKED BY: J. BROWN
 SCALE: 1"=100'

SEE SHEET 23

UNITS / ACCT CODES

FS22D	5402
FS43F	348
FS47B	330
FS51	18
FS14A	1

REVISIONS

PROJECT: 5307228
 NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'

C.O. AREA: LAKE BROWNWOOD
 EXCH CODE: 70440
 ENGR: J. BROWN
 CLIENT: BROWN
 FILE: BROWN
 TAX DISTRICT: 10383
 DWG: 22 OF 50
 TWSHIP: SEC.

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

C.O.
0.0

SEE SHEET 22

(2) 4021' 2421.201
144 XA-144 FIBER
LKBRTXXA FC741.361-372+
XD.13-144

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

TREE TRM 170

(2)

TREE TRM 507

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

SEE SHEET 24

UNITS / ACCT CODES

Fp47B

220

REVISIONS

PROJECT: 5307228 C.O. AREA: LAKE BROWNWOOD
NUMBER: 5307228 EXCH CODE: 70440
DRAWN DATE: 07/28/2022 ENGR: CYIENT FILE: BROWN
SCALE: 1"=100' PHONE: N/A TAX DISTRICT: 10363 DWG: 23 OF 50
TWN: SEC. 10

Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FEEDER JOB FC741

SEE SHEET 23

② 4021' 2421.201
144 XA-144 FIBER
LKBRDXXA FC741.361-372+
XD.13-144

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COOPER

② TREE TRIM 70'

② TREE TRIM 50'

② TREE TRIM 30'

SEE SHEET 25

UNITS / ACCT CODES

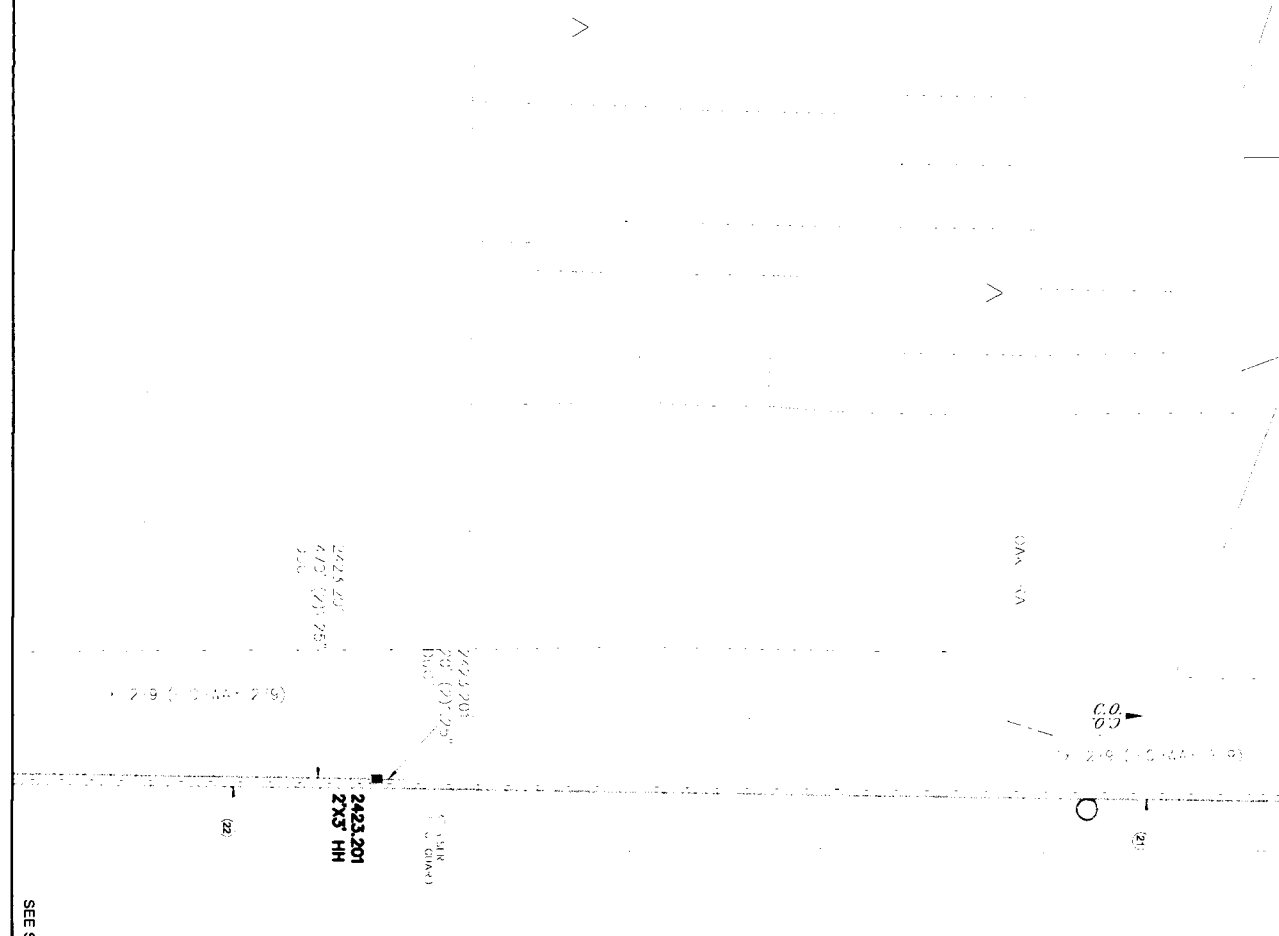
Fp47B 120

REVISIONS

PROJECT NUMBER 5307228
DRAWN DATE ENGR CYIENT FILE
07/28/2022 PHONE: N/A ONY: BROWN
SCALE: 1"=100' TOWNSHIP: RING SEC:
C/O AREA: LAKE BROWNWOOD
EXCH CODE: 70440
DATE: 7/28/22
FILE: BROWN

FEEDER JOB FC741

LAKE BROWNWOOD
COMMUNICATIONS
Frontier



SEE SHEET 24


NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN NEW DUCT.

31) 4021' 2423.201
 144 YA-144 FIBER
 LK8RTXXA FC741.361-372+
 XD.13-144

22) 1469' 2423.201
 144 YA-144 FIBER
 LK8RTXXA FC741.361-372+
 XD.13-144

UNITS / ACCT CODES	
FP43F	1469
FP58B	1
FP59B	490

REVISIONS


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

PROJECT NUMBER: 5307228
 DRAWN DATE: ENGR: CY/ENT
 SCALE: 1"=100' TWSHIP: RING

CO. AREA: LAKE BROWNWOOD
 EXCH. CODE: 7040
 FILE: BROWN
 DATE: 07/28/2022
 PHONE: N/A
 TAX DISTRICT: 10363
 DWG: 25 OF 50
 SEC:

SEE SHEET 26

SEE SHEET 25

2423.201
678' (2)' 250'

2423.201
898' (2)' 250'

2423.201
625' (2)' 250'

60

25

2423.201
2X3' HH

2423.201
3X3' HH

(2) 1469' 2423.201
144 XA-144 FIBER
LKBRDXA FC741.361-372+
XD.13-144

NOTE:
PLACE BURIED FIBER CABLES IN NEW
DUCT.

2423.201
BE PLACED BY 5307228
DATE 07/28/2022
DRAWN BY 10863 DMG
SCALE 1"=100' RWG

UNITS / ACCT CODES

Fp588 1
Fp598 690

REVISIONS



LAKE BROWNWOOD
FEEDER JOB FC741

PROJECT: C/O AREA LAKE BROWNWOOD
NUMBER: 5307228 EXCH CODE: 7040
DRAWN DATE: ENGR: CYIENT FILE: BROWN
07/28/2022 PHONE: N/A FAX DISTRICT: 10863 DMG 26 OF 50
SCALE: 1"=100' RWG TOWNSHIP: SEC:

SEE SHEET 50

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN NEW DUCT.

PLAN VIEW (PLAN VIEW A & B)

1381' 2421.201
 144 XA-144 FIBER
 LKBR1XXA FC741.373-396+
 XD.25-144

1172' 2423.201
 144 XA-144 FIBER
 LKBR1XXA FC741.373-396+
 XD.25-144

2423.201
 2X5' HH

2423.201
 2X5' HH

SEE SHEET 22

UNITS / ACCT CODES	
FP43F	1172
FP58B	1
FP59B	825

REVISIONS

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228
 DRAWN/DATE: ENGR: N/A
 SCALE: 1"=100'
 TOWNSHIP: R1NG

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 CLIENT: CNYT
 FILE: BROWN
 TAX DISTRICT: 10953
 DWG: 27 OF 50
 SEC:



FEEDER JOB FC741

TREE TRIM 100'

TREE TRIM 140'

TREE TRIM 25'

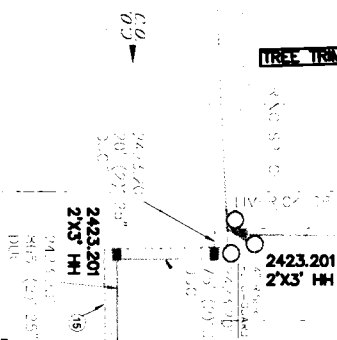
TREE TRIM 120'

TREE TRIM 120'

SEE SHEET 50

- (15) 1172' 2423.201
144 XA-144 FIBER
LKBRTXXA FC741,373-396+
XD,25-144
- (16) 4081' 2421.201
144 XA-144 FIBER
LKBRTXXA FC741,373-378+
XD,7-144
- (18) 1304' 2421.201
144 XA-144 FIBER
XD,1-6+
LKBRTXXA FC741,379-396+
XD,25-144

NOTE:
1. OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER
2. PLACE BURIED FIBER CABLES IN
NEW DUCT.



SEE SHEET 27

UNITS / ACCT CODES

FP22D	5395
FP47B	505
FP58B	2
FP59B	95
FS30	12
FS14A	1

REVISIONS

PROJECT: C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5307228 EXCH CODE: 7044D
 DRAWN DATE: ENGR: CYIENT
 07/28/2022 PHONE: N/A FILE: BROWN
 SCALE: 1"=100' TAX DISTRICT: 10363 DWG: 28 OF 50
 TWSHP: RNC: SEC:



(16) 4081' 2421.201
144 XA-144 FIBER
LIBERTYXIA FC741,373-378+
XD.7-144

CONV. G.A.S. 357' (MIN. V.A.A. A. N.3)

TREE TRIM 50'

TREE TRIM 150'

TREE TRIM 25'

TREE TRIM 25'

TREE TRIM 50'

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

SEE SHEET 28

PROJECT: 5307228
NUMBER: 5307228
DRAWN DATE: 07/28/2022
SCALE: 1"=100'
C.O. AREA: LAKE BROWNWOOD
EXCH. CODE: 70440
CLIENT: BROWN
CITY: BROWN
FILE: BROWN
TAX DISTRICT: 10983
DWG: 29
SEC: 50

Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FEEDER JOB FC741

REVISIONS

UNITS / ACCT CODES

Fp47B

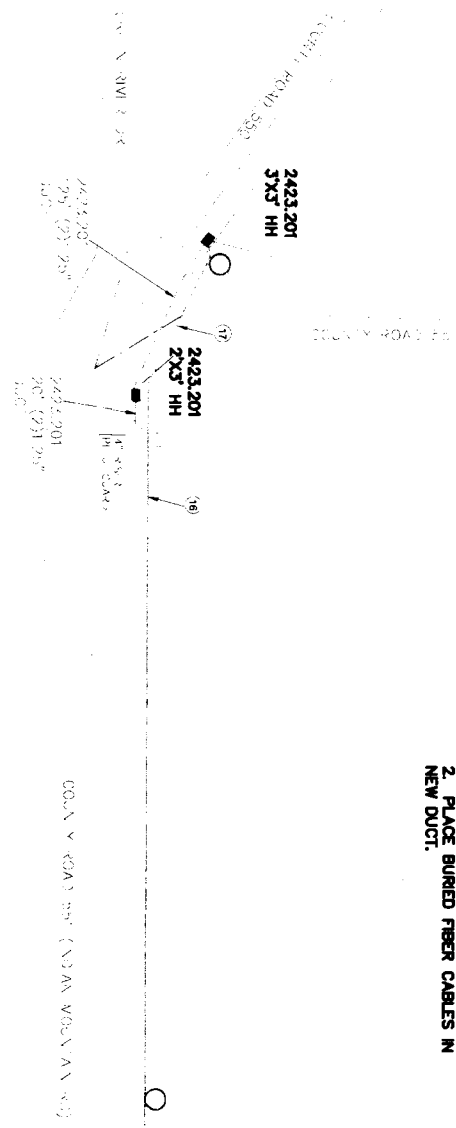
340

2423.201 3X3' HH
 2423.201 2X3' HH
 2423.201 3X3' HH
 2423.201 2X3' HH

(16) 4081' 2423.201
 144 YA-144 FIBER
 LKBRTXXA FC741,373-378+
 XD,7-144

(17) 314' 2423.201
 144 YA-144 FIBER
 LKBRTXXA FC741,373-378+
 XD,7-144

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN
 NEW DUCT.



SEE SHEET 29

UNITS / ACCT CODES	
FP93F	314
FP58B	1
FP59B	145

REVISIONS

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228
 DRAWN/DATE: ENGR. C/IENT
 07/29/2022 PHONE: N/A
 SCALE: 1"=100' TAX DISTRICT: 10963 DWG: 30 OF 50
 TOWNSHIP: RING SEC.



AK-W-001-15

C-WA-2-2

(34) 2423.201
 5X3 HH

1056' 2421.201
 432 XA-432 FIBER
 LKBRTXXA FC741.1-330+
 XD.331-432

DIRET. TRM. 4007

DIRET. TRM. 1007

DIRET. TRM. 1157

SEE SHEET 32

(35) 1056' 2421.201
 432 XA-432 FIBER
 LKBRTXXA FC741.1-330+
 XD.331-432

(36) 116' 2423.201
 432 XA-432 FIBER
 LKBRTXXA FC741.1-312+
 XD.313-432

(37) 4087' 2421.201
 432 XA-432 FIBER
 LKBRTXXA FC741.1-312+
 XD.313-432

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN
 NEW DUCT.

SEE SHEET 20

UNITS / ACCT CODES

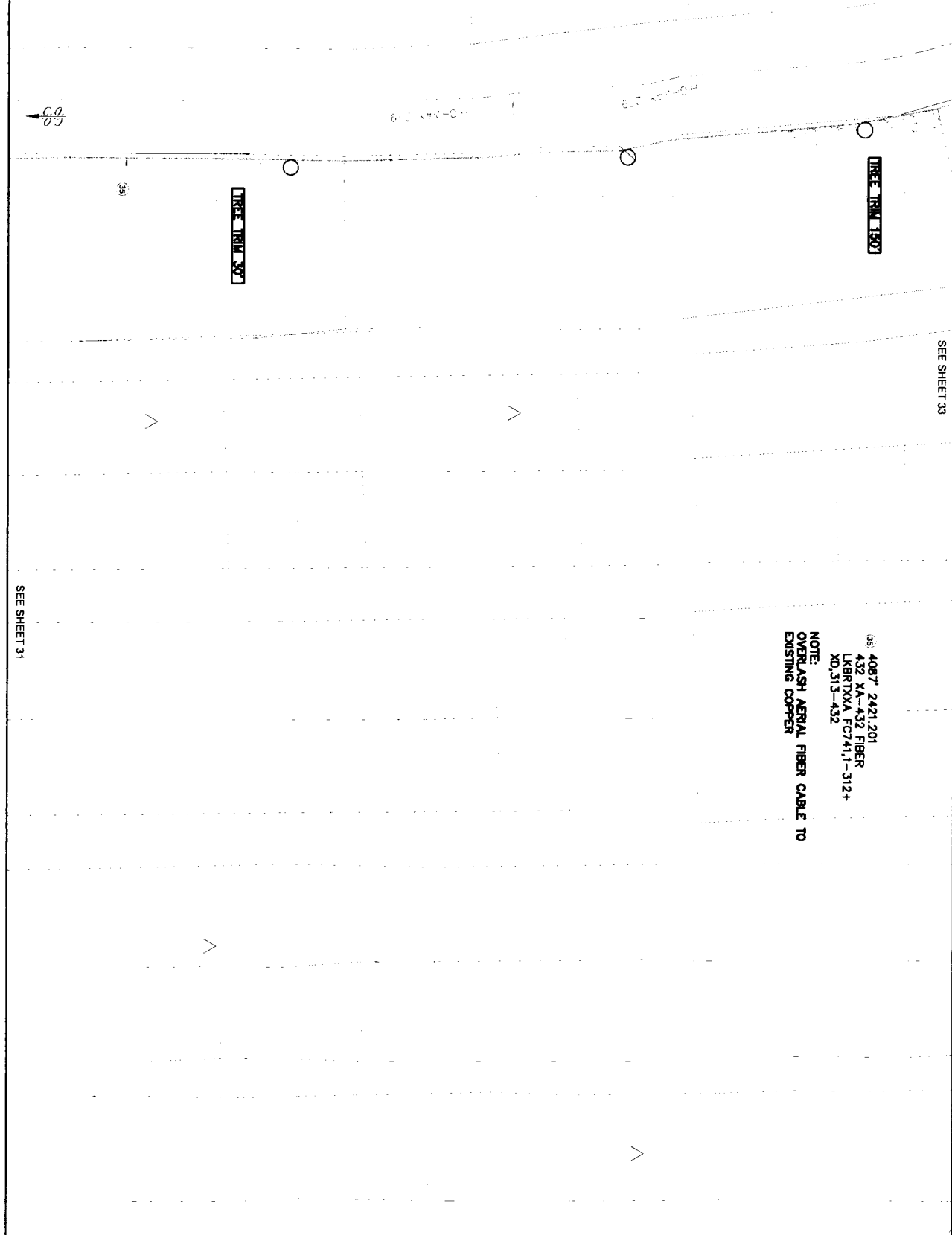
FP22D	4087
FP43F	232
FP47B	615
FP99B	20

REVISIONS

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228
 DRAWN: ENGR. C/IENT
 DATE: 07/28/2022
 PHONE: N/A
 SCALE: 1"=100'
 TWSHIP: RING

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 CLIENT: C/IENT
 FILE: BROWN
 DWG: 31 OF 50
 SEC:





SEE SHEET 33

(35) 4087' 2421.201
 432 XA-432 FIBER
 LKBR1XXA FC741.1-312+
 XD.313-432
 NOTE:
 OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER

SEE SHEET 31

UNITS / ACCT CODES	
FP41/B	180

REVISIONS	

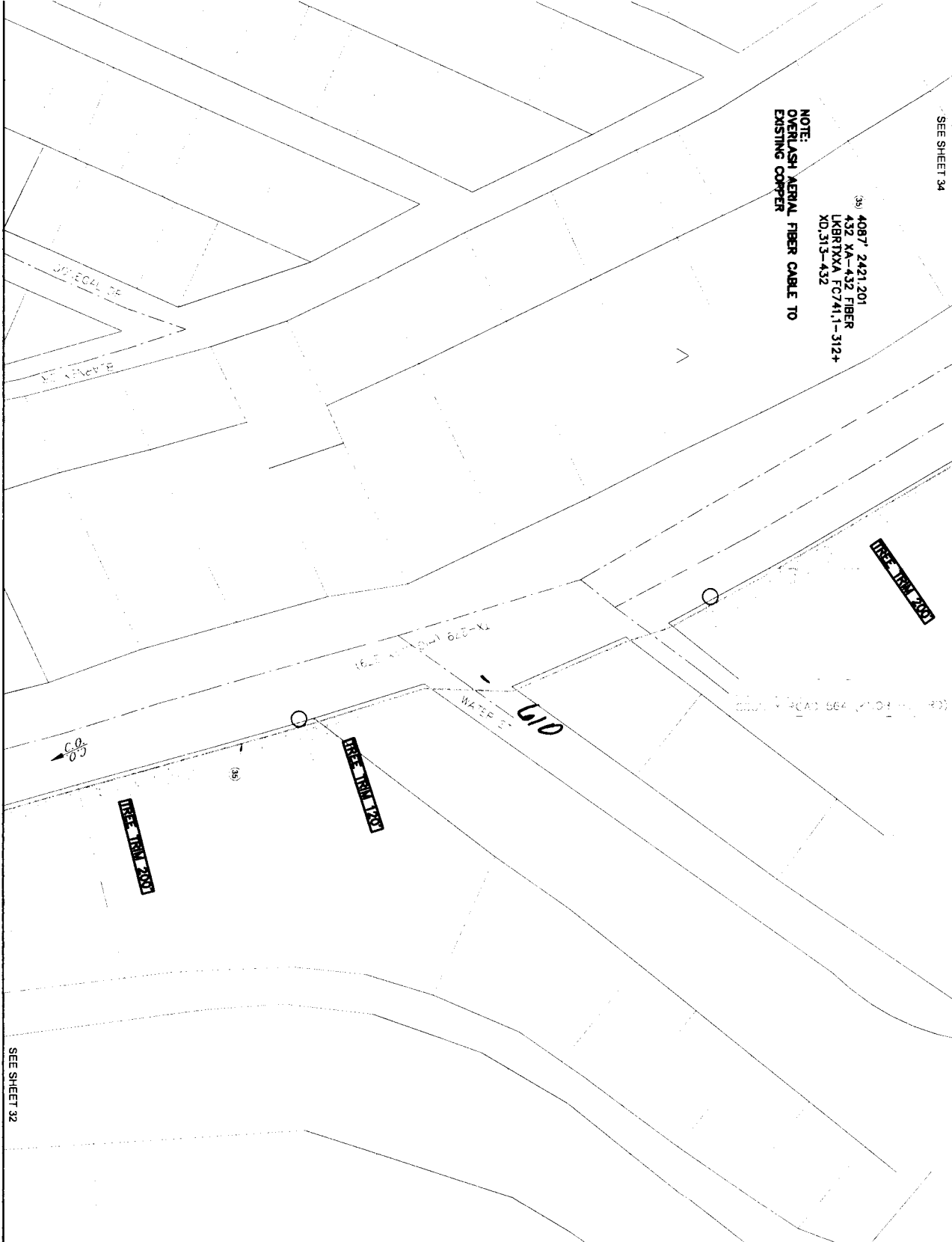
Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

PROJECT: 5307228 C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5307228 EXCH. CODE: 70440
 DRAWN DATE: ENGR: CYIENT
 07/28/2022 PHONE: N/A FILE: BROWN
 SCALE: 1"=100' TAX DISTRICT: 10363 DWG: 32 OF 50
 TNSHP: SEC.

SEE SHEET 34

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COMPILER

(35) 4087' 2421.201
432 XA-432 FIBER
LKBRTXXA FC741.1-3124
XD.313-432



SEE SHEET 32

UNITS / ACCT CODES

FP47B

520

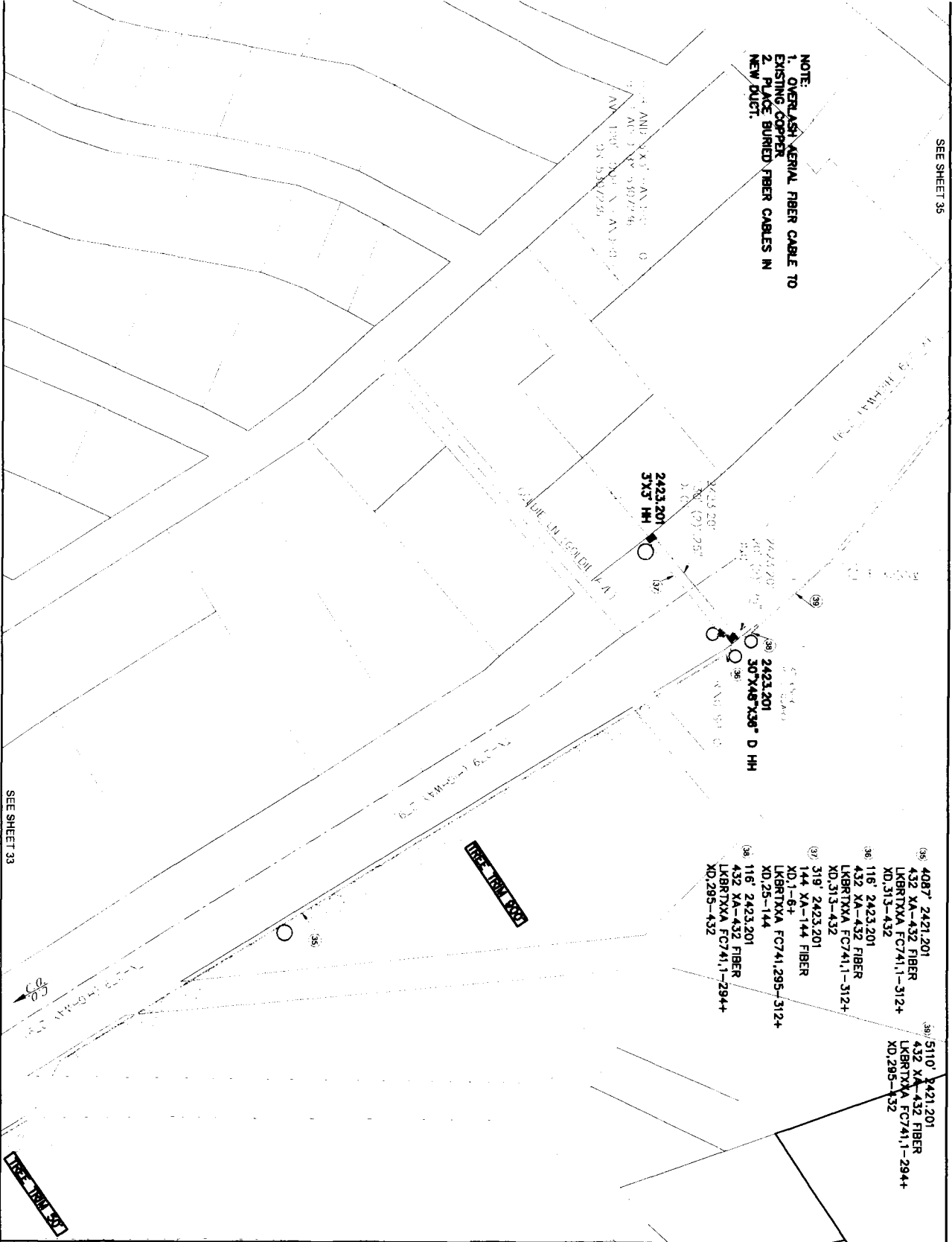
REVISIONS

PROJECT: 5307228
 NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'
 TOWNSHIP: RNG

CO. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 CLIENT: BROWN
 FILE: BROWN
 DWG: 33 OF 50
 SEC:

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN NEW DUCT.



- (36) 408' 2421,201
432 XA-432 FIBER
LKBRITXA FC741,1-312+
XD,313-432
- (36) 116' 2423,201
432 XA-432 FIBER
LKBRITXA FC741,1-312+
XD,313-432
- (37) 319' 2423,201
144 XA-144 FIBER
LKBRITXA FC741,295-312+
XD,25-144
- (36) 116' 2423,201
432 XA-432 FIBER
LKBRITXA FC741,1-294+
XD,295-432
- (36) 5110' 2421,201
432 XA-432 FIBER
LKBRITXA FC741,1-294+
XD,295-432

SEE SHEET 33

SEE SHEET 32

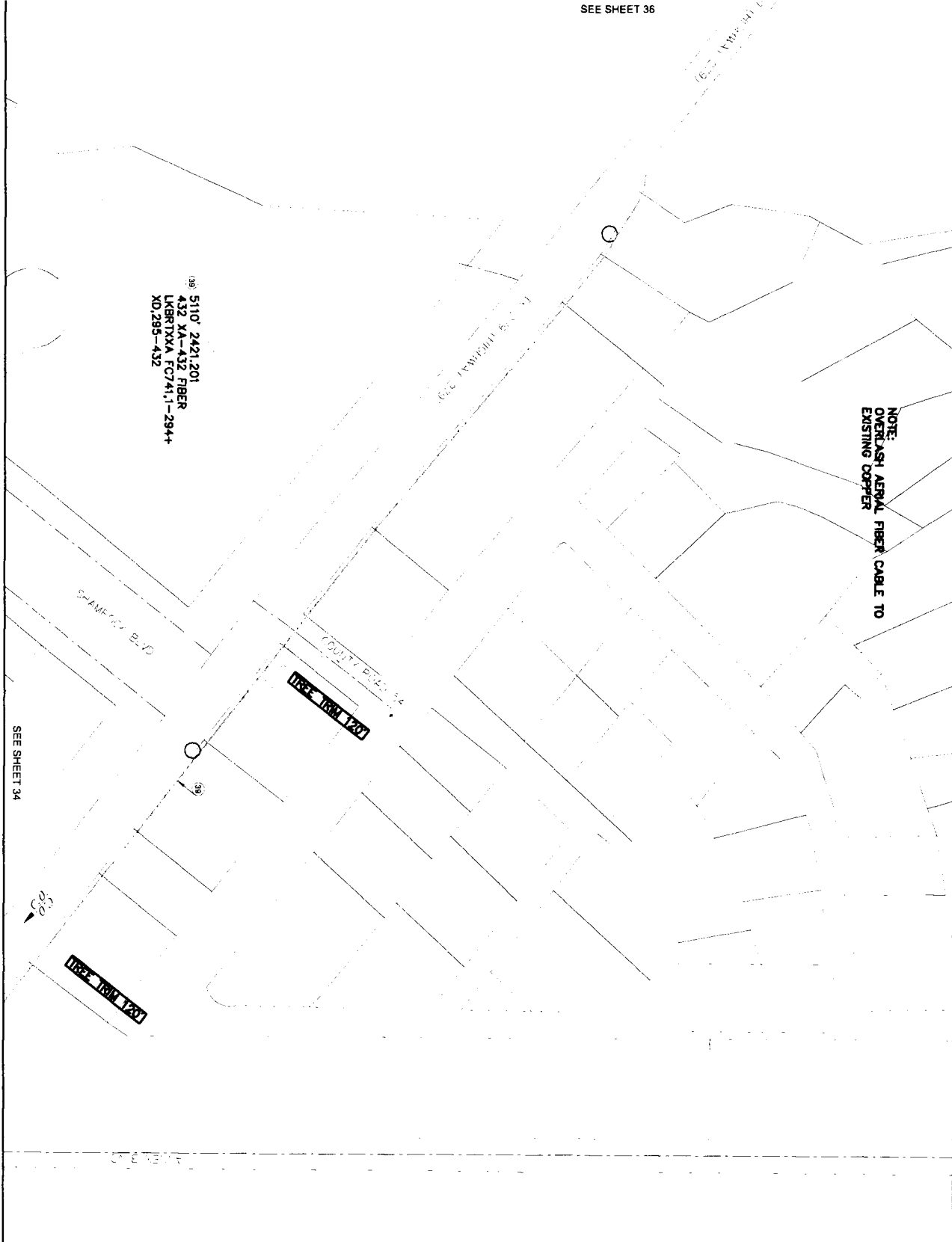
UNITS / ACCT CODES	
FR22D	5110
FP43F	551
FP47B	950
FP58D	1
FP58B	150
FSS1	18
FS14A	1

REVISIONS	

FRONTIER COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741	
PROJECT NUMBER: 5307228 DRAWN DATE: 07/28/2022 SCALE: 1"=100' TNSHP:	C.O. AREA: LAKE BROWNWOOD EXCH. CODE: 7044D ENGR: CYIENT PHONE: N/A TAX DISTRICT: 10363 DWG: 34 OF 50 FILE: BROWN SEC:

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

5110' 2421.201
432 YA-432 FIBER
LKRTYXA FC741.1-2944
XD.295-432



SEE SHEET 34

UNITS / ACCT CODES

Fp47B 240

REVISIONS

PROJECT NUMBER: 5307228
DRAWN DATE: ENGR: 07/28/2022
SCALE: 1"=100'
TOWNSHIP: RING: SEC: 35 OF 50

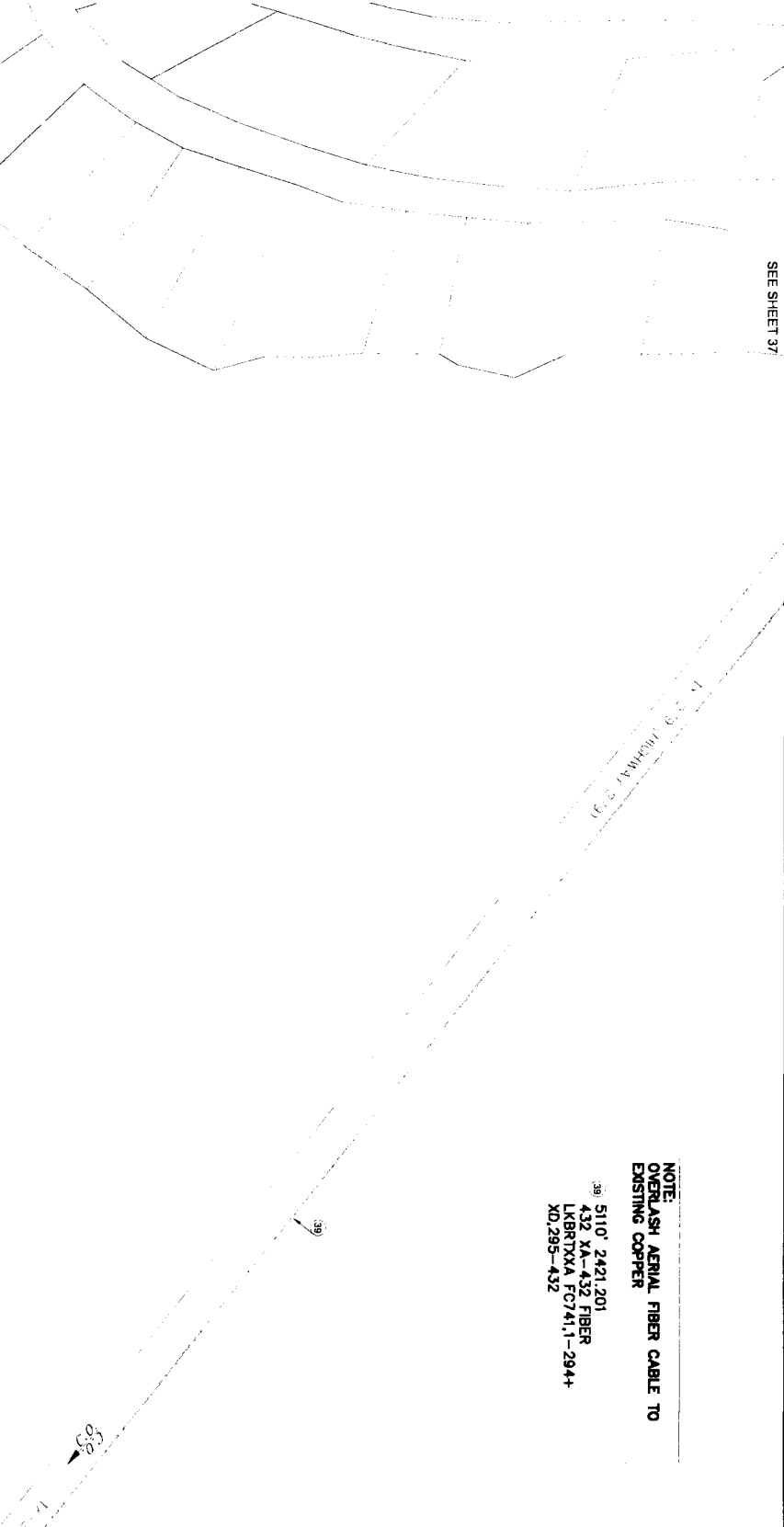
Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FEEDER JOB FC741

C.O. AREA: LAKE BROWNWOOD
EXCH. CODE: 70440
CLIENT: BROWN
FILE: BROWN
TAX DISTRICT: 10363
DWG: 35 OF 50

SEE SHEET 37

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

39 5110' 2421.201
432 XA-432 FIBER
LKBRTXXA FC741.1-2944
XD.295-432



SEE SHEET 35

REVISIONS

.....
Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FEEDER JOB FC741

PROJECT: 5307228 C.O. AREA: LAKE BROWNWOOD
NUMBER: 5307228 EXCH. CODE: 70440
DRAWN DATE: ENGR: C/IENT FILE: BROWN
07/28/2022 PHONE: N/A TAX DISTRICT: 10363 DWG: 36 OF 50
SCALE: 1"=100' TNSHP: RING SEC



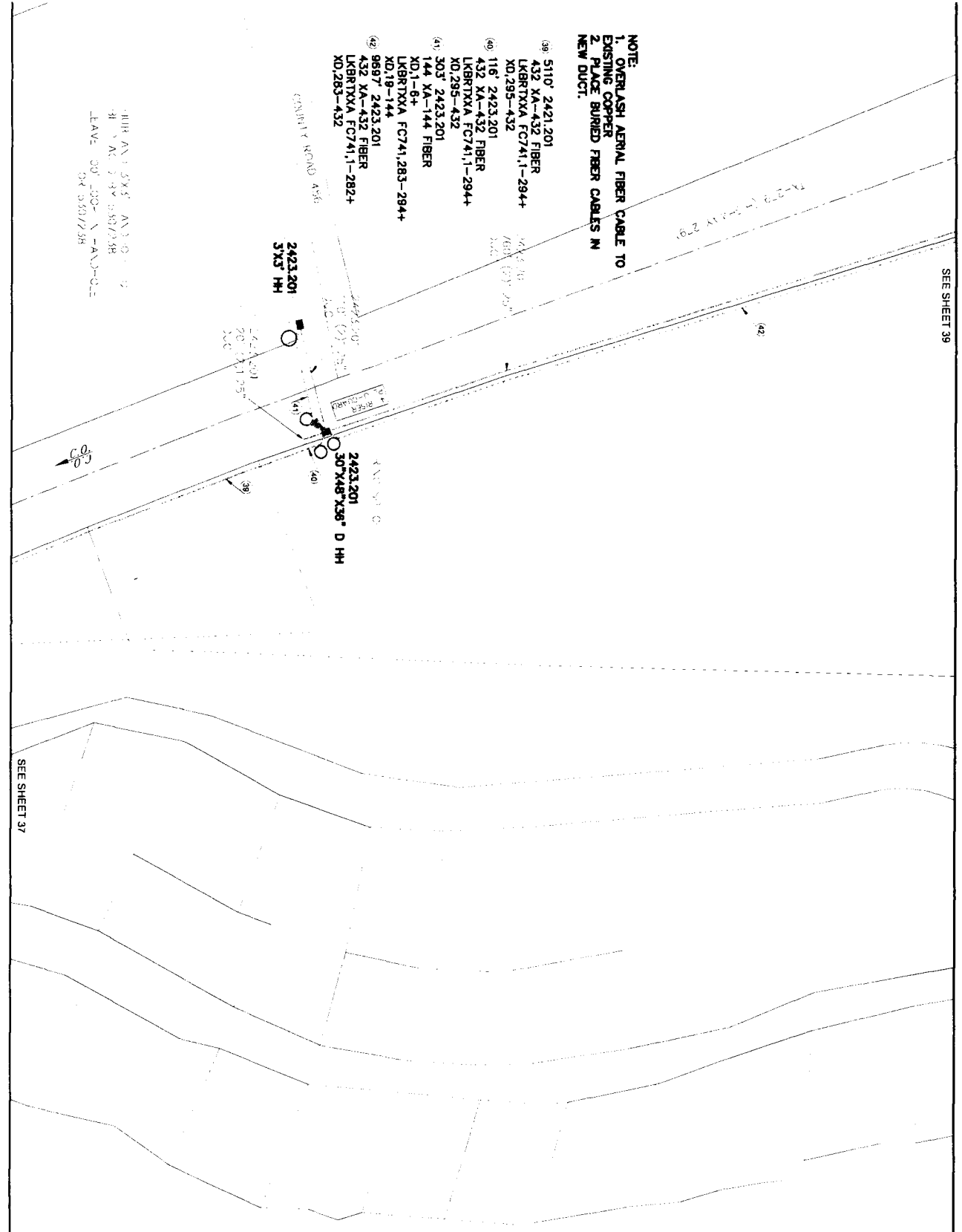
NOTE:
 OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER
 (39) 5110' 2421.201
 432 XA-432 FIBER
 LKBR7XA FC741.1-2944
 X0.295-432

<p>UNITS / ACCT CODES</p> <p>FP47B 530</p>	
<p>REVISIONS</p>	
<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741</p>	
<p>PROJECT NUMBER: 5307228 DRAWN DATE: ENGR: N/A SCALE: 1"=100'</p>	<p>C.O. AREA: LAKE BROWNWOOD EXCH. CODE: 70440 CLIENT: CNTY BROWN FILE: FC741 TAX DISTRICT: 10963 DWG: 37 OF 50 TWSHIP: RING</p>

SEE SHEET 39

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN NEW DUCT.

- (39) 5110' 2421.201
 432 XA-432 FIBER
 LKBR7XXA FC741.1-294+
- (40) 116' 2423.201
 432 XA-432 FIBER
 LKBR7XXA FC741.1-294+
- (41) 303' 2423.201
 144 XA-144 FIBER
 LKBR7XXA FC741.283-294+
- (42) 9697' 2423.201
 432 XA-432 FIBER
 LKBR7XXA FC741.1-292+



UNITS / ACCT CODES	
FP43F	10716
FP58D	1
FP58B	890
FSS0	12
FS14A	1

REVISIONS

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

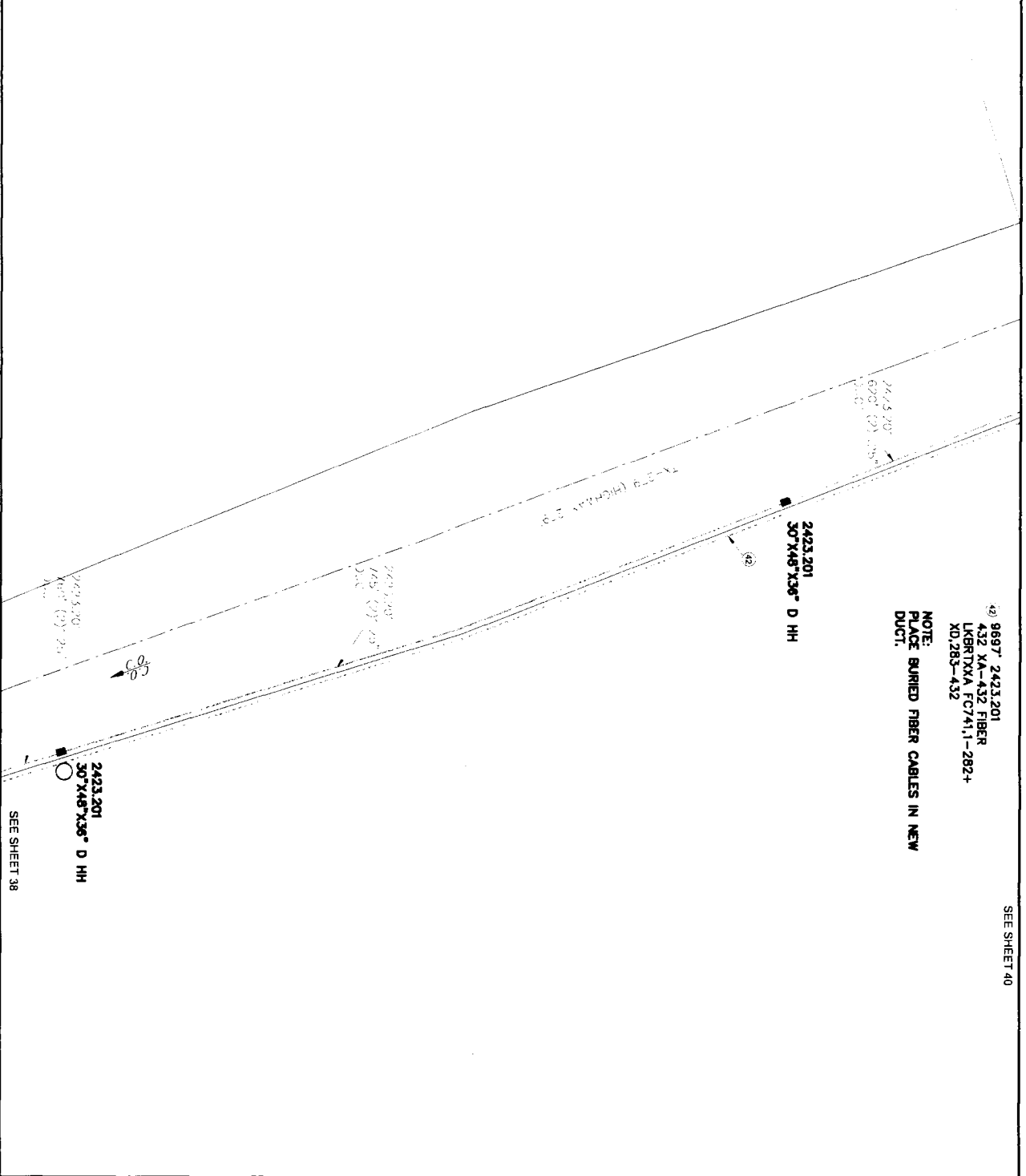
PROJECT NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100' RWG

C.O. AREA: LAKE BROWNWOOD
 EXCH CODE: 7040
 CLIENT: BROWN
 FILE: BROWN
 DWG: 38 OF 50

9897' 2423,201
 432 XA-432 FIBER
 LKBR1XXA FC741,1-282+
 XD,283-432

NOTE:
 PLACE BURIED FIBER CABLES IN NEW
 DUCT.

SEE SHEET 40

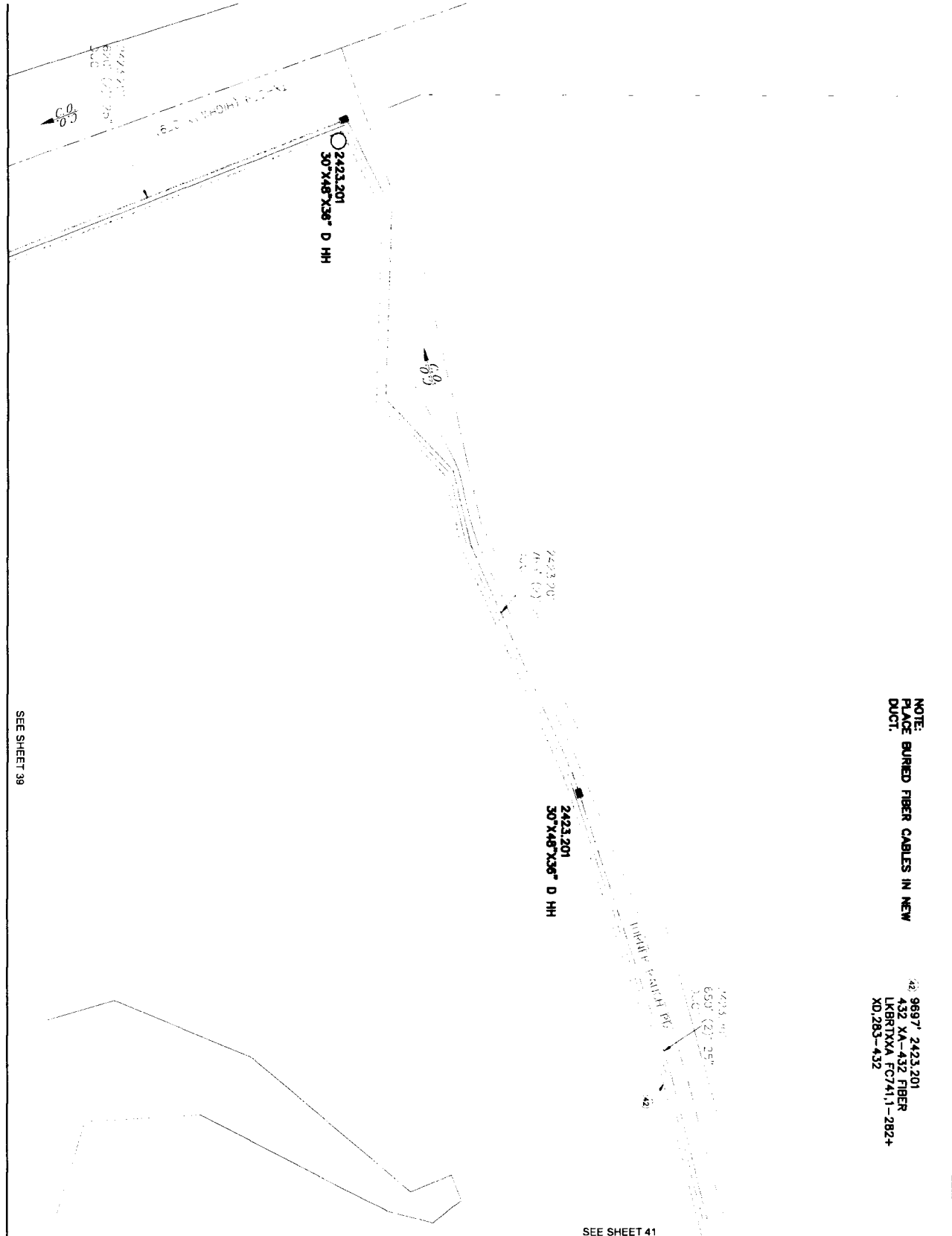


UNITS / ACCT CODES	
FP58D	2
FP59B	1369

REVISIONS

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228
 DRAWN DATE: 07/29/02
 SCALE: 1"=100'
 C.O. AREA: LAKE BROWNWOOD
 EXCH CODE: 70440
 ENGR: N/A
 CLIENT: BROWN
 TAX DISTRICT: 10983
 DWG: 39
 OF: 50
 TNSHP: SEC.





NOTE:
PLACE BURIED FIBER CABLES IN NEW
DUCT.

42 9697' 2423.201
432 XA-432 FIBER
LKBRTXVA FC741.1-282+
XD.283-432

SEE SHEET 41


SEE SHEET 39

UNITS / ACCT CODES

FP58D 2
FP59B 1415

REVISIONS

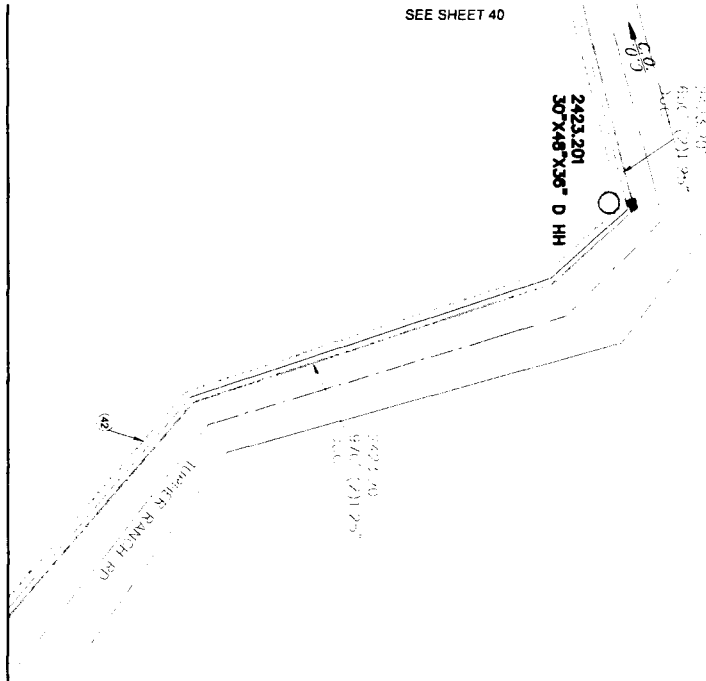
NO.	DATE	BY	DESCRIPTION


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

PROJECT: 5307228 C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5307228 EXCH CODE: 70440
 DRAWN DATE: 07/29/2022 ENGR: N/A CLIENT: BROWN
 SCALE: 1"=100' TAX DISTRICT: 10383 DWG: 40 OF 50
 TOWNSHIP: RING SEC:

42 9697' 2423.201
 432 XA-432 FIBER
 LIBERTXIA FC741,1-282+
 XD.283-432

NOTE: BURIED FIBER CABLES IN NEW
 DUCT.



SEE SHEET 42

UNITS / ACCT CODES

FP98D	1
FP98B	970

REVISIONS

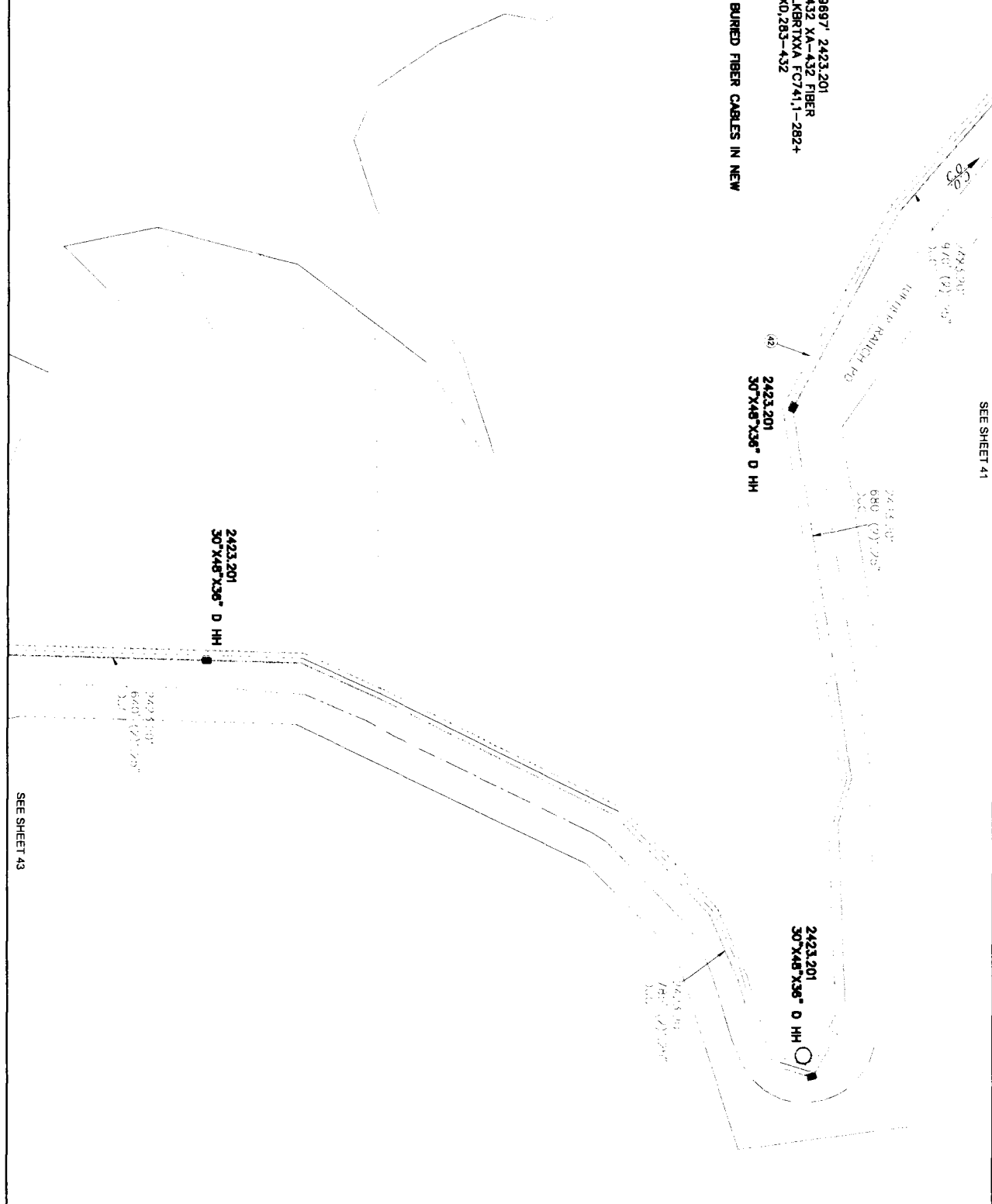
Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228
 C.O. AREA: LAKE BROWNWOOD
 DRAWN DATE: ENGR: CYIENT EXCH CODE: 70440
 07/28/2022 PHONE: N/A FILE: BROWN
 SCALE: 1"=100' TAX DISTRICT: 10969 DWG: 41 OF 50
 TNSHP: RING SEC.

NOTE: PLACE BURIED FIBER CABLES IN NEW DUCT.

42 9897' 2423.201
 432 YA-432 FIBER
 LKBR1XKA FC741.1-282+
 X0.283-432

SEE SHEET 41




SEE SHEET 43

UNITS / ACCT CODES

FP58D	3
FP58B	2105

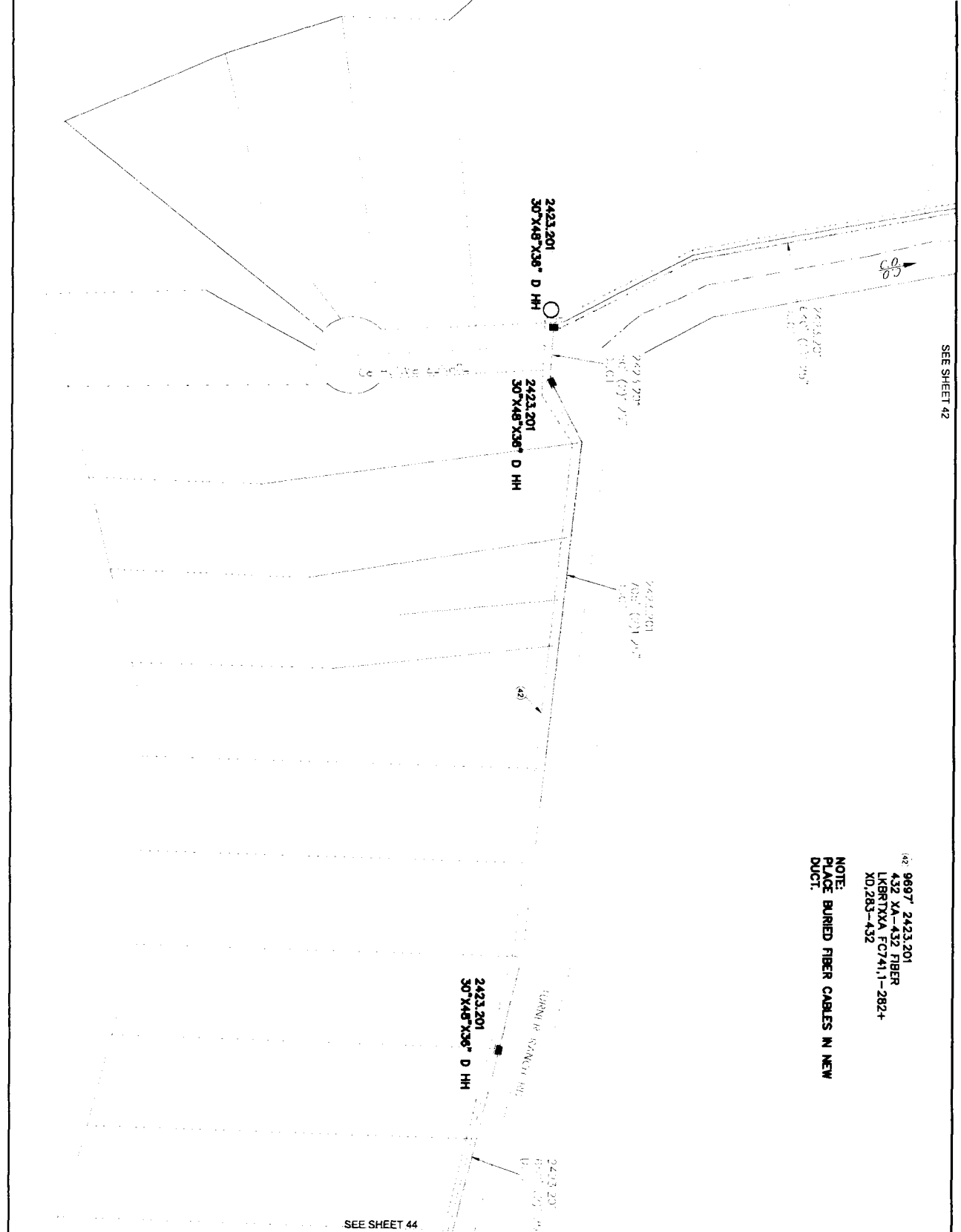
REVISIONS



Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

PROJECT: 5307228 C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5307228 EXCH CODE: 70440
 DRAWN DATE: ENGR: CYLENT FILE: BROWN
 07/28/2022 PHONE: N/A TAX DISTRICT: 10383 DWG: 42 OF 50
 SCALE: 1"=100' TOWNSHIP: SEC:

SEE SHEET 42



9897' 2423,201
 432 XA-432 FIBER
 LKBR7XKA FC/41,1-282+
 XD,283-432

NOTE:
 PLACE BURIED FIBER CABLES IN NEW
 DUCT.


SEE SHEET 44

UNITS / ACCT CODES

FP98D 3

FP99B 1405

REVISIONS


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

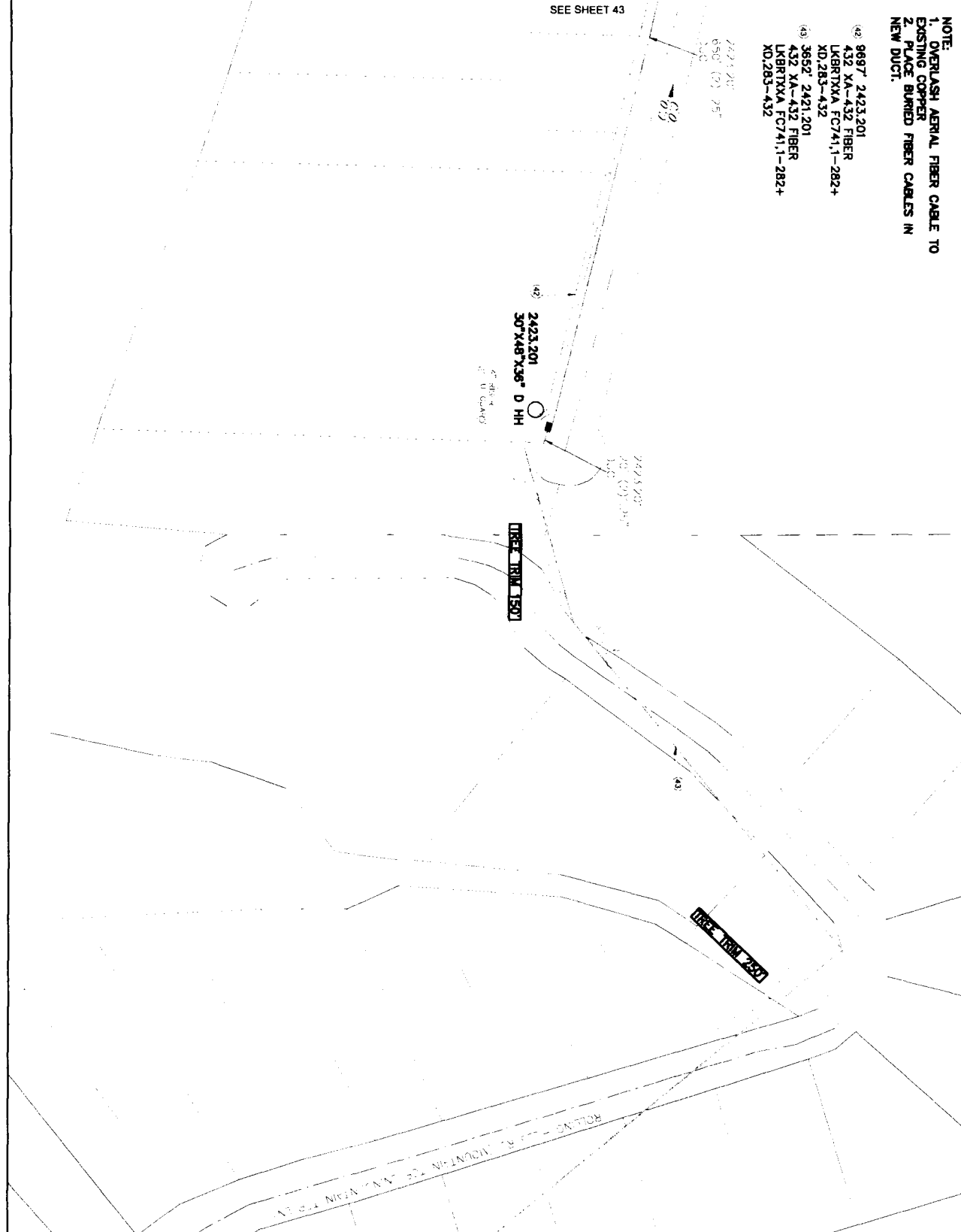
PROJECT: 5307228 C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5307228 EXCH. CODE: 70440
 DRAWN DATE: ENGR: CLIENT: FILE: BROWN
 07/28/2022 PHONE: N/A TAX DISTRICT: 7083 DWG: 43 OF 50
 SCALE: 1"=100' RING: SEC:

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN NEW DUCT.

(42) 9897' 2423.201
 432 XA-432 FIBER
 LKBR7XVA FC741.1-282+
 XD.283-432

(43) 3652' 2421.201
 432 XA-432 FIBER
 LKBR7XVA FC741.1-282+
 XD.283-432


SEE SHEET 43



SEE SHEET 45

UNITS / ACCT CODES	
FP22D	3652
FP47B	400
FP58D	1
FP99B	20

REVISIONS	

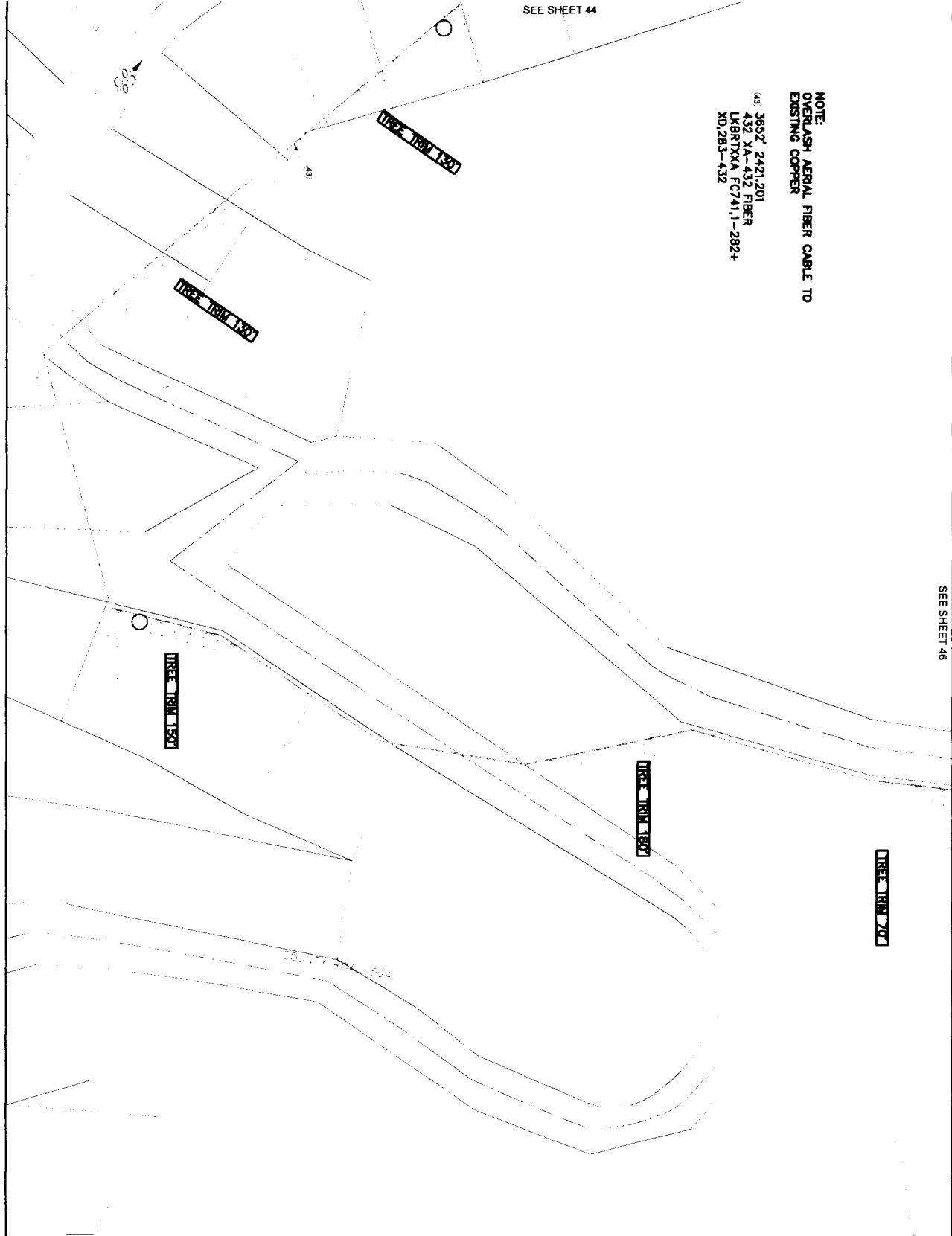

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

PROJECT NUMBER: 5307228
 C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 DRAWN DATE: ENGR. CLIENT: NVA
 FILE: BROWN
 07/28/2022 PHONE: N/A
 TAX DISTRICT: 10363 DWG: 44 OF 50
 SCALE: 1"=100' RING: SEC: TOWNSHIP:

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

3652' 2421.201
432' YA 432' FIBER
LBR7MA FC7411-2824
XD/283-432

SEE SHEET 46

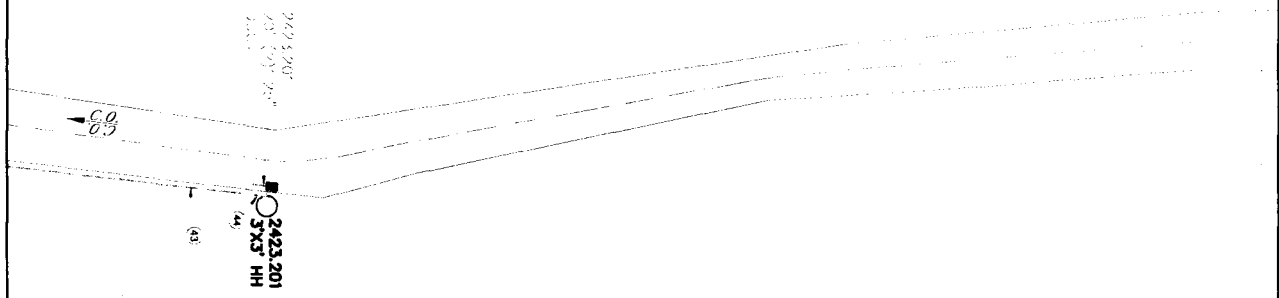


<p>UNITS / ACCT CODES</p> <p>Fp47B 660</p>	
<p>REVISIONS</p>	
<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FEEDER JOB FC741</p>	
<p>PROJECT NUMBER: 5307228 DRAWN DATE: 07/28/2022 SCALE: 1"=100'</p>	<p>C.O. AREA: LAKE BROWNWOOD EXCH CODE: 70440 CITY: BROWN COUNTY: BROWN PHONE: N/A TAX DISTRICT: 10363 DWG: 45 OF 50 SEC: 10</p>

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN
 NEW DUCT.

43 3652' 2421.201
 432 YA-432 FIBER
 LKBRTXA FC7411-282+
 XD,283-432

44 171' 2423.201
 432 YA-432 FIBER
 LKBRTXA FC7411-282+
 XD,283-432



UNITS / ACCT CODES

FP43F	116
FP59B	20

REVISIONS

Frontier
 COMMUNICATIONS

LAKE BROWNWOOD
 FEEDER JOB FC741

PROJECT NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 ENGR: CYIENT
 PHONE: N/A
 TAX DISTRICT: 10363
 DWG: 46 OF 50
 TNSHIP: SEC.

SEE SHEET 48

TREE TRIM 100'

TREE TRIM 210'

TREE TRIM 60'

TREE TRIM 60'

TREE TRIM 45'

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN
 NEW DUCT.

- 24 484' 2421.201
 144 XA-144 FIBER
 XD,1-6+
 LKBRTXKA FC741,331-360+
- 25 176' 2423.201
 144 XA-144 FIBER
 XD,1-6+
 LKBRTXKA FC741,331-360+
- 26 1986' 2421.201
 144 XA-144 FIBER
 XD,1-6+
 LKBRTXKA FC741,331-360+

SEE SHEET 20

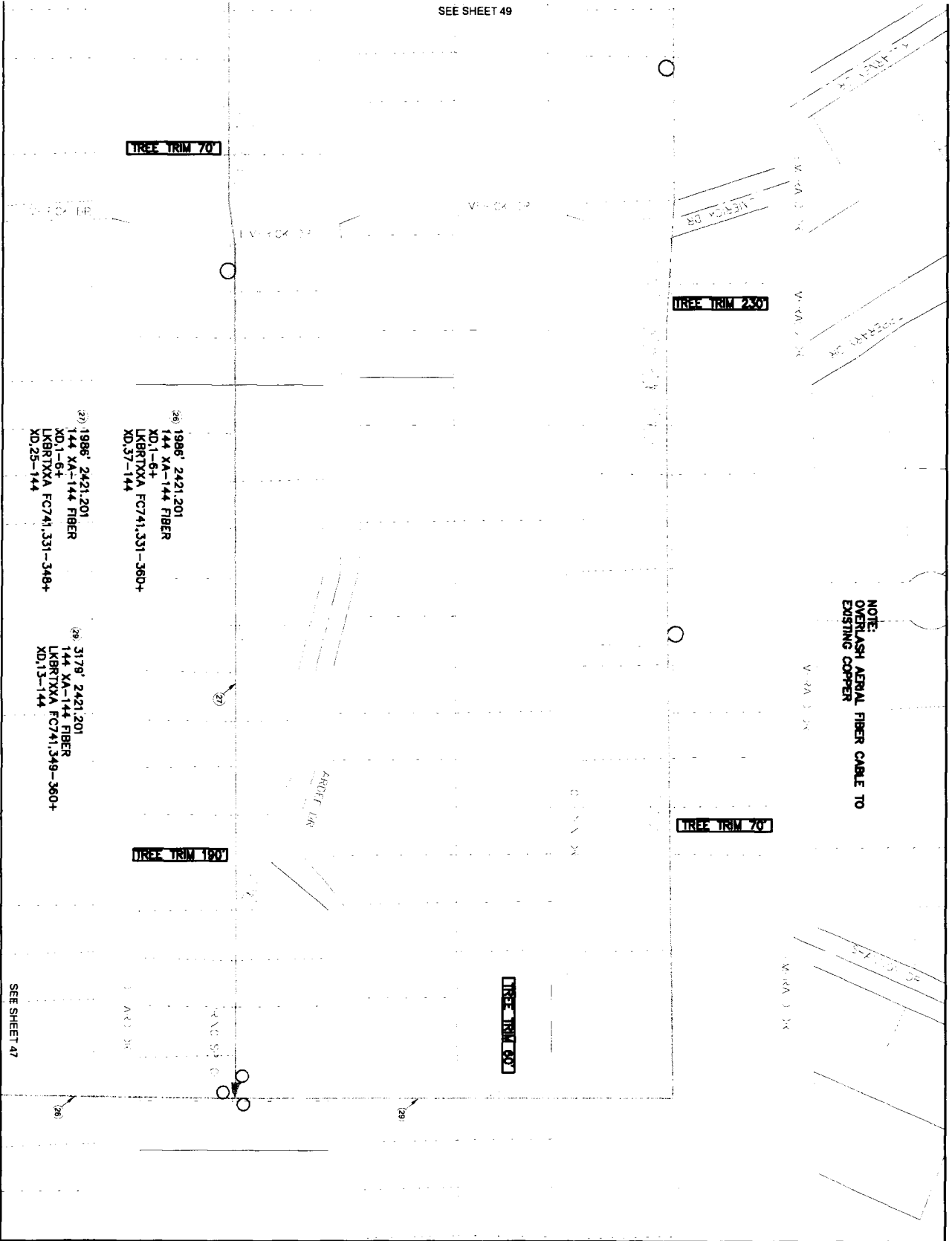
SEE SHEET 31

UNITS / ACCT CODES	
FP220	1986
FP43F	176
FP47B	415
FP58B	2
FP59B	90

REVISIONS

PROJECT: C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5307228 EXCH. CODE: 704D
 DRAWN: DATE: ENGR: CYIENT FILE: BROWN
 07/29/2022 PHONE: N/A DISTRICT: 10383 DWG: 47 OF 50
 SCALE: 1"=100' TNSHP: RING SEC.





NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

(26) 1986' 2421,201
144 XA-144 FIBER
XO,1-6+
LKBRTXXA FC741,331-360+
XO,37-144

(26) 3179' 2421,201
144 XA-144 FIBER
XO,13-144
LKBRTXXA FC741,349-360+

SEE SHEET 47

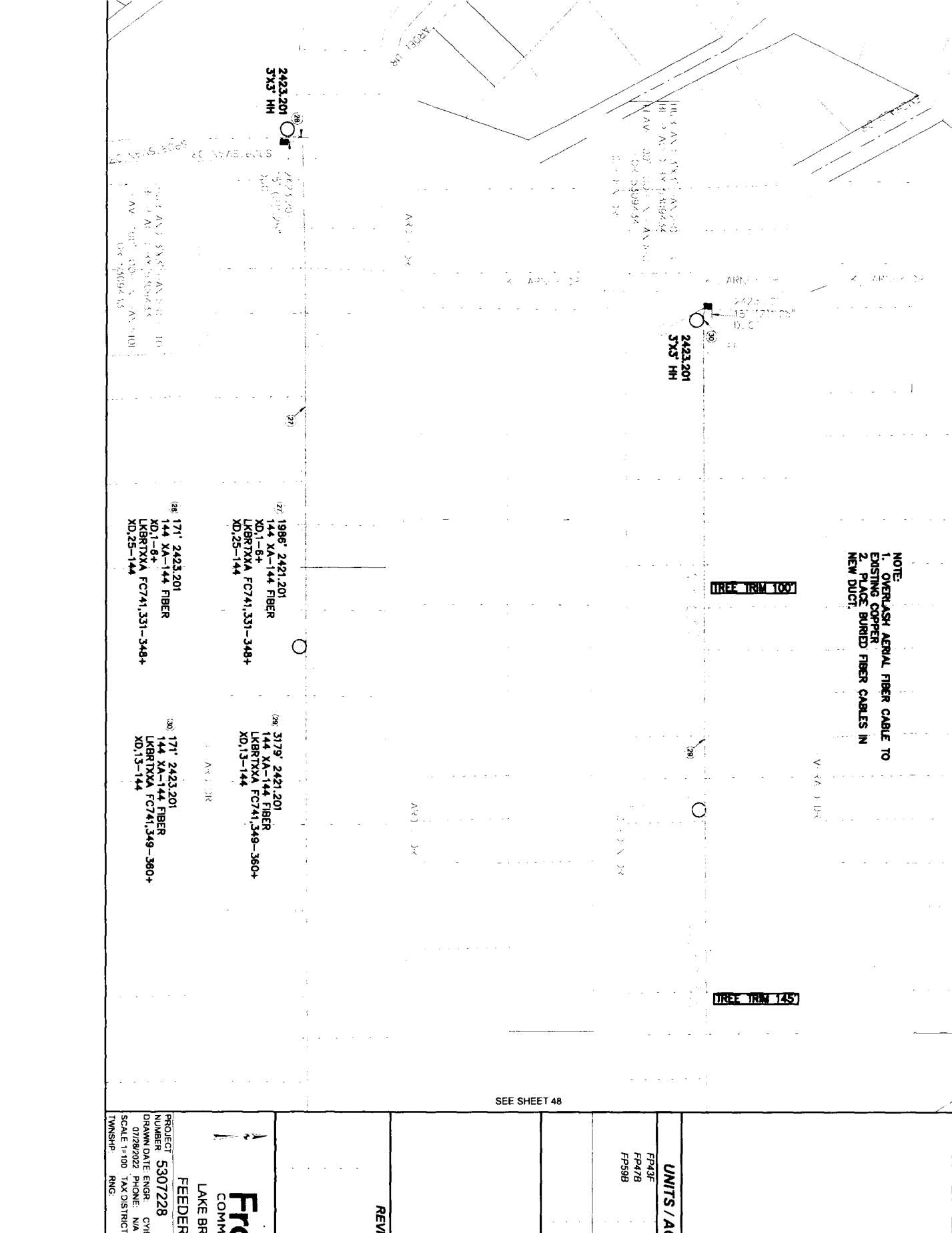
UNITS / ACCT CODES	
FP22D	5973
FP41B	620
FSS1	18
FS14A	1

REVISIONS	

<p>PROJECT: FEEDER JOB FC741 NUMBER: 5307228 DRAWN DATE ENGR: C/IENT 07/28/2022 PHONE: N/A SCALE 1-1/8" = 100' TAX DISTRICT: 10363 DWG: 48 OF 50 TWSHP: RING</p>	<p>C.O. AREA: LAKE BROWNWOOD EXCH CODE: 7044D FILE: BROWN</p>
---	---



LAKE BROWNWOOD
FEEDER JOB FC741



NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER.
 2. PLACE BURIED FIBER CABLES IN NEW DUCT.

SEE SHEET 48

UNITS / ACCT CODES	
FP43F	342
FP47B	245
FP59B	30

REVISIONS

Frontier

 COMMUNICATIONS

LAKE BROWNWOOD
 FEEDER JOB FC741

PROJECT: 5307228
 NUMBER: 5307228
 DRAWN DATE: 07/28/2022
 SCALE: 1"=100'
 TOWNSHIP: RING

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 ENGR: CYRIL BROWN
 PHONE: N/A
 TAX DISTRICT: 10983
 FILE: BROWN
 DWG: 48 OF 50

(18) 1304' 2421,201
 144 XA-144 FIBER
 XD1-6+
 LKBRTXXA FC741,379-396+
 XD,25-144

(19) 171' 2423,201
 144 XA-144 FIBER
 XD1-6+
 LKBRTXXA FC741,379-396+
 XD,25-144

2423,201
 3X3" HH (18)
 2423,201
 3X3" HH (18)
 2423,201
 3X3" HH (18)

NOTE:
 1. OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER
 2. PLACE BURIED FIBER CABLES IN
 NEW DUCT.

SEE SHEET 28

SEE SHEET 27

UNITS / ACCT CODES

FP43F 171
 FP59B 15

REVISIONS

PROJECT: LAKE BROWNWOOD
 NUMBER: 5307228 EXCH CODE: 7040
 DRAWN DATE: ENGR: CYIENT CMTY: BROWN
 07/29/2022 PHONE: N/A FILE:
 SCALE: 1"=100' TALK DISTRICT: 10863 DWG: 50 OF 50
 TWSHP: RING SEC:

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FEEDER JOB FC741

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 09/08/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried x or aerial x water fiber optic cable x telephone electric gas line within the right-of-way and/or across a county road in Brown County, Texas, as follows:

Precinct # Location: Starting point: OPP 6901 COUNTY RD 589 This will involve a bore x or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 08 day of October, 20 22

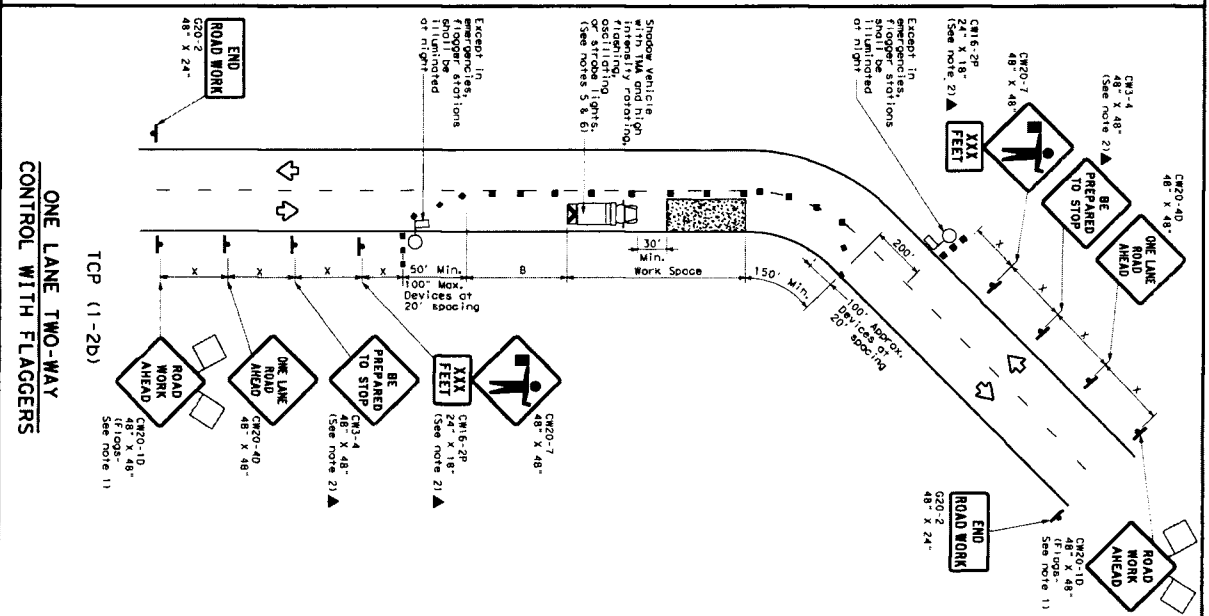
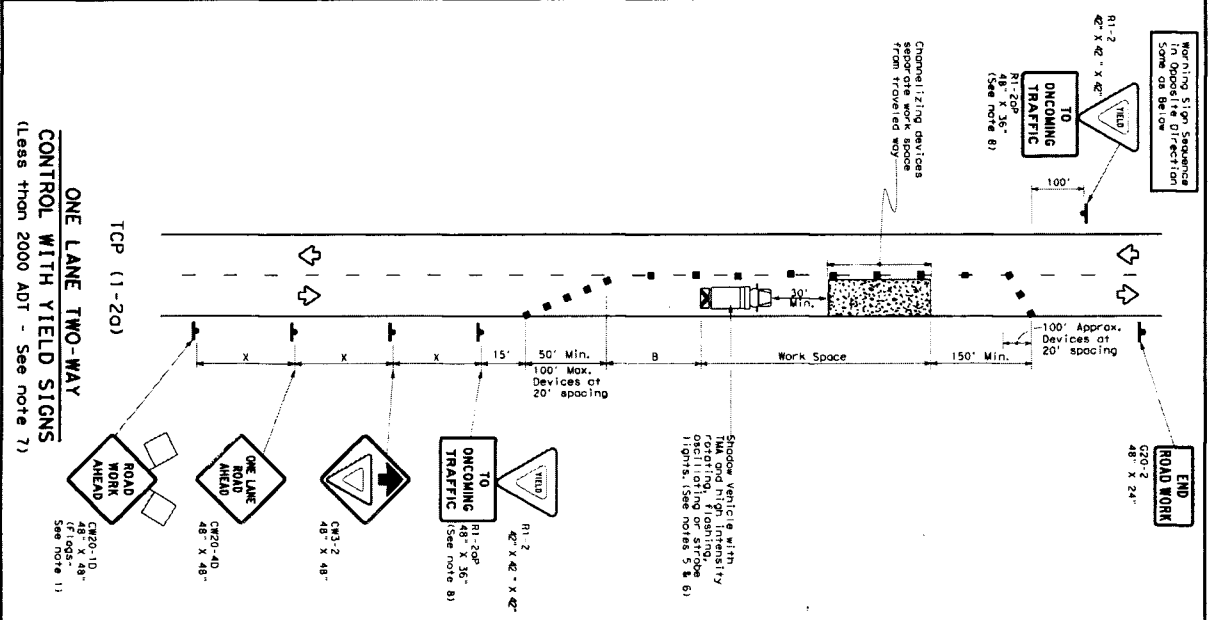
county roads/addresses:
All streets on the designs are in Brown county

By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS)
Address CHRISTIAN.REESE@CYIENT.COM
Phone 662.400.9330

CR 589 & 611, 600
Oak Ridge Loop (Pvt)
Star Ln. (Pvt) Livingston (Pvt)
Big Rocky (Pvt)
FM 3021

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the author and/or publisher for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: FILE:



LEGEND

Symbol	Description
[Symbol]	Type 3 Barricade
[Symbol]	Channelizing Devices
[Symbol]	Truck Mounted Attenuator (TMA)
[Symbol]	Portable Changeable Message Sign (PCMS)
[Symbol]	Traffic Flow
[Symbol]	Flagger

GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored elsewhere in the plan, or for routine maintenance.
- Sign spacing may be increased or decreased as approved by the engineer, but proper sign spacing shall be maintained.
- Sign spacing may be increased or decreased as approved by the engineer, but proper sign spacing shall be maintained.
- Use of advance warning sign of the flagger or R1-2 YIELD sign is not required for 1500 feet in advance of the end of one-lane two-way road.
- Use of advance warning sign of the flagger or R1-2 YIELD sign is not required for 1500 feet in advance of the end of one-lane two-way road.
- Use of advance warning sign of the flagger or R1-2 YIELD sign is not required for 1500 feet in advance of the end of one-lane two-way road.
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- Use of advance warning sign of the flagger or R1-2 YIELD sign is not required for 1500 feet in advance of the end of one-lane two-way road.

TCP (1-20)

R1-2 YIELD sign traffic control may be used on projects with operations that have adequate sight distance. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.

R1-2 YIELD sign with R1-2B TO ONCOMING TRAFFIC sign shall be placed on a support structure with minimum mounting height.

TCP (1-2B)

Flaggers should use two-way radios or other methods of communication to control traffic. Signs or portable devices should be based on the ability of flaggers to communicate. If the ability to communicate is limited, the spacing between signs should be increased in order to maintain adequate stopping sight distance to the flagger. A queue of stopped vehicles (see table above).

Channelizing devices on the center-line may be omitted when a pilot car is leading.

Flaggers should use 24" SIGN/20' cones to control traffic. Flagg should be limited to emergency situations.

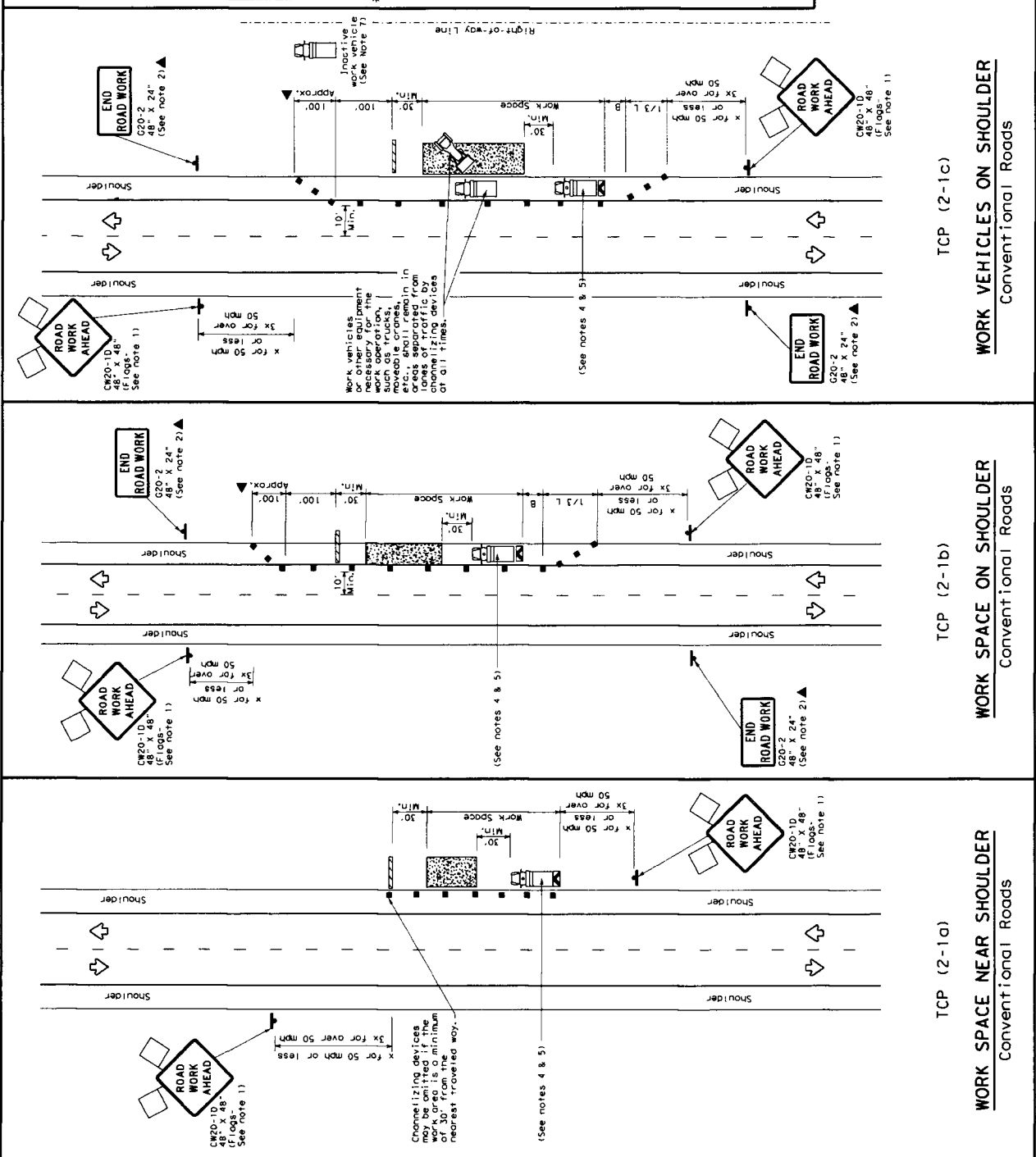
TYPICAL USAGE

VEHICLE	SHORT DURATION	SHORT TERM DURATION	INTERMEDIATE TERM DURATION	LONG TERM DURATION
10	10	10	10	10
20	20	20	20	20
30	30	30	30	30
40	40	40	40	40
50	50	50	50	50
60	60	60	60	60
70	70	70	70	70
80	80	80	80	80
90	90	90	90	90
100	100	100	100	100
110	110	110	110	110
120	120	120	120	120
130	130	130	130	130
140	140	140	140	140
150	150	150	150	150

TCP (1-2)-18

Texas Department of Transportation
Traffic Control Plan
ONE-LANE TWO-WAY
TRAFFIC CONTROL

4-30-18
2-24-2-12
1-31-2-18



TCP (2-1a) WORK SPACE NEAR SHOULDER Conventional Roads
 TCP (2-1b) WORK SPACE ON SHOULDER Conventional Roads
 TCP (2-1c) WORK VEHICLES ON SHOULDER Conventional Roads

LEGEND

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

Posted Speed	Minimum Taber Lengths	Suggested Maximum Spacing of Channelizing Devices	Minimum Sign Spacing	Suggested Maximum Spacing of Channelizing Devices
30	10' 11' 12'	On Tangent	60'	120'
35	150' 165' 180'	On Curve	70'	120'
40	205' 225' 245'	On Curve	80'	155'
45	265' 295' 320'	On Curve	90'	195'
50	300' 350' 400'	On Curve	100'	240'
55	350' 400' 450'	On Curve	110'	295'
60	400' 450' 500'	On Curve	120'	350'
65	450' 500' 550'	On Curve	130'	410'
70	500' 550' 600'	On Curve	140'	475'
75	550' 600' 650'	On Curve	150'	540'

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

TYPICAL USAGE

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓

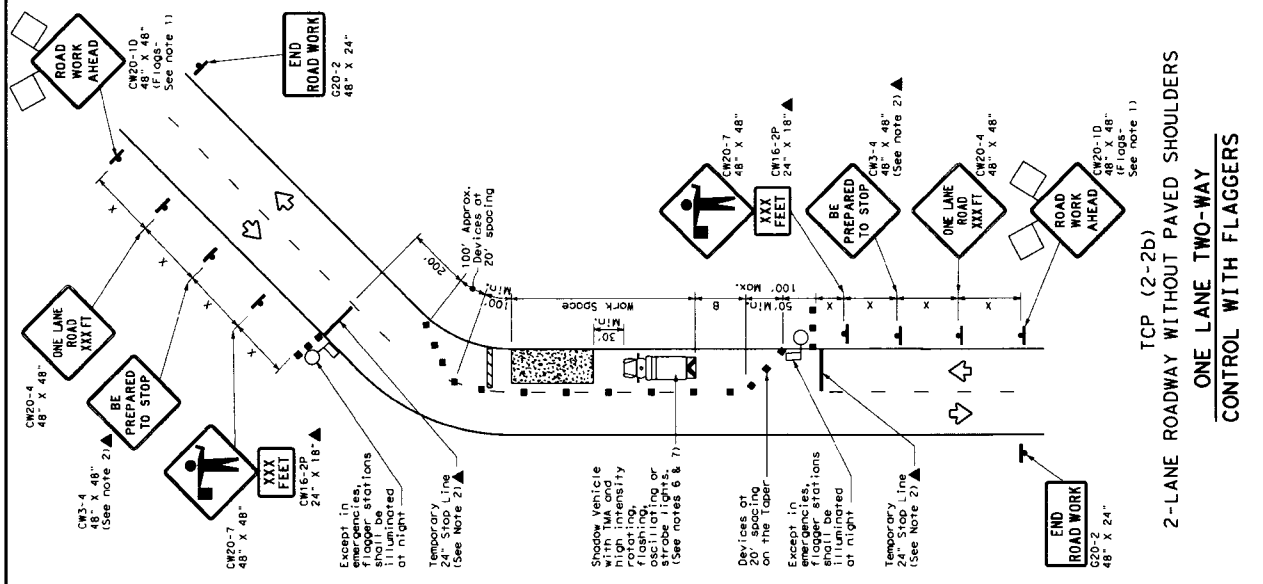
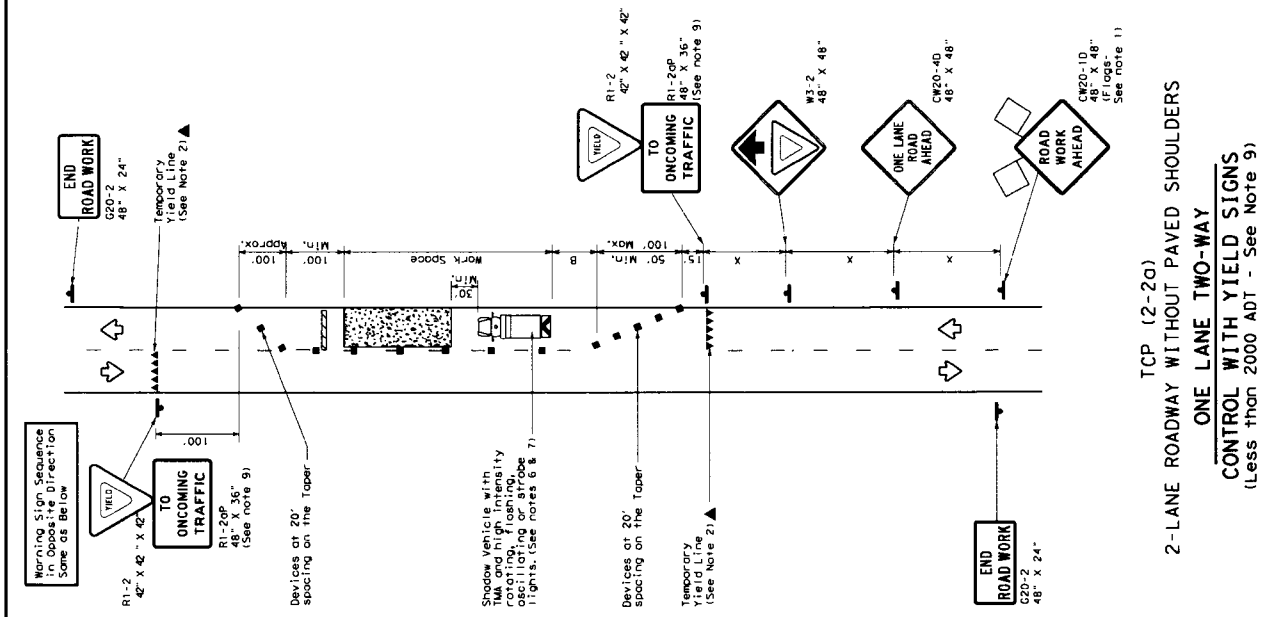
- GENERAL NOTES**
- Flags attached to signs where shown, are REQUIRED.
 - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored in the work zone.
 - Shoulder work should be approved by the Engineer. Shoulder work should be placed a minimum of 30 feet from nearest traveled way.
 - Shadow vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. A shadow vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the work zone. The shadow vehicle should be used to direct traffic and 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 TMA's may be positioned off the paved shoulder to provide a wider work space.
 - Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
 - CP21-5 "SHOULDER WORK" signs may be used in place of CP21-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

Texas Department of Transportation

TRAFFIC CONTROL PLAN
CONVENTIONAL ROAD
SHOULDER WORK

TCP (2-1) - 18

Project	102-1-18-097	Sheet	18 of 18
Revision	2-94 4-98	Drawn	W/MS/K
Checked	8-95 2-18	Checked	W/MS
Approved		Scale	



LEGEND

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

Recommended Spacing	Formula	Minimum Taper Lengths	Suggested Maximum Spacing of Channelizing	Suggested Maximum Spacing of Sign	Stopping Sight Distance
*	$S = 1.47 V^2 / a$	On a tangent	On a tangent	On a tangent	
30'	$W = 2$	150'	150'	120'	200'
35'	$W = 3$	205'	225'	180'	250'
40'	$W = 4$	265'	295'	240'	305'
45'	$W = 5$	325'	365'	300'	360'
50'	$W = 6$	390'	435'	360'	420'
55'	$W = 7$	455'	505'	420'	480'
60'	$W = 8$	520'	575'	480'	540'
65'	$W = 9$	585'	645'	540'	600'
70'	$W = 10$	650'	715'	600'	660'
75'	$W = 11$	715'	785'	660'	720'
80'	$W = 12$	780'	855'	720'	780'
85'	$W = 13$	845'	925'	780'	840'
90'	$W = 14$	910'	995'	840'	900'
95'	$W = 15$	975'	1065'	900'	960'
100'	$W = 16$	1040'	1135'	960'	1020'

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

TYPICAL USAGE

MOBILE	SHORT TERM DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓	✓

GENERAL NOTES

- Flags attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol when stored elsewhere in the plant, or for routine maintenance work, when approved by the Engineer.
- The CW-3-4 "BE PREPARED TO STOP" sign may be installed after the CW-20-4 "ONE LANE ROAD XXX FT" sign, but proper sign spacing shall be maintained.
- Flagger should use two-way radios or other methods of communication.
- Flagger should use two-way radios or other methods of communication.
- Flagger should use two-way radios or other methods of communication.
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- Flagger should use two-way radios or other methods of communication.
- Flagger should use two-way radios or other methods of communication.

TCP (2-2a)

- The R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work space should be no longer than one half city block. In rural areas, roadways with less than 2000 ADT, work space should be no longer than 400 feet.
- The R1-2P "YIELD TO ONCOMING TRAFFIC" sign shall be placed on a support of a 7 foot minimum mounting height.

TCP (2-2b)

- Channelizing devices on the center line may be omitted when a pilot car is leading traffic and approved by the Engineer.
- Devices placed near a horizontal or vertical curve, the buffer distances should be increased in order to maintain stopping sight distance to the flagger and a queue of stopped vehicles. (See table above).
- Flagger should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

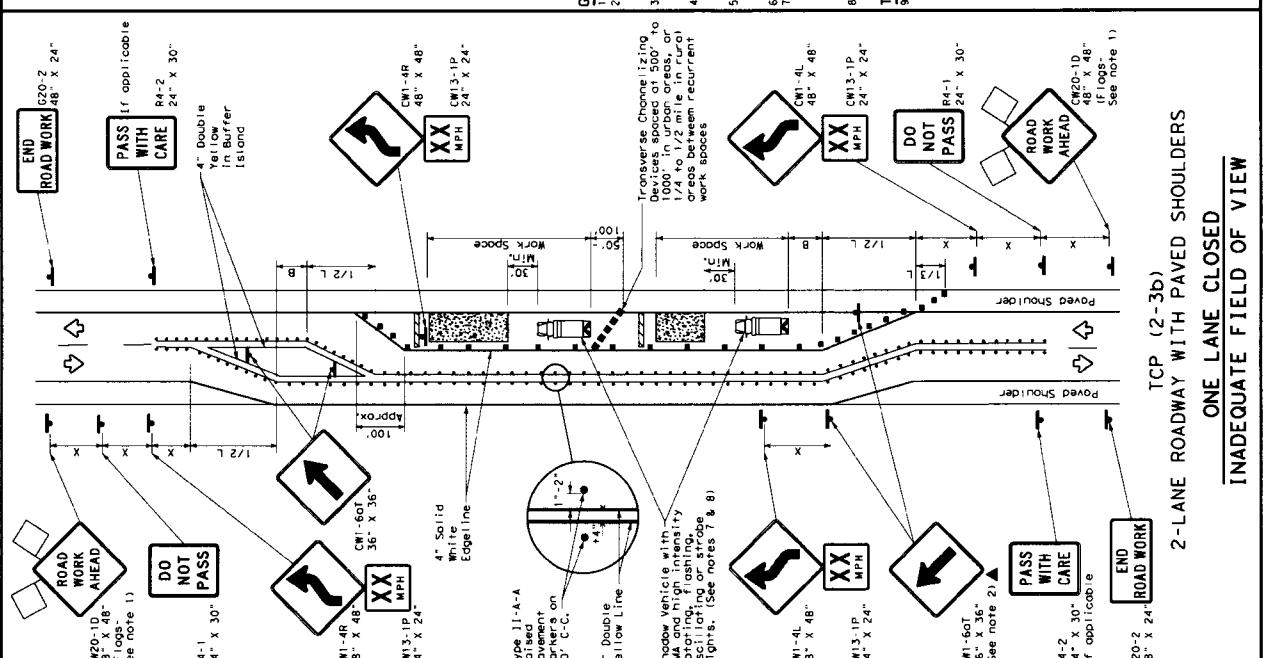
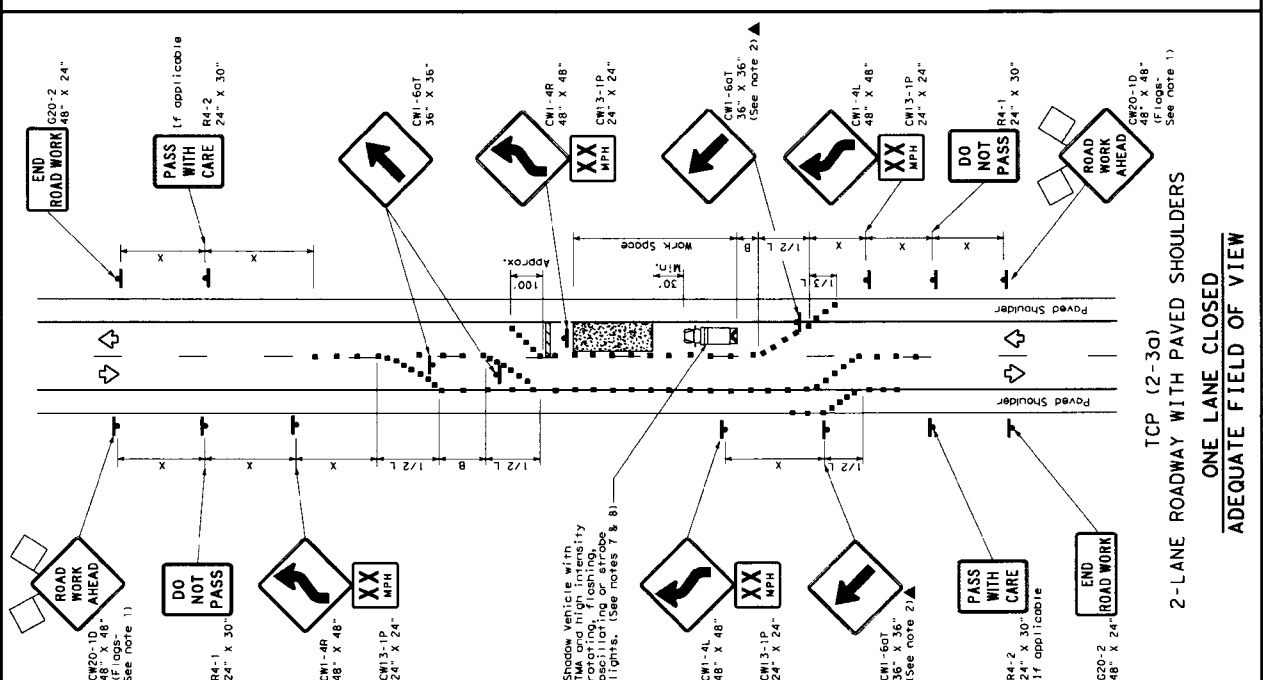
Texas Department of Transportation

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP (2-2) - 18

FILE: TCP-21-B-997
DATE: December 1995
SHEET NO. 18 OF 18

DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. No warranty of any kind is made by TxDOT or its contractors, including its employees, for the accuracy or appropriateness of this standard or for incorrect results or damages resulting from its use.



LEGEND

Type 3 Barricade	Channelizing Devices
Heavy Work Vehicle	Truck Mounted Attenuator (TMA)
Trailer Mounted Flashing Arrow Board	Raised Pavement Markers (RPM)
Flashing Arrow Board	Markers with T-AAA
Flag	Traffic Flow
Flagger	

Posted Speed (MPH)	Formula	Minimum Sign Spacing (ft)	Minimum Sign Spacing (ft) - Distance	Suggested Maximum Channelizing Device Spacing (ft)	Suggested Maximum Longitudinal Buffer Space (ft)
30	WS	150'	165'	180'	30'
35	L	205'	225'	245'	35'
40	L	265'	285'	320'	40'
45	L	325'	350'	390'	45'
50	L+WS	385'	410'	450'	50'
55	L+WS	445'	470'	510'	55'
60	L+WS	505'	530'	570'	60'
65	L+WS	565'	590'	630'	65'
70	L+WS	625'	650'	690'	70'
75	L+WS	685'	710'	750'	75'

* Conventional Roads Only
* Tower lengths may be rounded off.
** L-length of taper (FT), W-width of offset (FT), S-posted speed (MPH)

TYPICAL USAGE

MOBILE	SHORT DURATION	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
			TOP (P-3) ONLY

GENERAL NOTES

- Flags attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored in advance in the plans, and for routine maintenance work, when approved by the Engineer.
- Work zone shall be illuminated with flashing lights. Channelizing devices shall be used to separate traffic.
- Flagger control should NOT be used unless roadway conditions or heavy traffic volume require additional emphasis to safety control traffic. Flagger should be used in advance of the work zone.
- Regulatory speed zone signs may be installed within 0.20 mile of the work zone. The sign shall be "PASS WITH CARE" and construction.
- Channelizing devices shall be installed within 0.20 mile of the work zone. The sign shall be "PASS WITH CARE" and construction.
- Channelizing devices shall be installed within 0.20 mile of the work zone. The sign shall be "PASS WITH CARE" and construction.
- Channelizing devices shall be installed within 0.20 mile of the work zone. The sign shall be "PASS WITH CARE" and construction.

Texas Department of Transportation

TRAFFIC CONTROL PLAN
TRAFFIC SHIFTS ON
TWO-LANE ROADS

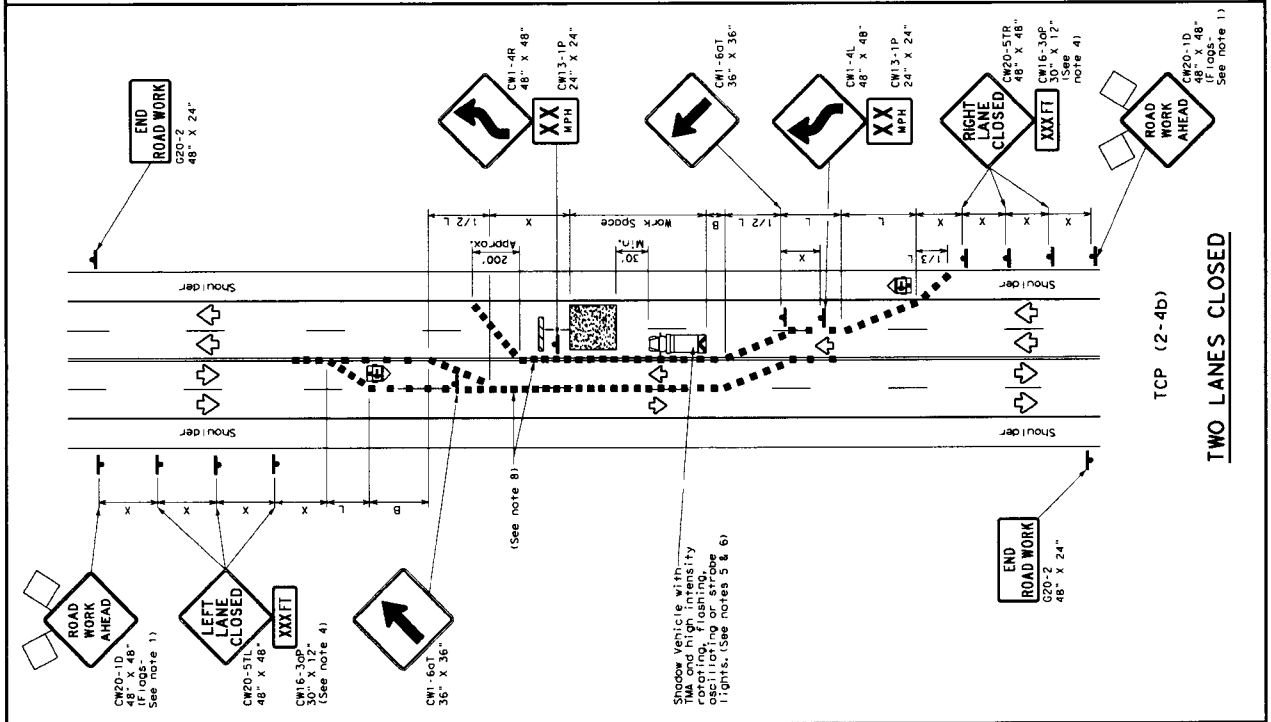
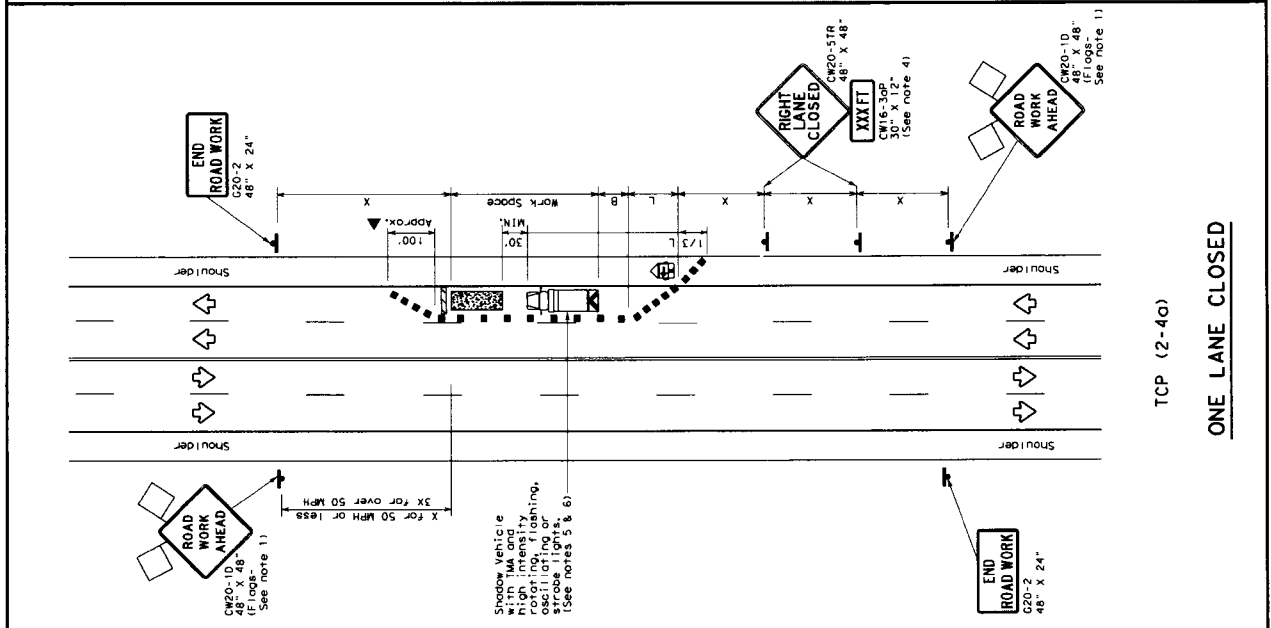
TCP (2-3) - 18

DATE: 10/10/00
PROJECT: 8-95 3-03
DRAWING: 1-38 2-18

SCALE: 1/2" = 1'-0"

PROJECT NO.: 8-95 3-03
DRAWING NO.: 1-38 2-18

DATE: 10/10/00



LEGEND

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 Limit *	Minimum Spacing of Channelizing Devices **	Minimum Spacing of Light Spacing Devices ***	Suppressed Longitudinal Buffer Space B
30	150'	180'	30'
35	205'	245'	35'
40	265'	320'	40'
45	330'	405'	45'
50	405'	500'	50'
55	495'	605'	55'
60	595'	720'	60'
65	705'	840'	65'
70	825'	960'	70'
75	955'	1080'	75'

* Conventional Roads Only
 ** Taper lengths have been rounded off.
 *** Taper lengths are based on the length of the taper (FT) W/Width of Offset (FT) S/Posted Speed (MPH)

TYPICAL USAGE

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓

GENERAL NOTES

- Flare attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored in place in the plans, or routine maintenance work, when approved by the Engineer. The length of the taper is optional. When used, it should be 100 feet minimum length per lane.
- For short term applications, when post mounted signs are not used, the distance legend may be shown on the sign face rather than on a CW16-30P supplemental plate.
- Shadow vehicles with TMA should be used as follows:
 - 300 feet in advance of the work, if the work is of an extent that adversely affects 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 TMA may be positioned in each closed lane at the edge of the paved surface, next to those shown in order to protect a wider work space.

TCP (2-4o)

- If this TCP is used for a left lane closure, CW20-51L "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline to the closed lane near the end of the taper.

TCP (2-4b)

- For shorter durations where traffic is directed over a yellow centerline, CW20-51R signs shall be used and channelizing devices shall be placed on the centerline to the closed lane near the end of the taper.

Texas Department of Transportation

Traffic Operations Division Standard

TRAFFIC CONTROL PLAN

LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS

TCP (2-4) - 18

FILE: TDCP-4-18-000

DATE: December, 1995

SCALE: 1" = 30'

PROJECT: 9-337-2-12

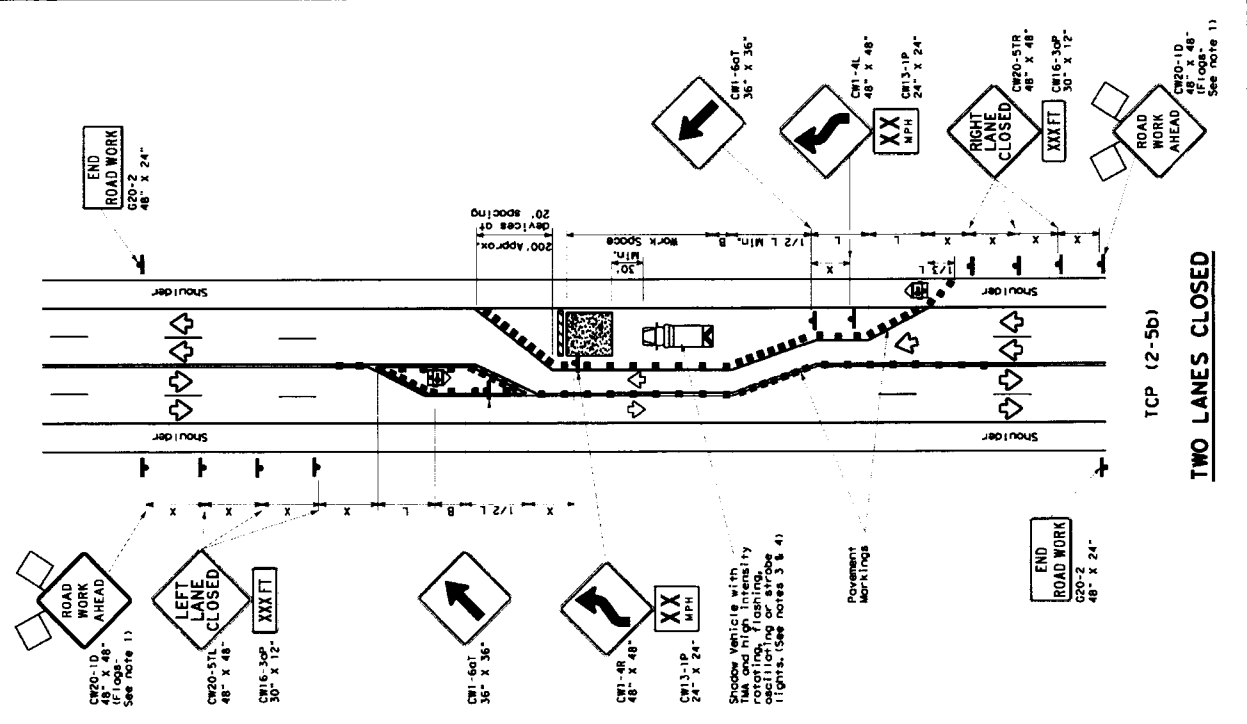
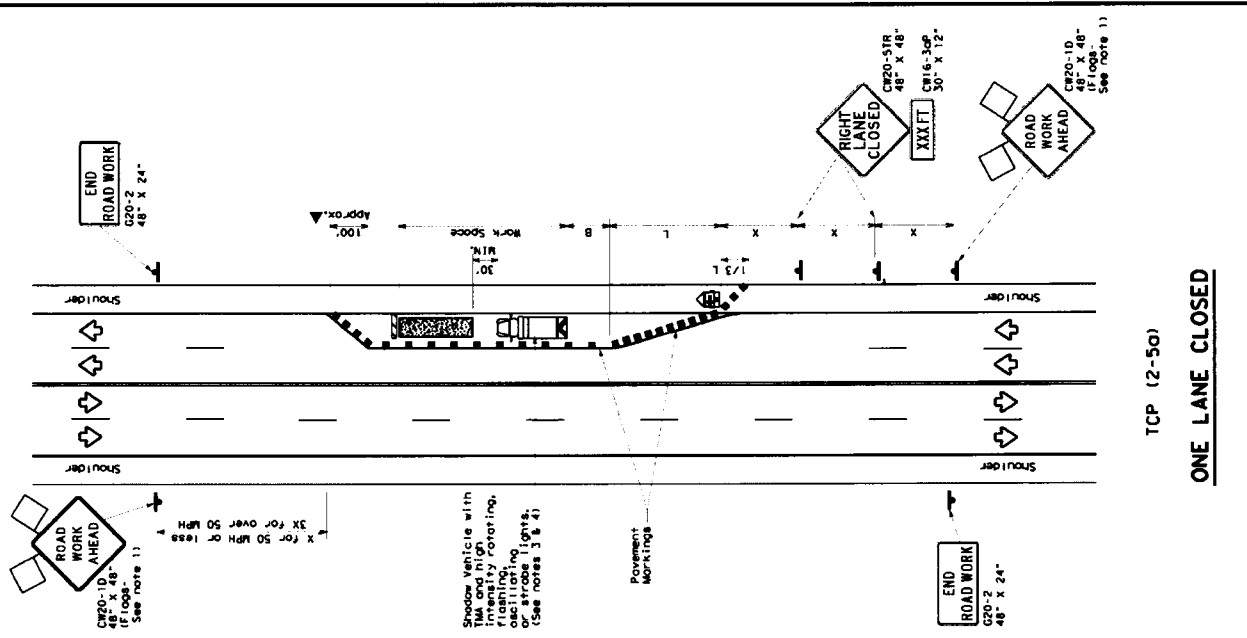
CONTRACT: DIST. 4-38-2-18

DATE: _____

FILE: _____

DATE: _____ FILE: _____

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 or for incorrect results or damages resulting from its use.



LEGEND

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

Posted Speed *	Formula	Minimum Taper Lengths **	Suggested Maximum Spacing of Channelizing Devices	Minimum Sign Spacing	Suggested Buffer Spacing
30	$L = \frac{W^2}{60}$	150' 165' 180'	30'	60'	120'
35	$L = \frac{W^2}{60}$	205' 225' 245'	35'	70'	140'
40	$L = \frac{W^2}{60}$	265' 295' 320'	40'	80'	160'
45	$L = \frac{W^2}{60}$	330' 365' 400'	45'	90'	180'
50	$L = \frac{W^2}{60}$	400' 445' 490'	50'	100'	200'
55	$L = \frac{W^2}{60}$	480' 535' 590'	55'	110'	230'
60	$L = \frac{W^2}{60}$	570' 635' 700'	60'	120'	260'
65	$L = \frac{W^2}{60}$	675' 750' 830'	65'	130'	300'
70	$L = \frac{W^2}{60}$	795' 880' 970'	70'	140'	340'
75	$L = \frac{W^2}{60}$	930' 1025' 1125'	75'	150'	390'

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

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓	✓

GENERAL NOTES

- Flips attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
- The plans, or for routine maintenance work, when approved by the Engineer, shall be placed in the area of the work, 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 and other channelizing devices may be substituted for the Shadow Vehicle and all closed lanes on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.
- The downstream taper is optional. When used, it should be 100 feet approximately per lane, with channelizing devices spaced at 20 feet.

TCP (2-50)

If this TCP is used for a left lane closure, CR20-51L "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the center line to protect the work space from opposing traffic, with the arrow board placed in the closed lane near the end of the merging taper.

TCP (2-5b)

Conflicting pavement markings shall be removed for long-term projects.

Texas Department of Transportation
Traffic Control Division
Standard

TRAFFIC CONTROL PLAN
LONG TERM LANE CLOSURES
MULTILANE CONVENTIONAL RDS.

TCP (2-5) - 18

Project: _____
Date: _____
Scale: _____
Sheet: _____

LEGEND

Channelizing Devices	■
Flashing Arrow Board	⬆
Sign	□
Flag	◇
Type 3 Barricade	▨
Heavy Work Vehicle	⚙
Trailer Mounted Flashing Arrow Board	⚙
Portable Channeled Message Sign (PCMS)	Ⓜ
Traffic Flow	→
Channelizing Devices	■
Flashing Arrow Board	⬆
Sign	□
Flag	◇

Posted Speed *	Minimum Taper Lengths (ft) †	Suggested Maximum Spacing of Channelizing Devices (ft) ‡	Minimum Spacing (ft) §	Suggested Longitudinal Spacing (ft) ¶
30	10'	11'	12'	90'
35	150'	165'	180'	120'
40	205'	225'	245'	155'
45	450'	495'	540'	195'
50	500'	550'	600'	240'
55	600'	660'	720'	295'
60	600'	660'	720'	350'
65	650'	715'	780'	410'
70	700'	770'	840'	475'
75	750'	825'	900'	540'

* Conventional Roads Only
 ** Taper lengths have been rounded off.
 † Length of Taper (FT) Width of Offset (FT) S-Posted Speed (MPH)

TYPICAL USAGE

MOBILE STATION	SHORT TERM STATION	INTERMEDIATE STATION	LONG TERM STATION
✓	✓	✓	✓

- GENERAL NOTES**
- Flags attached to signs where shown, are REQUIRED.
 - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
 - Channelizing devices used to close lanes may be supplemented by lighting devices. Channelizing devices should be placed on plastic drums as per BC Standards.
 - Channelizing devices used along the work space or along tangent sections may be supplemented with vertical panels (VP) placed on every other channelizing device. If night time conditions make it difficult to see at least two VPs, the VPs may be placed on each channelizing device.
 - Stop barricades or portable message signs with the approval of the Engineer.
 - Shadow vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. Shadow vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. A shadow vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the work area. The use of shadow vehicles or portable message signs or the use of the flashing arrow board is required in advance of 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 TMA's may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work area.

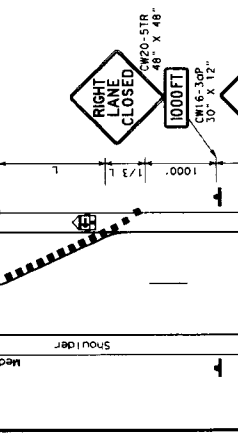
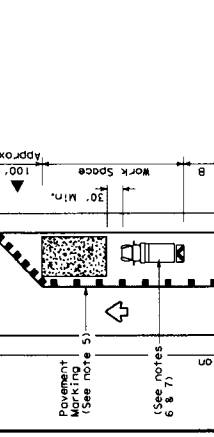
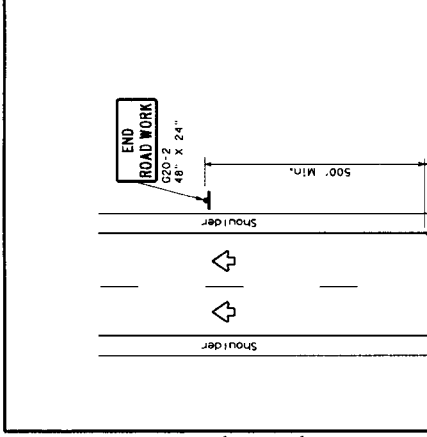
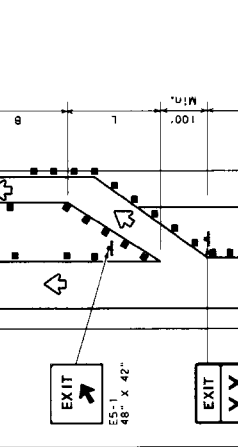
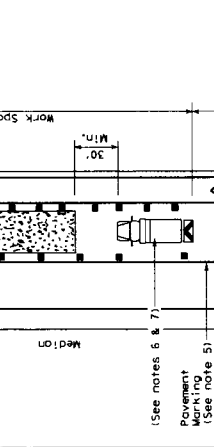
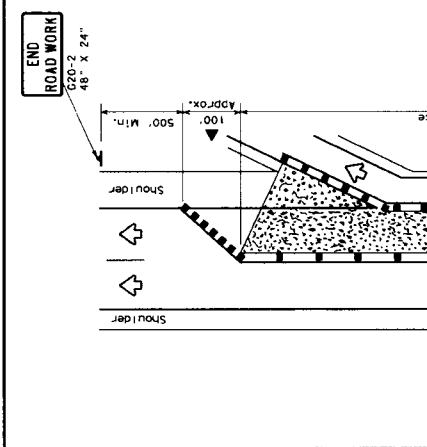
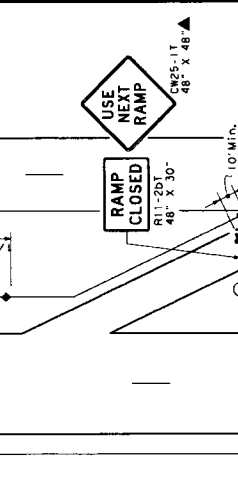
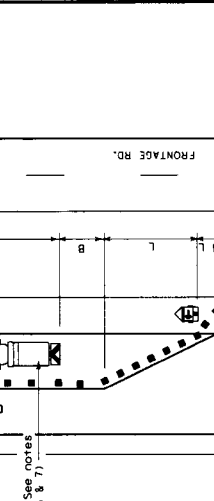
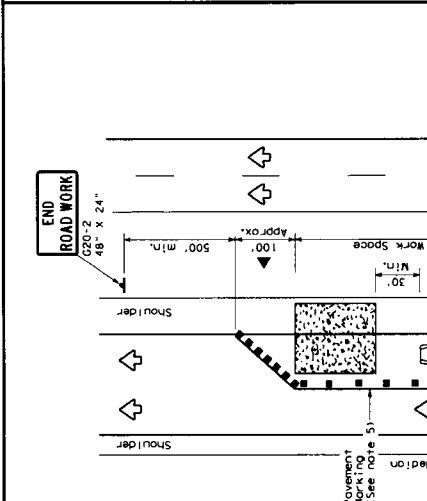
Texas Department of Transportation

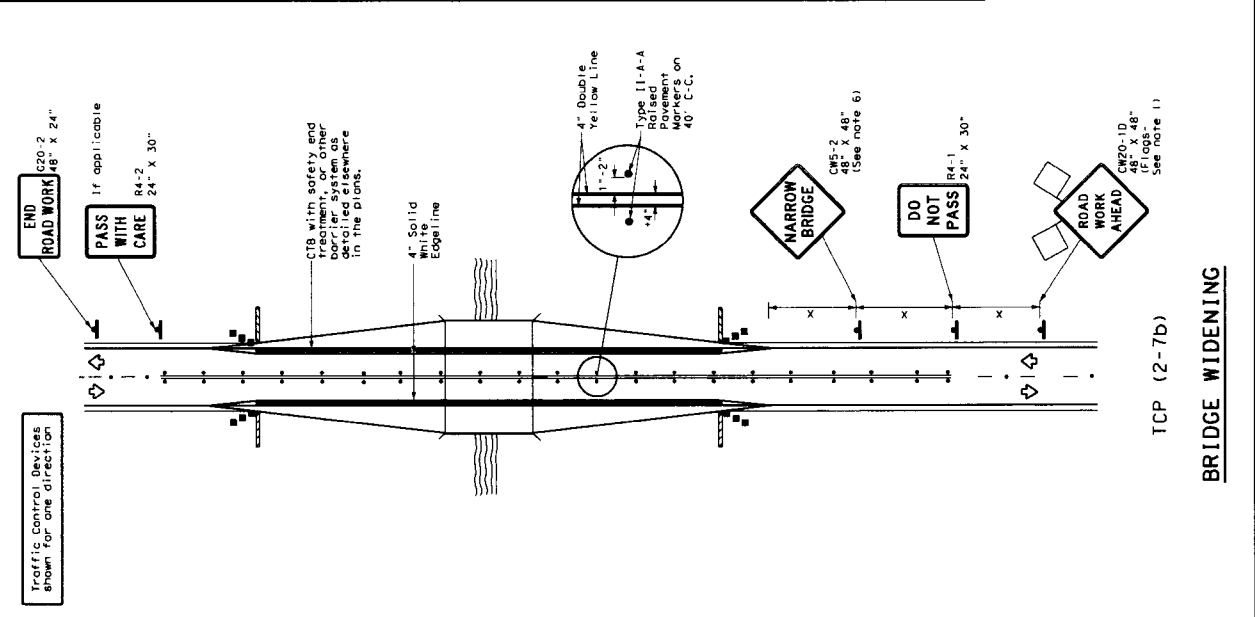
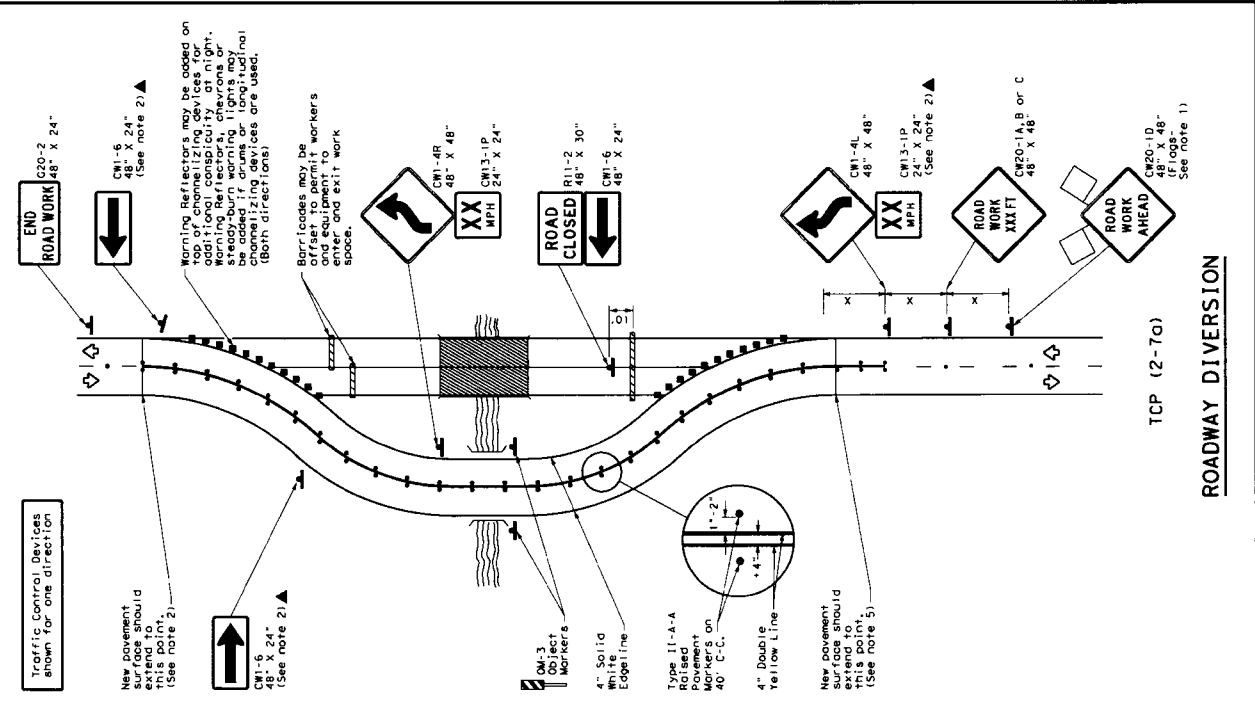
TRAFFIC CONTROL PLAN
LANE CLOSURES ON
DIVIDED HIGHWAYS

TCP (2-6) - 18

FILE: 1022-6-18-007
 DATE: 10/20/18
 REVISION: 1/85
 2-84 4-98
 8-95 2-12
 1-97 2-18

PROJECT: _____ DIST: _____ COUNTY: _____ SHEET NO: _____





LEGEND

Type 3 Barricade	Channelizing Devices
Heavy Work Vehicle	Truck Mounted Attenuator (TMA)
Trailer Mounted Flashing Arrow Board	Raised Pavement Markers by II-A-A
Sign	Traffic Flow
Flag	Flagger

Posted Speed * (MPH)	Minimum Table Lengths (ft)	Suggested Maximum Spacing of Channelizing Devices (ft)	Minimum Spacing of Channelizing Devices (ft)	Minimum Spacing of Channelizing Devices (ft)	Suggested Maximum Spacing of Channelizing Devices (ft)
* L	10'	11'	12'	On C-C	On Ego Line
35	150	165	180	30'	60'
40	60	265	295	320	40'
45	100	225	245	35'	70'
50	150	225	245	35'	70'
55	205	225	245	35'	70'
60	265	225	245	35'	70'
65	320	225	245	35'	70'
70	380	225	245	35'	70'
75	440	225	245	35'	70'
80	500	225	245	35'	70'
85	560	225	245	35'	70'
90	620	225	245	35'	70'
95	680	225	245	35'	70'
100	740	225	245	35'	70'
105	800	225	245	35'	70'
110	860	225	245	35'	70'
115	920	225	245	35'	70'
120	980	225	245	35'	70'
125	1040	225	245	35'	70'
130	1100	225	245	35'	70'
135	1160	225	245	35'	70'
140	1220	225	245	35'	70'
145	1280	225	245	35'	70'
150	1340	225	245	35'	70'
155	1400	225	245	35'	70'
160	1460	225	245	35'	70'
165	1520	225	245	35'	70'
170	1580	225	245	35'	70'
175	1640	225	245	35'	70'
180	1700	225	245	35'	70'
185	1760	225	245	35'	70'
190	1820	225	245	35'	70'
195	1880	225	245	35'	70'
200	1940	225	245	35'	70'
205	2000	225	245	35'	70'
210	2060	225	245	35'	70'
215	2120	225	245	35'	70'
220	2180	225	245	35'	70'
225	2240	225	245	35'	70'
230	2300	225	245	35'	70'
235	2360	225	245	35'	70'
240	2420	225	245	35'	70'
245	2480	225	245	35'	70'
250	2540	225	245	35'	70'
255	2600	225	245	35'	70'
260	2660	225	245	35'	70'
265	2720	225	245	35'	70'
270	2780	225	245	35'	70'
275	2840	225	245	35'	70'
280	2900	225	245	35'	70'
285	2960	225	245	35'	70'
290	3020	225	245	35'	70'
295	3080	225	245	35'	70'
300	3140	225	245	35'	70'
305	3200	225	245	35'	70'
310	3260	225	245	35'	70'
315	3320	225	245	35'	70'
320	3380	225	245	35'	70'
325	3440	225	245	35'	70'
330	3500	225	245	35'	70'
335	3560	225	245	35'	70'
340	3620	225	245	35'	70'
345	3680	225	245	35'	70'
350	3740	225	245	35'	70'
355	3800	225	245	35'	70'
360	3860	225	245	35'	70'
365	3920	225	245	35'	70'
370	3980	225	245	35'	70'
375	4040	225	245	35'	70'
380	4100	225	245	35'	70'
385	4160	225	245	35'	70'
390	4220	225	245	35'	70'
395	4280	225	245	35'	70'
400	4340	225	245	35'	70'
405	4400	225	245	35'	70'
410	4460	225	245	35'	70'
415	4520	225	245	35'	70'
420	4580	225	245	35'	70'
425	4640	225	245	35'	70'
430	4700	225	245	35'	70'
435	4760	225	245	35'	70'
440	4820	225	245	35'	70'
445	4880	225	245	35'	70'
450	4940	225	245	35'	70'
455	5000	225	245	35'	70'
460	5060	225	245	35'	70'
465	5120	225	245	35'	70'
470	5180	225	245	35'	70'
475	5240	225	245	35'	70'
480	5300	225	245	35'	70'
485	5360	225	245	35'	70'
490	5420	225	245	35'	70'
495	5480	225	245	35'	70'
500	5540	225	245	35'	70'

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

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓	✓

GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.

TCP (2-7a)

- Raised pavement markers shall be placed 40 feet c-c on centerline throughout project.
- Roadway diversion design requirements should be based on posted pavement markings.
- New pavement surface should be extended across existing roadway edge to a point where existing pavement markings left in place during project do not conflict with construction area pavement marking.

TCP (2-7b)

- The CW-2 "Narrow Bridge" sign may be omitted if lane and shoulder widths are maintained.

Texas Department of Transportation
 Traffic Operations Division
 Standard

**TRAFFIC CONTROL PLAN
 DIVERSIONS AND
 NARROW BRIDGES**

TCP (2-7) - 18

DATE: 10/18/90
 PROJECT: 8-95-3-03
 COUNTY: 1-97-2-12
 SHEET NO.: 4-98-2-18

LEGEND

██████	Type 3 Barricade	■	Channelizing Devices
▲	Sign	→	Traffic Flow
◇	Flag	○	Flagger
***	Raised Pavement Markers by 11-A-A	↕	Temporary or Portable Traffic Signal

Posted Speed * k	Formula	Minimum Taper Lengths ft	Suggested Maximum Spacing of Channelizing Devices ft	Minimum Spacing of Channelizing Devices ft	Minimum Spacing of Channelizing Devices ft	Suggested Maximum Spacing of Channelizing Devices ft	Stopping Sight Distance ft	
30	MS ²	150'	165'	180'	30'	60'	120'	90'
35	L*60	205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45		450'	495'	540'	45'	90'	320'	195'
50		550'	550'	600'	50'	100'	400'	240'
55	L*WS	600'	660'	720'	60'	110'	500'	295'
60		600'	660'	720'	60'	110'	500'	350'
65		700'	715'	780'	65'	130'	700'	410'
70		750'	825'	900'	75'	150'	900'	540'
80								

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

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT DURATION	INTERMEDIATE DURATION	LONG TERM STATIONARY
	✓	✓	✓	✓

GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- When this TCP is used at a location which does not involve a bridge, a 48" x 48" CW20-40 "ONE LANE ROAD AHEAD" sign should be used in lieu of the CW3-48 "ONE LANE BRIDGE" sign. The CW13-IP Advisory Speed Plaque is required with either warning sign.
- DO NOT PASS signs and stop or yield lines.
- For intermediate term situations, when it is not feasible to remove and restore pavement markings, the channelization must be made dominant by using a very close spacing. This is especially important in locations of conflicting information, such as where traffic is directed over a double yellow centerline. The use of a double yellow centerline with a double yellow arrow sign is recommended. The 20 foot channelizing device spacing recommendation is intended for the area of conflicting information and not the entire work zone.

TCP (2-80)

- Traffic control by CW3-2 "YIELD AHEAD" sign for one lane two-way traffic should be used for work zones with less than 2000 ADT. Otherwise, portable traffic signals should be used.
- If power is available, a flashing beacon should be attached to the CW3-2 "YIELD AHEAD" sign for emphasis.
- The RW-2 "YIELD" and RW-2P "10 ONCOMING TRAFFIC" signs and other regulatory signs shall be installed at 7 foot minimum mounting height.

TCP (2-8B)

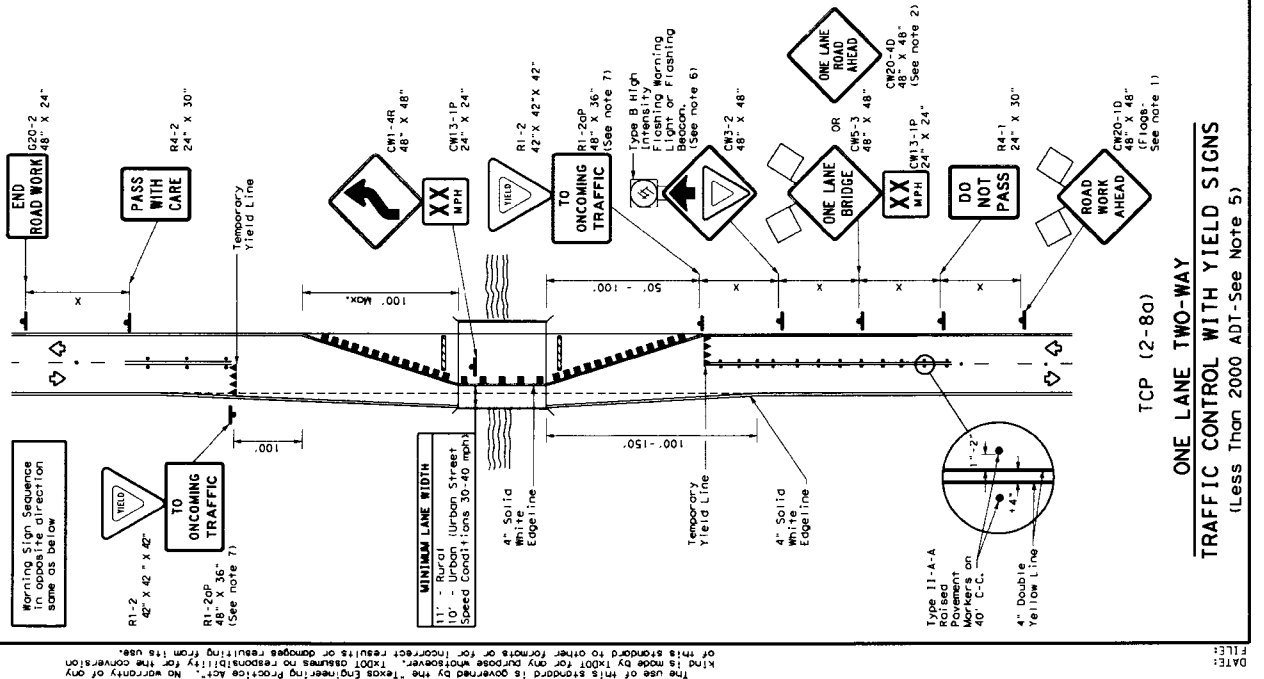
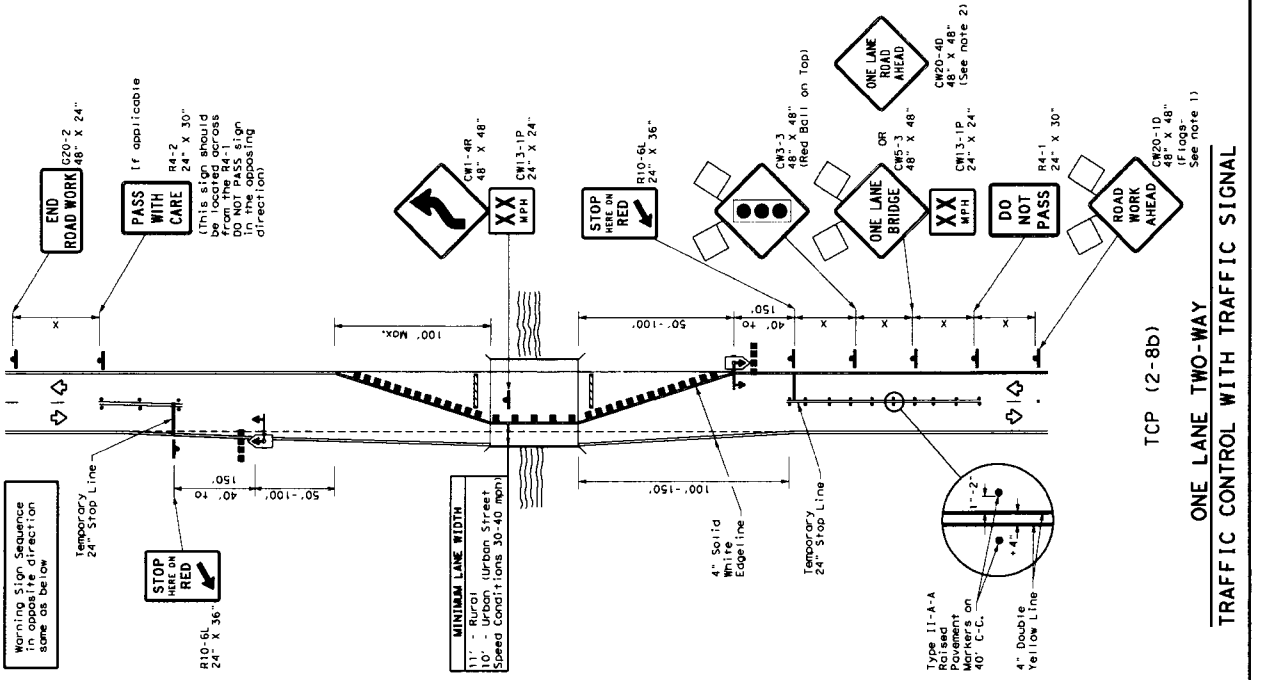
- A list of approved Portable Traffic Signals can be found in the "Compliant Work Zone Traffic Control Devices" list.
- Portable traffic signals should be located to provide adequate stopping sight distance for approaching motorist (see table above).

Texas Department of Transportation
 Operations Standard

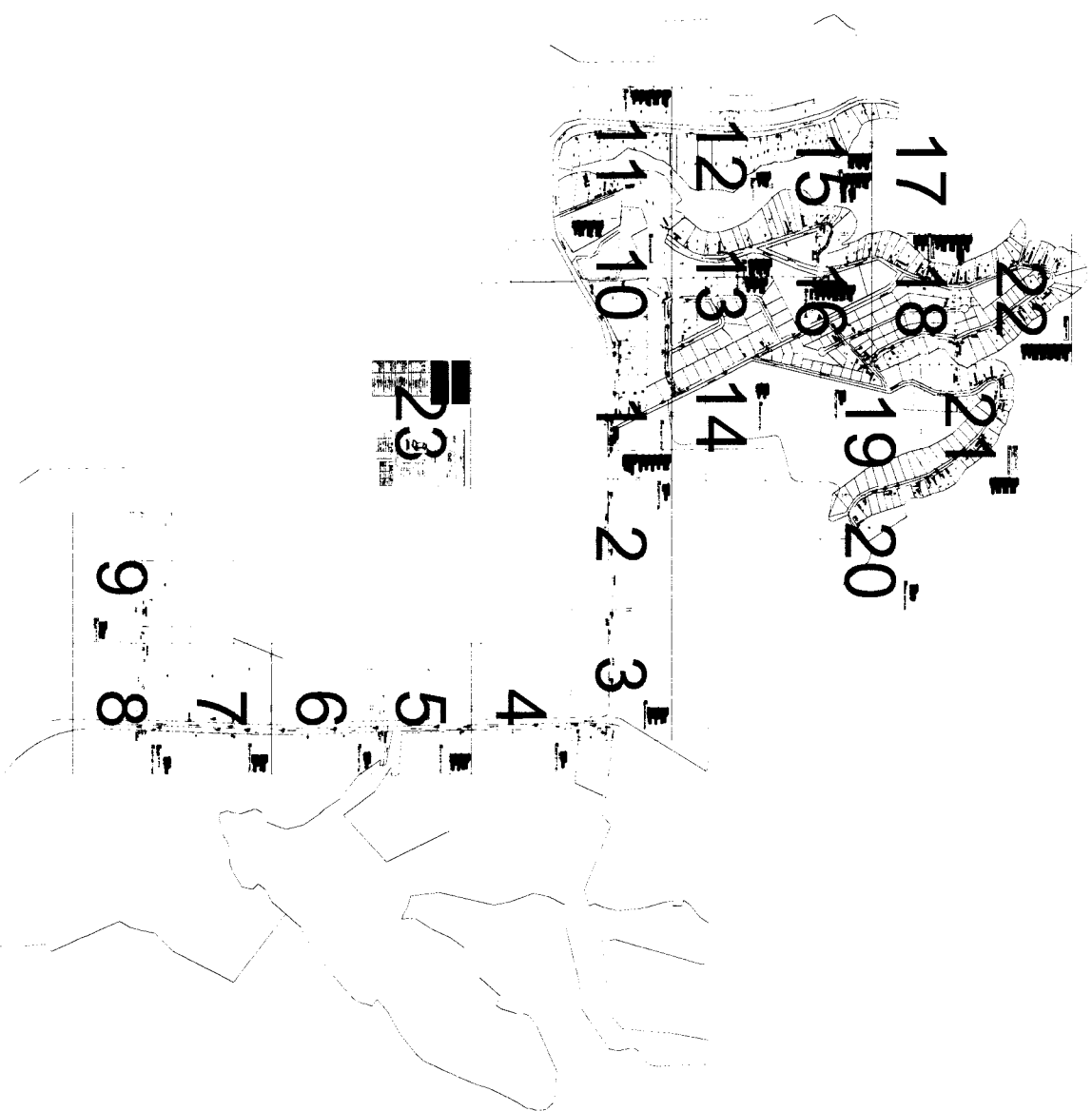
TRAFFIC CONTROL PLAN
LONG TERM ONE-LANE
TWO-WAY CONTROL

TCP (2-8) - 18

FILE: T022 8.18.00
 DATE: December 1995
 DRAWN BY: RWT/MS
 CHECKED BY: BJS
 COUNTY: _____
 SHEET NO. _____



DATE: _____ FILE: _____
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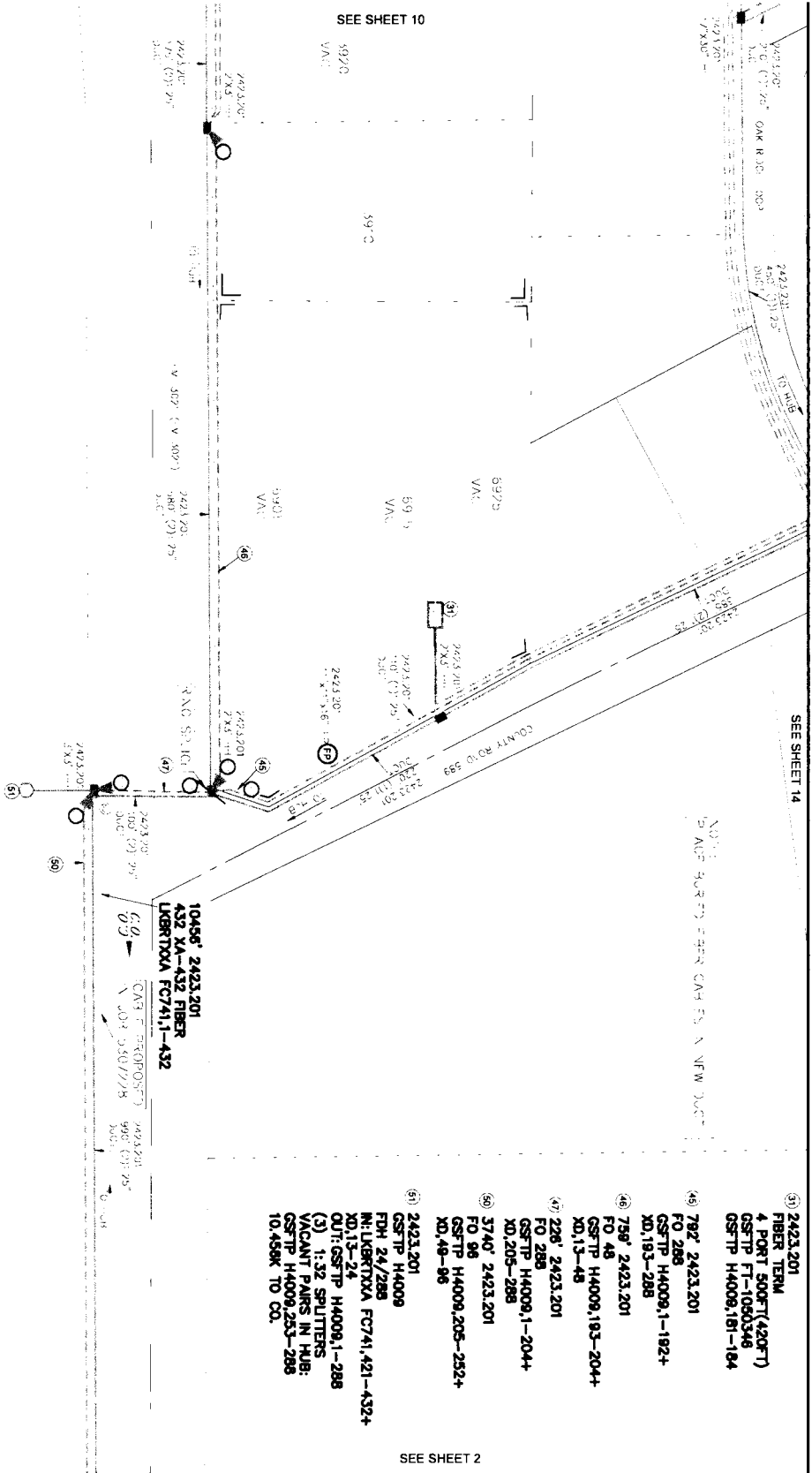


REVISIONS

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4009

PROJECT: 5307229 C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5307229 EXCH. CODE: 7040
 DRAWN DATE: ENGR. CLIENT: BROWN
 08/03/2022 PHONE: N/A FILE: DWG
 SCALE: 1"=100' TAX DISTRICT: 10883 SEC:
 TOWNSHIP: RING

SEE SHEET 10



SEE SHEET 14


- ⑤ 2423 201
FIBER TERM
4 PORT 500FT(420FT)
GSFTP FT-1050346
GSFTP H4009,181-184
- ⑥ 792' 2423,201
FO 288
GSFTP H4009,1-182+
XD,193-288
- ⑦ 792' 2423,201
FO 48
GSFTP H4009,183-204+
XD,13-48
- ⑧ 228' 2423,201
FO 288
GSFTP H4009,1-204+
XD,205-288
- ⑨ 5740' 2423,201
FO 96
GSFTP H4009,205-252+
XD,49-96
- ⑩ 2423,201
GSFTP H4009
FDH 24/288
N:LIBERTYXIA FC741,421-432+
XD,13-24
OUT:GSFTP H4009,1-288
(3) 1:32 SPLITTERS
VACANT Pairs IN HUB:
GSFTP H4009,253-288
10,459K TO CO.

SEE SHEET 2

UNITS / ACCT CODES

FP004	1
FP030	3
FP017	1
FS26	188
FS27	96
FP029	1230
FP432	220
FP584	5517
FP588	1
FP58D	1
FS14A	1
FS50	8
FS14A	1
FS50	12
FS14A	1
FS50	12
FS14A	1
FS53	252
FP58A	560
FP58B	2340

REVISIONS


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4009

PROJECT: 5307229 CO AREA: LAKE BROWNWOOD
 NUMBER: EXCH CODE: 70440
 DRAWN DATE: ENGR: CLIENT: BROWN
 08/03/2022 PHONE: N/A CNTY: FILE:
 SCALE: 1"=100' TAX DISTRICT: 10883 DWG: 1 OF 23
 TWSHP: RNG: SEC:

⑤ 3740' 2423.201
 FO 86
 CSF TP H4009,205-282+
 20,49-98


NO. 1
 PLACED: JACK HUBER, CA3-15-N, W 200

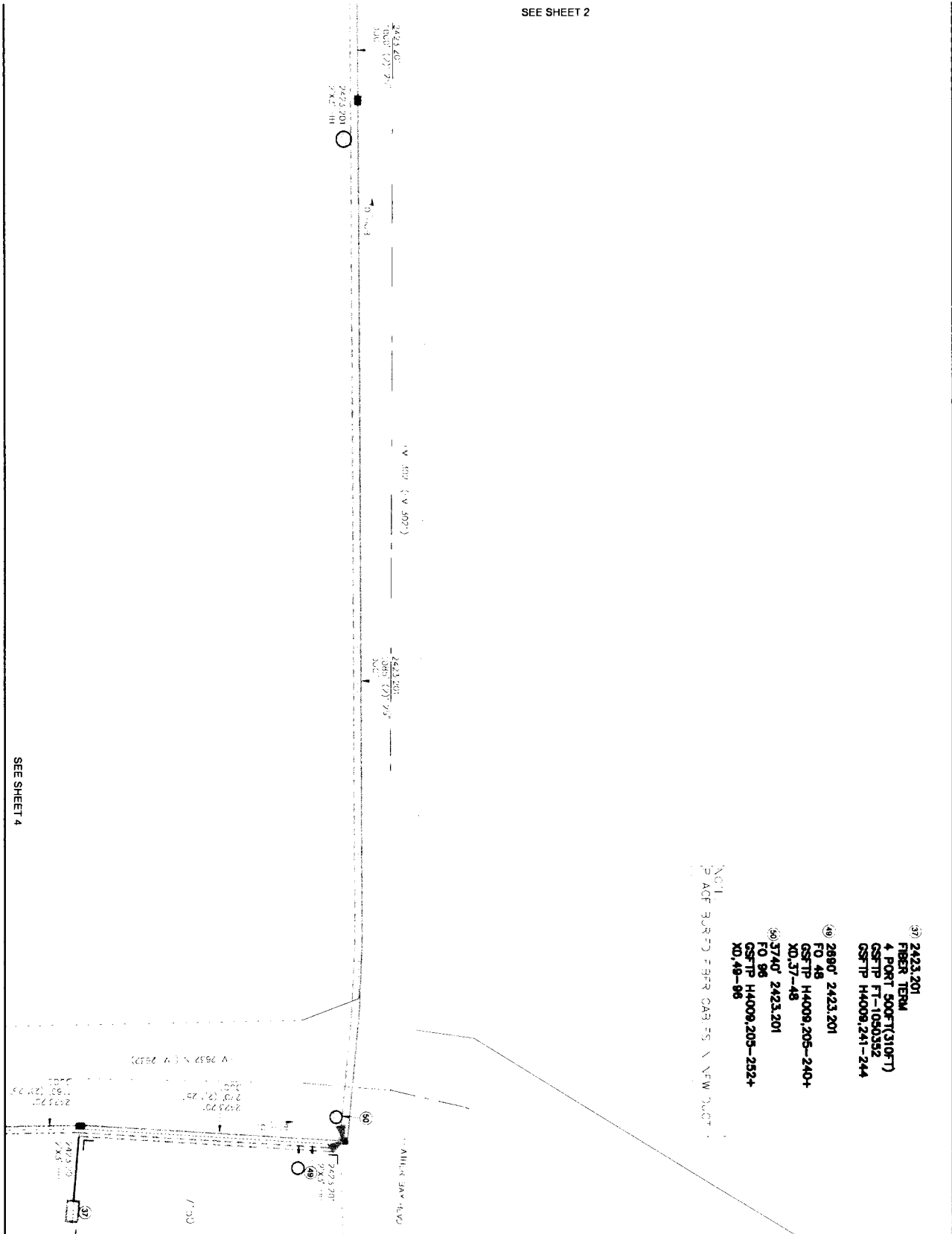


SEE SHEET 3

UNITS / ACCT CODES	
FP58B	1
FP59B	1000

REVISIONS	

 <p>Frontier COMMUNICATIONS</p>	
PROJECT: 5307229 NUMBER: 5307229 DRAWN DATE: ENGR: N/A SCALE: 1"=100' TOWNSHIP: 10363 RANGE: 23	C.O. AREA: LAKE BROWNWOOD EXCH. CODE: 70440 CLIENT: BROWN FILE: 2 OF: 23



- 37 2423.201
FIBER TERM
4 PORT 500FT(310FT)
CSFTP FT-1090352
CSFTP H4009/241-244
- 49 2890' 2423.201
FO 48
CSFTP H4009,205-240+
XD,37-48
- 50 5740' 2423.201
FO 96
CSFTP H4009,205-252+
XD,48-96

NOT TO SCALE SURF TO REFER QAS PG 1 NEW 3/07

SEE SHEET 4

UNITS / ACCT CODES

FP017	1
FP029	310
FP43F	2890
FP98B	3
FS14A	1
FSS1	40
FP99B	2635

REVISIONS

PROJECT: 5307229
 NUMBER: 5307229
 DRAWN DATE: 08/03/2022
 SCALE: 1"=100'
 TOWNSHIP: R10G
 CO. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 CLIENT: CNIY
 PHONE: N/A
 FILE: BROWN
 TAX DISTRICT: 10363
 SEC: 3 OF 23



FDH HUB HA009

SEE SHEET 3

(49) 2890' 2423.201
FO 49
GSP TP H4009, 206-240+
X0.57-49

NOTE:
30' RADIUS CURVES IN NW QUARTER

(49)

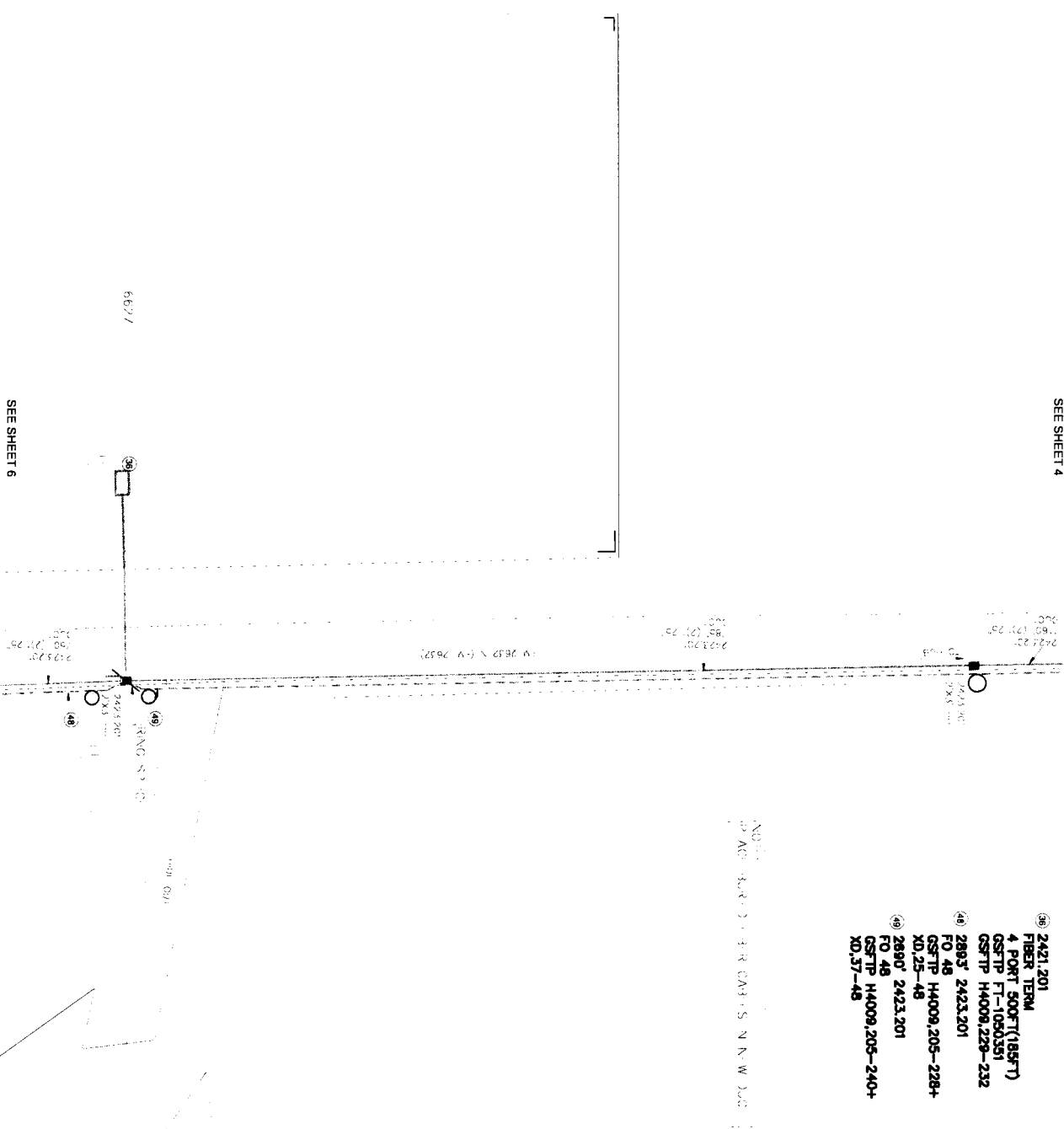
SEE SHEET 5

REVISIONS

.....
Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4009

PROJECT: 5307229 C/D AREA: LAKE BROWNWOOD
 NUMBER: 5307229 EXCH. CODE: 7040
 DRAWN DATE: ENGR. CLIENT: BROWN
 09/03/2022 PHONE: N/A CNTY: BROWN
 SCALE: 1"=100' TAX DISTRICT: 10363 DWG: 4 OF 23
 TWSHP: RING SEC:

SEE SHEET 4



SEE SHEET 6


- ④ 2423.201
FIBER TERM
4 PORT 500FT(185FT)
CSFTP FT-1050351
CSFTP H4009,229-232
- ④ 2893' 2423.201
FO 48
CSFTP H4009,205-228+
XD,25-48
- ④ 2890' 2423.201
FO 48
CSFTP H4009,205-240+
XD,37-48

NOTES:
1. ALL DIMENSIONS ARE IN FEET AND INCHES.
2. ALL DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE.

UNITS / ACCT CODES

FP015	1
FP029	45
FP033A	140
FP43F	2893
FP58B	2
FS14A	1
FSS0	4
FP59B	1415

REVISIONS



Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FDH HUB H4009

PROJECT NUMBER: 5307229
 C/O AREA: LAKE BROWNWOOD
 DRAWN DATE: ENGR. CLIENT: EXCH CODE: 70440
 09/03/2022 PHONE: N/A CNTY: BROWN
 SCALE: 1=100 TAX DISTRICT: 10683 DWG: 5 OF 23
 TWSHP: RING SEC:

SEE SHEET 5

2893' 2423.201
FO 48
CSFTP H4009.209-228+
XD.25-48

NOTE: SEE SHEET 3 FOR CIVIL SERVICE N.W. 300

2423.201

2423.201
2423.201
2423.201

2423.201
2423.201

2423.201
2423.201
2423.201

SEE SHEET 7

UNITS / ACCT CODES

FP598 1
FP598 730

REVISIONS

PROJECT: 5307229 C.O. AREA: LAKE BROWNWOOD
NUMBER: 5307229 EXCH. CODE: 70440
DRAWN DATE: ENGR: C/IENT FILE: BROWN
09/03/2022 PHONE: N/A TAX DISTRICT: 10363 DWG: 6 OF 23
SCALE: 1"=100' RING: SEC:
TOWNSHIP:

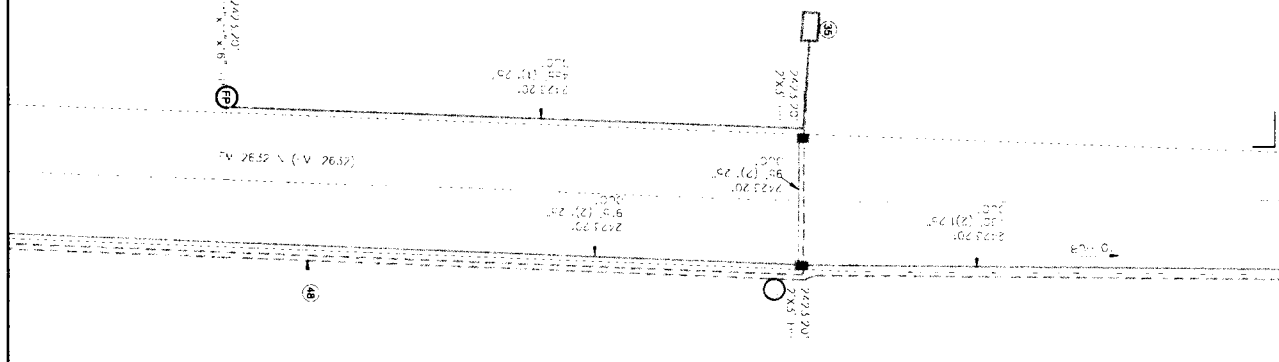


SEE SHEET 8

8623

6275

SEE SHEET 8



(48) 2423.201
 FIBER TERM
 4 PORT 1500FT(1070FT)
 OSFTP FT-1050350
 OSFTP H4009.217-220

(49) 2893.2423.201
 PO 48
 OSFTP H4009.205-228+
 NO.25-48

NO. 25-48
 OSFTP H4009.205-228+
 NO.25-48

UNITS / ACCT CODES	
FP017	1
FP58A	1
FP58B	2
FP59A	455
FP59B	915

REVISIONS	

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4009

PROJECT NUMBER: 5307229
 DRAWN DATE: 09/03/2022
 SCALE: 1"=100'
 TWSHP: RING

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 ENGR: CIVENT
 FILE: BROWN
 TAX DISTRICT: 10863
 DWG: 7 OF 23
 SEC:

SEE SHEET 7

(48) 2993' 2423.201
 FO 48
 GSTP H4009,205-228+
 X0,25-48

NOTICE
 OVERLAYS AREA UNDER CONSTRUCTION
 EXISTING CONDITIONS
 NOT TO SCALE

[REVISIONS]

PROPERTY


CONCRETE

48' x 50' (APPROX)

UNITS / ACCT CODES

FP029	45
FP032	1070
FP033A	1325
FP58B	1
FP98B	10
FS14A	1
FSS0	10
FP47B	50

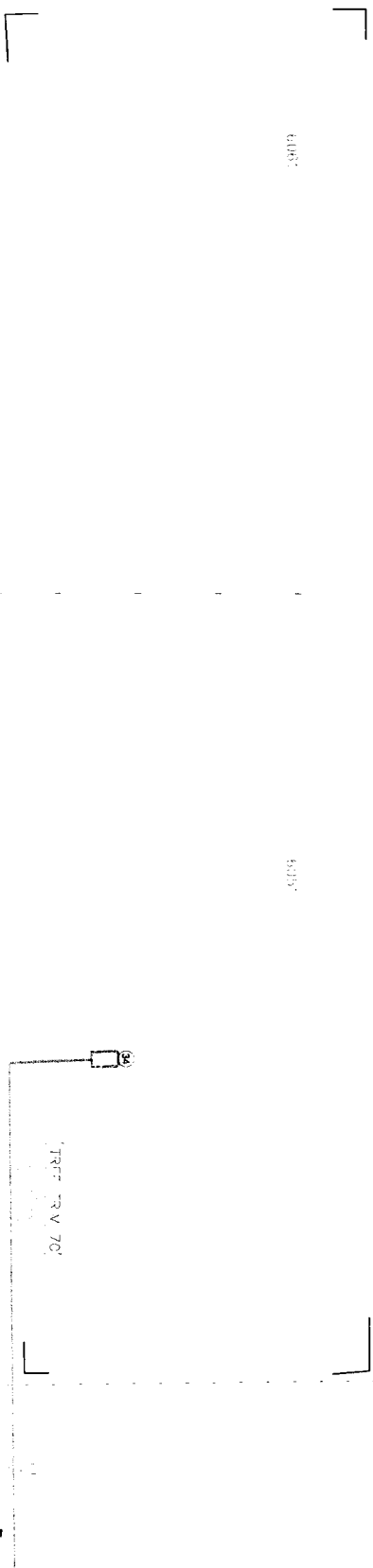
REVISIONS


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4009

PROJECT: 5307229 C/D AREA: LAKE BROWNWOOD
 NUMBER: 5307229 EXCH. CODE: 7040
 DRAWN DATE: ENGR: N/A CLIENT: BROWN
 09/03/2022 PHONE: N/A FILE:
 SCALE: 1"=100' TAX DISTRICT: 1083 DWG: 8 OF 23
 TWSHP: RING: SEC:

6487

6035



TRV 70

TRF TRV 70

10.00 FT

SEE SHEET 8

④ 2/21/201
 FIBER TERM
 6 PORT 1500FT(1570FT)
 GSFTP FT-1050,49
 GSFTP H4009,205-210


NO. 1
 OVER AS- A-K-A
 T-X-S NO. 002114

UNITS / ACCT CODES

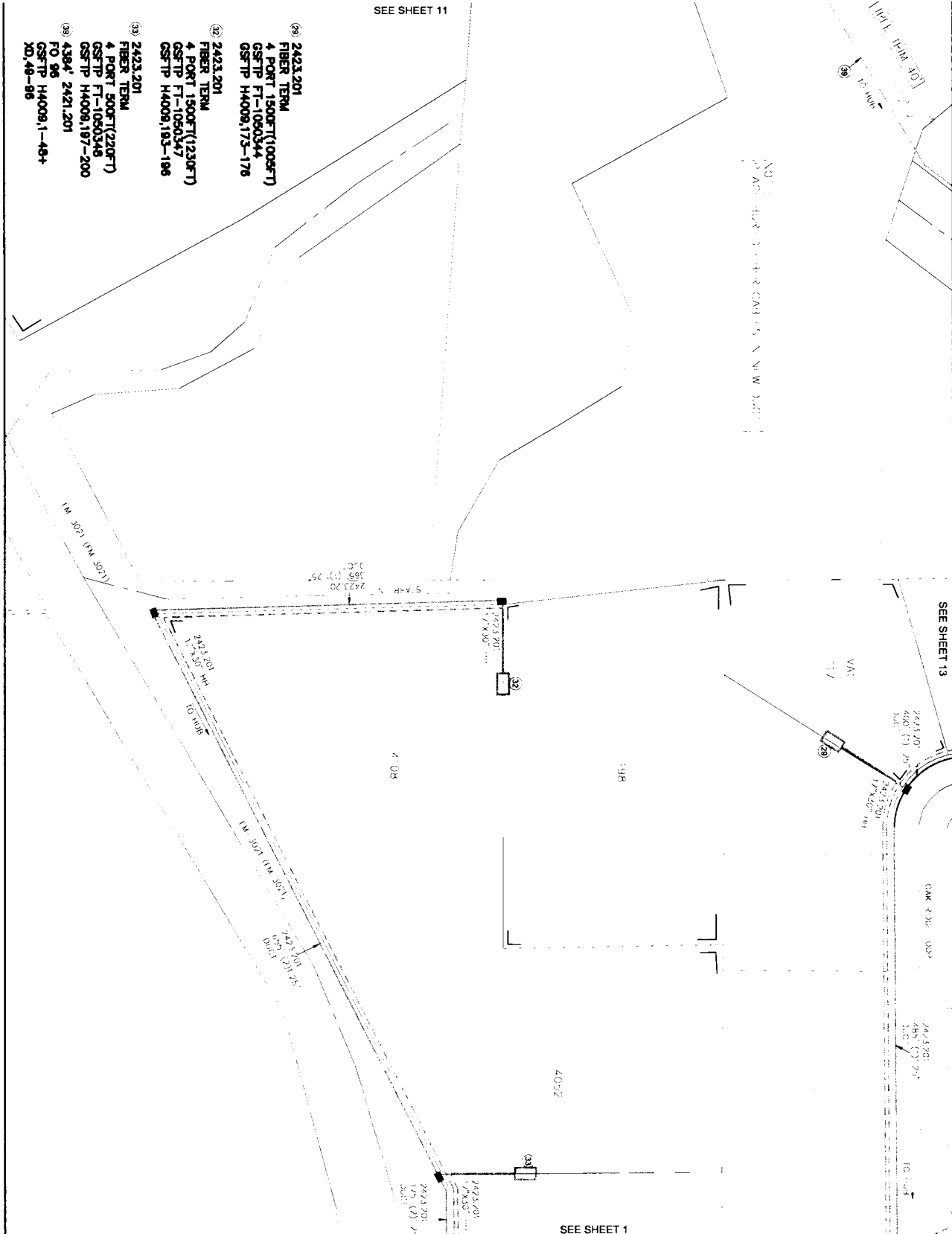
FP01S 1
 FP41B 70

REVISIONS

NO.	DATE	BY	DESCRIPTION


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4009

PROJECT: 5307229 C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5307229 EXCH. CODE: 70440
 DRAWN DATE: ENGR: N/A CLIENT: BROWN
 09/03/2022 PHONE: N/A FILE:
 SCALE: 1"=100' TAX DISTRICT: 10383 DWG: 9 OF: 23
 TWSHP: RING: SEC:




- (96) 2423.201
FIBER TERM
4 PORT 1500FT(1009FT)
CSFTP FT-1090344
CSFTP H4009,173-176
- (97) 2423.201
FIBER TERM
4 PORT 1500FT(1230FT)
CSFTP FT-1090347
CSFTP H4009,193-186
- (98) 2423.201
FIBER TERM
4 PORT 1500FT(1093FT)
CSFTP FT-1090348
CSFTP H4009,197-200
- (99) 43964' 2421.201
FO 96
CSFTP H4009,1-484
XD,49-96

SEE SHEET 1

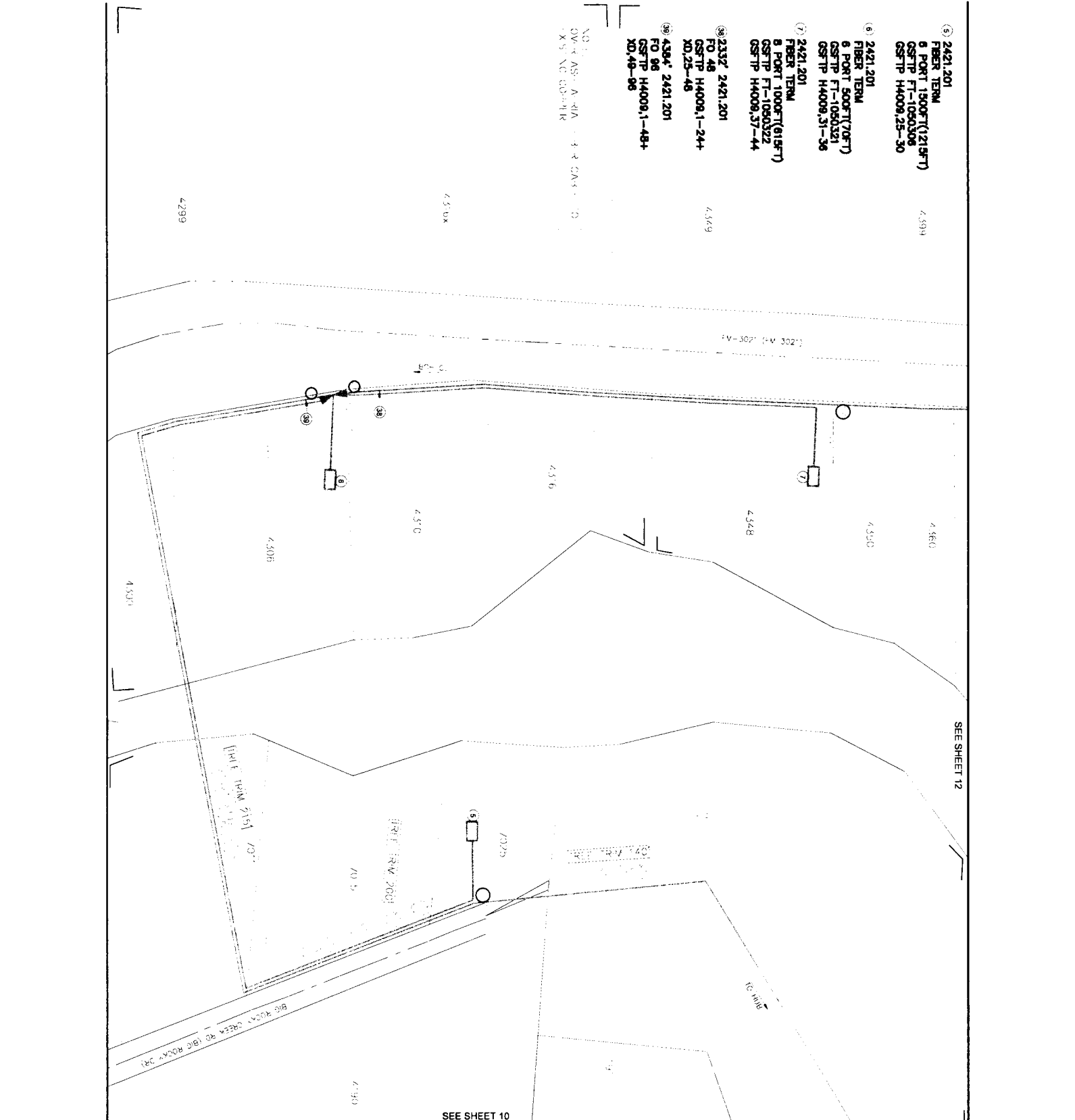
UNITS / ACCT CODES	
FP017	3
FP588	4
FP59A	850
FP59B	655

REVISIONS



Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FDH HUB H4009

PROJECT: 5307229	CO AREA: LAKE BROWNWOOD
NUMBER: 5307229	EXCH CODE: 70440
DRAWN DATE: ENGR: N/A	CLIENT: BROWN
09/03/2022	PHONE: N/A
SCALE: 1"=100'	TAX DISTRICT: 10363
DWG: 10	SEC: 23
TWNSHP: RING	



- ⑤ 2421.201
FIBER TERM
8 PORT 1500FT(1215FT)
CSFTP FT-1050306
CSFTP H4009,25-30

- ⑥ 2421.201
FIBER TERM
6 PORT 500FT(70FT)
CSFTP FT-1050321
CSFTP H4009,31-36

- ⑦ 2421.201
FIBER TERM
8 PORT 1000FT(615FT)
CSFTP FT-1050322
CSFTP H4009,37-44

- ⑧ 2332' 2421.201
FO 48
CSFTP H4009,1-24+

- ⑨ 4394' 2421.201
FO 96
CSFTP H4009,1-48+

NO. 1
OV & AS - A - 40A - 3 & GAS - 10
X'S NO. CO. 41R

SEE SHEET 12

SEE SHEET 10

UNITS / ACCT CODES

FP015	3
FP034A	345
FP034A	685
FP033B	670
FP22D	2332
FP47B	335
FS14A	1
FS51	44

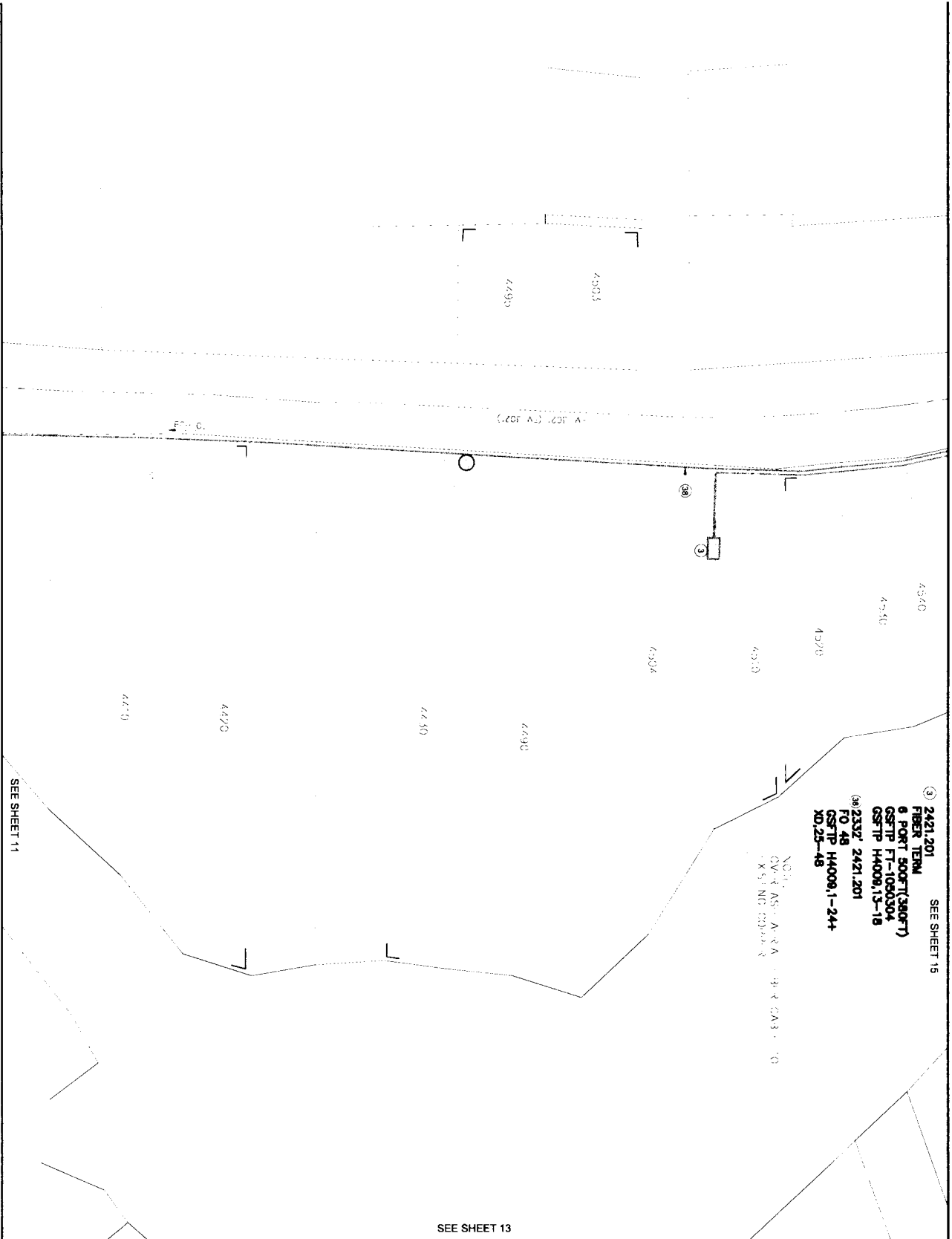
REVISIONS



Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FDH HUB H4009

PROJECT NUMBER: 5307229
DRAWN DATE: ENGR. N/A
09/03/2022 PHONE: N/A
SCALE: 1"=100' TAX DISTRICT: 10983 DWG: 11 OF 23
TWSHP: RNC

C.O. AREA: LAKE BROWNWOOD
ENCL. CODE: 7040
CLIENT: BROWN
FILE:
SEC:



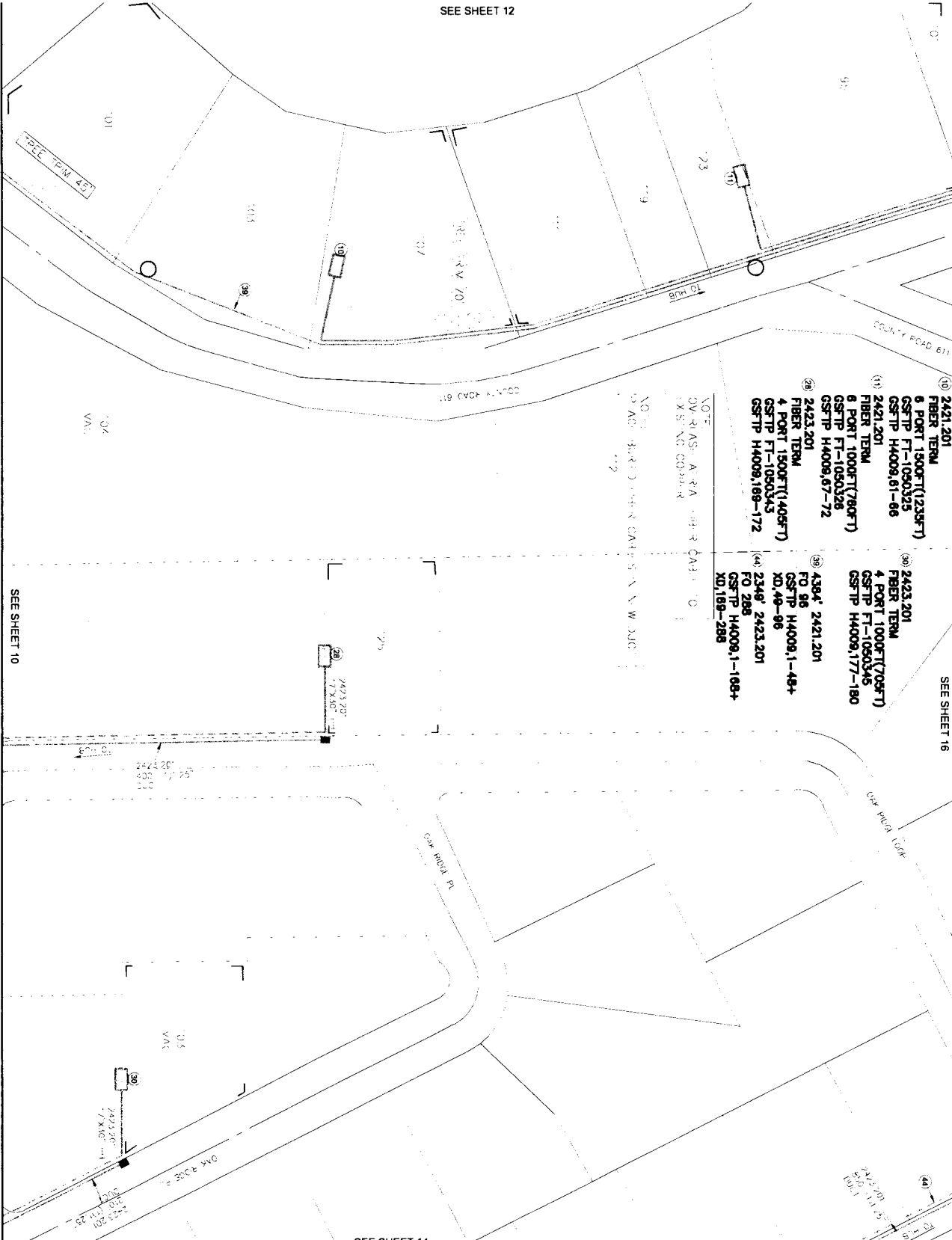
2421,201 SEE SHEET 15
 FIBER TRM
 8 PORT SOUT(380FT)
 CS#TP FT-1050304
 CS#TP H4009,13-18
 (38)2332' 2421,201
 FO 48
 CS#TP H4009,1-244
 X0,25-48

NOTES:
 1. ALL AS-BUILT AREAS TO BE EXPOSED TO THE PUBLIC SHALL BE PROTECTED BY CHAINS AND CONES.

SEE SHEET 13

SEE SHEET 11

UNITS / ACCT CODES FPO15 1	
REVISIONS	
<p> Frontier COMMUNICATIONS LAKE BROWNWOOD FDH HUB H4009 </p>	
PROJECT NUMBER: 5307229 DRAWN DATE: 09/03/2022 SCALE: 1"=100' TWSHIP: RING	C.O. AREA: LAKE BROWNWOOD EXCH CODE: 70440 CLIENT: BROWN COUNTY: BROWN TAX DISTRICT: 10983 DWG: 12 OF 23 SEC:



SEE SHEET 16

SEE SHEET 14

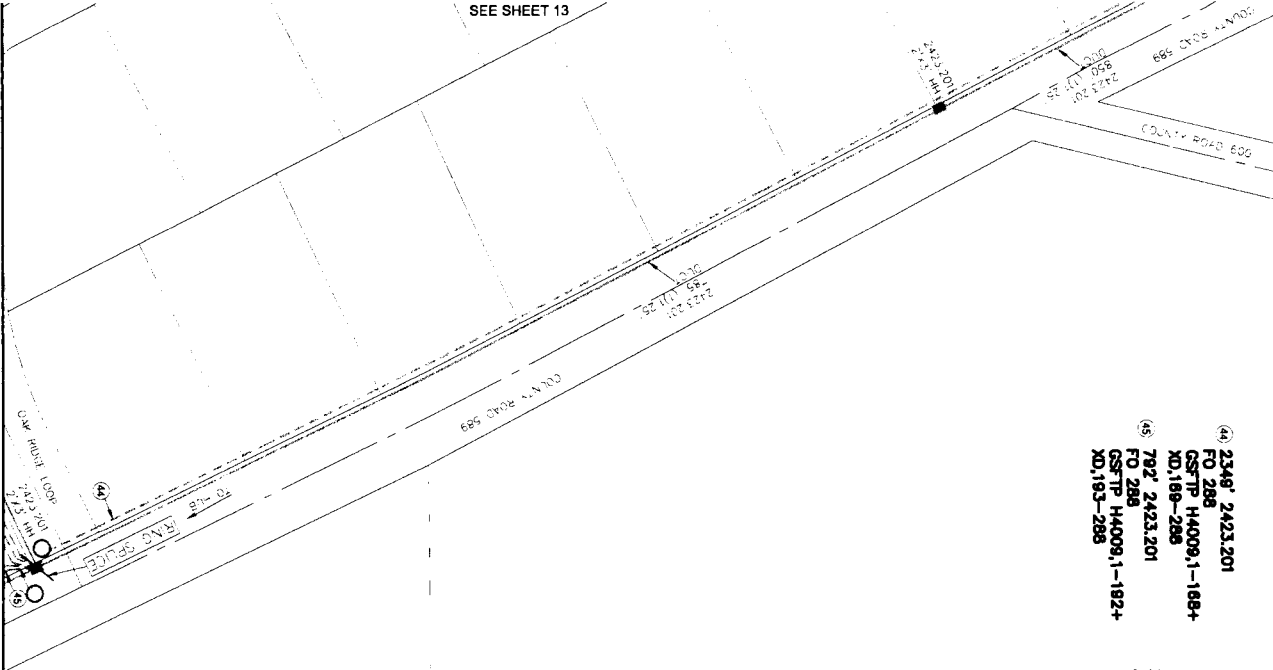
UNITS / ACCT CODES	
FP015	2
FP017	2
FP47B	115
FP56B	2
FP99A	610

REVISIONS

PROJECT: 5307229
 NUMBER: 10440
 DRAWN DATE: ENGR: N/A
 09/03/2022 PHONE: N/A
 SCALE: 1"=100' TAX DISTRICT: 10383 DWG: 13 OF 23
 TMSHP: RING



C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 CNTY: BROWN
 FILE: 13 OF 23



- (4) 2349' 2423.201
- FO 288
- GSTP H4009,1-188+
- NO.188-288
- (5) 792' 2423.201
- FO 288
- GSTP H4009,1-182+
- NO.183-288

NOTE: HUB 2 HUB 15 N.W. 20.0'

SEE SHEET 1

UNITS / ACCT CODES

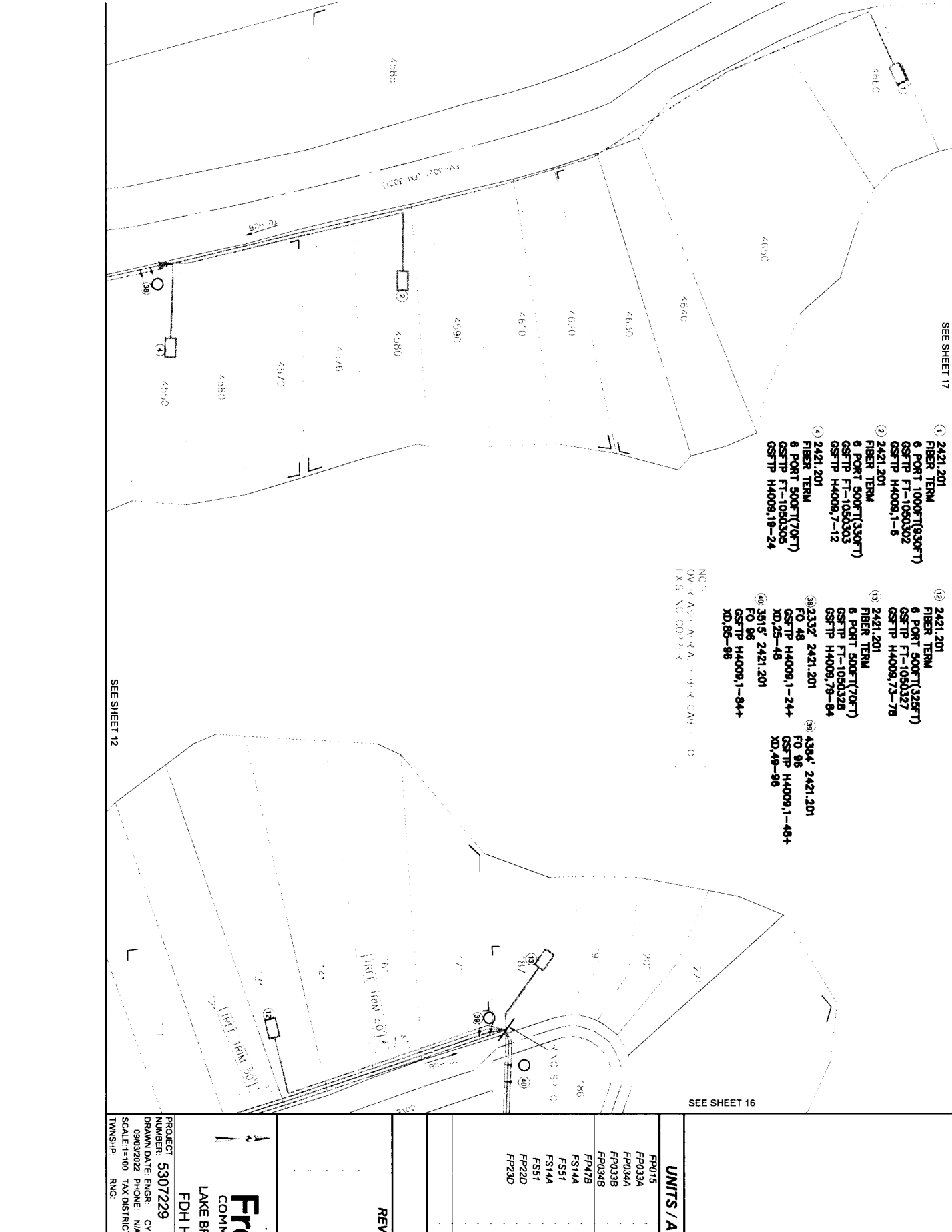
FP029	1405
FP032	2130
FP43F	2349
FP58B	2
FP99A	785
FS14A	1
FSS1	16

REVISIONS

PROJECT: 5307229
 NUMBER: 5307229
 DRAWN DATE: ENGR: N/A
 SCALE: 1"=100'
 TOWNSHIP: R10G

C/D AREA: LAKE BROWNWOOD
 EXCH. CODE: 7040
 CLIENT: BROWN
 FILE: 14
 OF: 23





SEE SHEET 17

- ① 2421.201
FIBER TERM
6 PORT 1000FT(930FT)
GSTP FT-1050302
GSTP H4009,1-8
- ② 2421.201
FIBER TERM
6 PORT 500FT(330FT)
GSTP FT-1050303
GSTP H4009,7-12
- ③ 2421.201
FIBER TERM
6 PORT 500FT(70FT)
GSTP FT-1050328
GSTP H4009,78-84
- ④ 2421.201
FIBER TERM
6 PORT 500FT(70FT)
GSTP FT-1050305
GSTP H4009,19-24

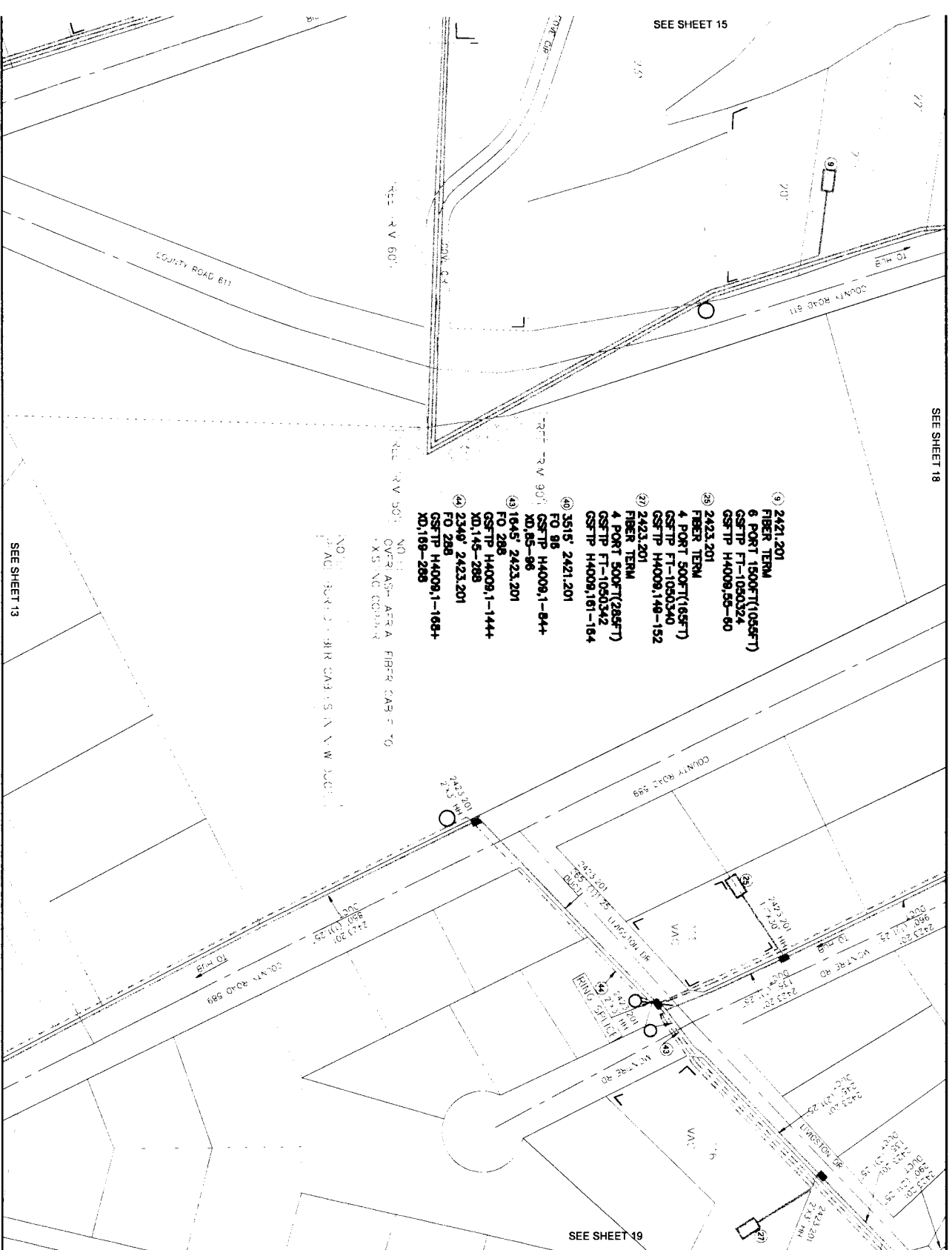
- ⑤ 2421.201
FIBER TERM
6 PORT 500FT(325FT)
GSTP FT-1050327
GSTP H4009,75-78
- ⑥ 2421.201
FIBER TERM
6 PORT 500FT(70FT)
GSTP FT-1050328
GSTP H4009,78-84
- ⑦ 2421.201
FIBER TERM
6 PORT 500FT(70FT)
GSTP FT-1050328
GSTP H4009,78-84
- ⑧ 2421.201
FIBER TERM
6 PORT 500FT(70FT)
GSTP FT-1050328
GSTP H4009,78-84
- ⑨ 2421.201
FIBER TERM
6 PORT 500FT(70FT)
GSTP FT-1050328
GSTP H4009,78-84
- ⑩ 2421.201
FIBER TERM
6 PORT 500FT(70FT)
GSTP FT-1050328
GSTP H4009,78-84

NO. 1
OVERLAP AREA - 9.8K CM3 - 0
EX. NO. 000000

SEE SHEET 16

SEE SHEET 12

<p style="text-align: center;">Frontier COMMUNICATIONS LAKE BROWNWOOD FDH HUB H4009</p>	<p>PROJECT: 5307229 NUMBER: 5307229 DRAWN DATE: ENGR: CLIENT: FILE: 09/03/02 SCALE: 1"=100' TAX DISTRICT: 10883 DWG: 15 OF 23 TOWNSHIP: RING</p>	<p>C.O. AREA: LAKE BROWNWOOD EXCH. CODE: 7044D CNTY: BROWN FILE: 15 OF 23</p>																										
<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			NO.	DATE	DESCRIPTION																							
NO.	DATE	DESCRIPTION																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">UNITS / ACCT CODES</th> </tr> </thead> <tbody> <tr> <td>FP015</td> <td style="text-align: right;">5</td> </tr> <tr> <td>FP033A</td> <td style="text-align: right;">1775</td> </tr> <tr> <td>FP034A</td> <td style="text-align: right;">3675</td> </tr> <tr> <td>FP033B</td> <td style="text-align: right;">555</td> </tr> <tr> <td>FP034B</td> <td style="text-align: right;">550</td> </tr> <tr> <td>FP47B</td> <td style="text-align: right;">100</td> </tr> <tr> <td>FS14A</td> <td style="text-align: right;">1</td> </tr> <tr> <td>FS51</td> <td style="text-align: right;">24</td> </tr> <tr> <td>FS14A</td> <td style="text-align: right;">1</td> </tr> <tr> <td>FS51</td> <td style="text-align: right;">36</td> </tr> <tr> <td>FP22D</td> <td style="text-align: right;">2919</td> </tr> <tr> <td>FP23D</td> <td style="text-align: right;">1465</td> </tr> </tbody> </table>			UNITS / ACCT CODES		FP015	5	FP033A	1775	FP034A	3675	FP033B	555	FP034B	550	FP47B	100	FS14A	1	FS51	24	FS14A	1	FS51	36	FP22D	2919	FP23D	1465
UNITS / ACCT CODES																												
FP015	5																											
FP033A	1775																											
FP034A	3675																											
FP033B	555																											
FP034B	550																											
FP47B	100																											
FS14A	1																											
FS51	24																											
FS14A	1																											
FS51	36																											
FP22D	2919																											
FP23D	1465																											



SEE SHEET 13

- ⑨ 2421,201
FIBER TERM
6 PORT 1500FT(1059FT)
CSFTP FT-1050324
CSFTP H4009,55-60
- ⑩ 2423,201
FIBER TERM
4 PORT 500FT(165FT)
CSFTP FT-1050340
CSFTP H4009,148-152
- ⑪ 2423,201
FIBER TERM
4 PORT 500FT(289FT)
CSFTP FT-1050342
CSFTP H4009,161-164
- ⑫ 3515', 2421,201
FO 98
- ⑬ 1045', 2423,201
FO 288
CSFTP H4009,1-1444
XD,145-288
- ⑭ 2340', 2423,201
FO 298
CSFTP H4009,1-1684
XD,169-288

NO. 1045' 2423,201
OVERLAP AREA FIBER CAS F TO
XIS NO. 1045-98

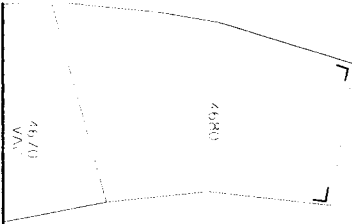
UNITS / ACCT CODES	
FP015	1
FP017	2
FP029	1145
FP032	1190
FP43F	1645
FP58B	4
FP59A	1250
FP59B	380
FS14A	1
FS31	16
FP47B	200

REVISIONS	

PROJECT: 5307229	C.D. AREA: LAKE BROWNWOOD
NUMBER: 5307229	EACH CODE: 70440
DRAWN DATE: ENGR: N/A	CLIENT: BROWN
09/03/2022	PHONE: N/A
SCALE: 1"=100'	TAX DISTRICT: 10883
TWNSHIP: RING	DWG: 16 OF 23
	SEC:



FDH HUB H4009




SEE SHEET 15

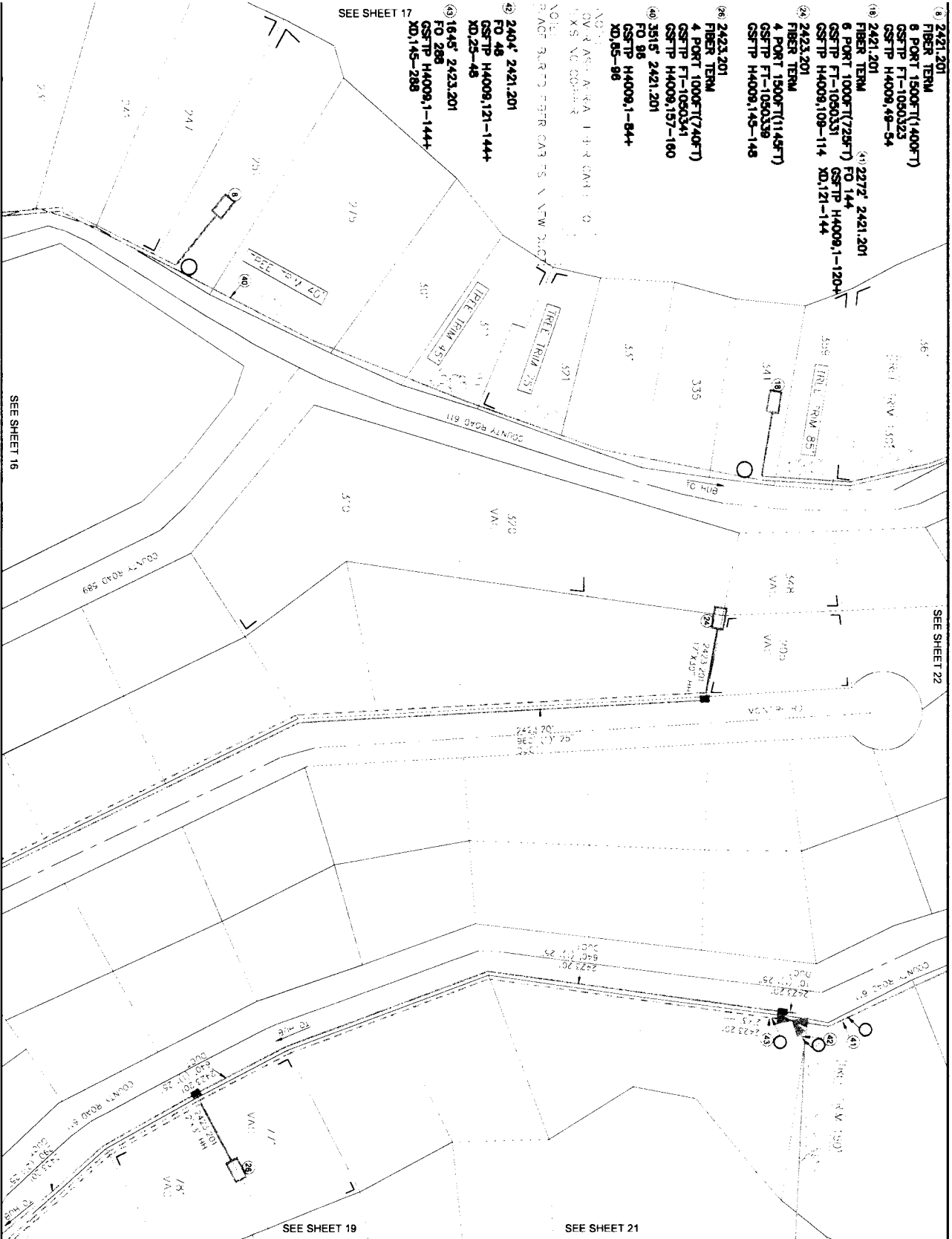
SEE SHEET 18

REVISIONS

NO.	DATE	DESCRIPTION


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4009

PROJECT NUMBER: 5307229	C/D AREA: LAKE BROWNWOOD
DRAWN DATE: ENGR: 09/03/2022	EXCH. CODE: 7040
PHONE: N/A	CYIENT: BROWN
TAX DISTRICT: 10383	FILE: 17
DWG: 17	OF: 23
TWNESHIP: RING	SEC:

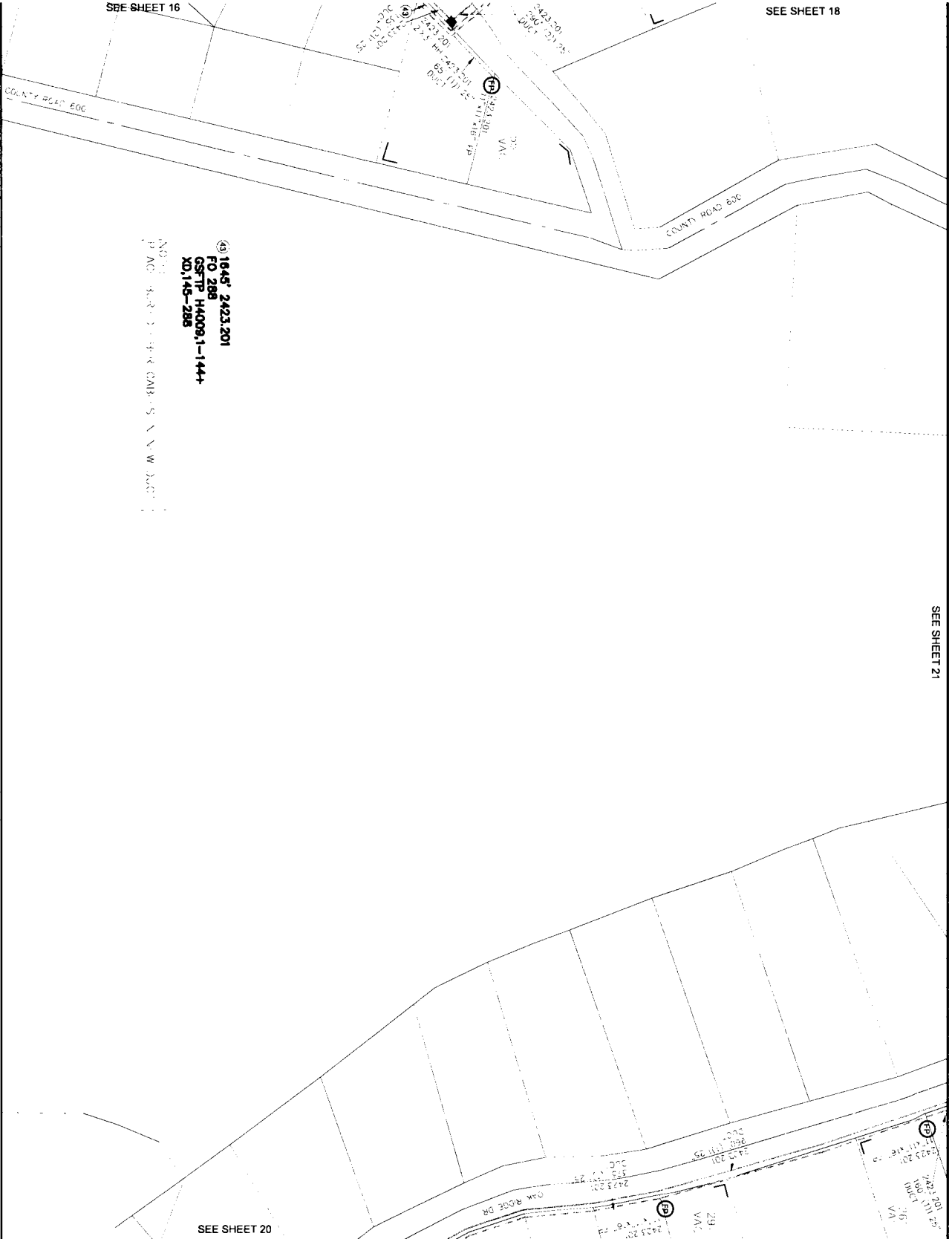


UNITS / ACCT CODES	
FP015	2
FP017	2
FP220	4116
FP230	560
FP47B	526
FP58B	3
FP59A	1610
FP59B	290
FS14A	1
FS32	144

REVISIONS	

<p>Frontier COMMUNICATIONS LAKE BROWNWOOD FDH HUB HA009</p>	<p>LAKE BROWNWOOD EXCH CODE: 70440 CITY: BROWN COUNTY: TARRANT STATE: TX</p>
--	--

<p>PROJECT: 5307229 DRAWN DATE: ENGR: N/A SCALE: 1"=100'</p>	<p>TAX DISTRICT: 10863 DWS: 18 OF: 23</p>
--	---



SEE SHEET 21

1645' 2423.201
 FO 288
 CS/TP H4009,1-1444
 X0,145-288

NOTE:
 1. ALL DIMENSIONS ARE IN FEET AND INCHES.
 2. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
 3. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE ROAD UNLESS OTHERWISE NOTED.
 4. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LOT UNLESS OTHERWISE NOTED.
 5. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LOT UNLESS OTHERWISE NOTED.
 6. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LOT UNLESS OTHERWISE NOTED.
 7. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LOT UNLESS OTHERWISE NOTED.
 8. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LOT UNLESS OTHERWISE NOTED.
 9. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LOT UNLESS OTHERWISE NOTED.
 10. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE LOT UNLESS OTHERWISE NOTED.

SEE SHEET 20

<p> Frontier COMMUNICATIONS LAKE BROWNWOOD FDH HUB H4009 </p>											
<p> PROJECT NUMBER: 5307229 DRAWN DATE: 09/03/2022 SCALE: 1"=100' TMSHP: </p>	<p> CO AREA: LAKE BROWNWOOD EXCH CODE: 70440 CLIENT: BROWN FILE: TAX DISTRICT: 10363 DWG: 19 OF 23 SEC: </p>										
<p>REVISIONS</p>											
<table border="1"> <thead> <tr> <th>UNITS / ACCT CODES</th> <th></th> </tr> </thead> <tbody> <tr> <td>FP58A</td> <td>3</td> </tr> <tr> <td>FP58B</td> <td>1</td> </tr> <tr> <td>FP58A</td> <td>340</td> </tr> <tr> <td>FP58B</td> <td>685</td> </tr> </tbody> </table>		UNITS / ACCT CODES		FP58A	3	FP58B	1	FP58A	340	FP58B	685
UNITS / ACCT CODES											
FP58A	3										
FP58B	1										
FP58A	340										
FP58B	685										

SEE SHEET 19



(b) 2423-201
 FIBER TERM
 4 PORT 1500F(1289FT)
 GSTP FT-1050335
 GSTP H4009,121-124

NOTE: BURIED - B-R OVER S-V W 240'

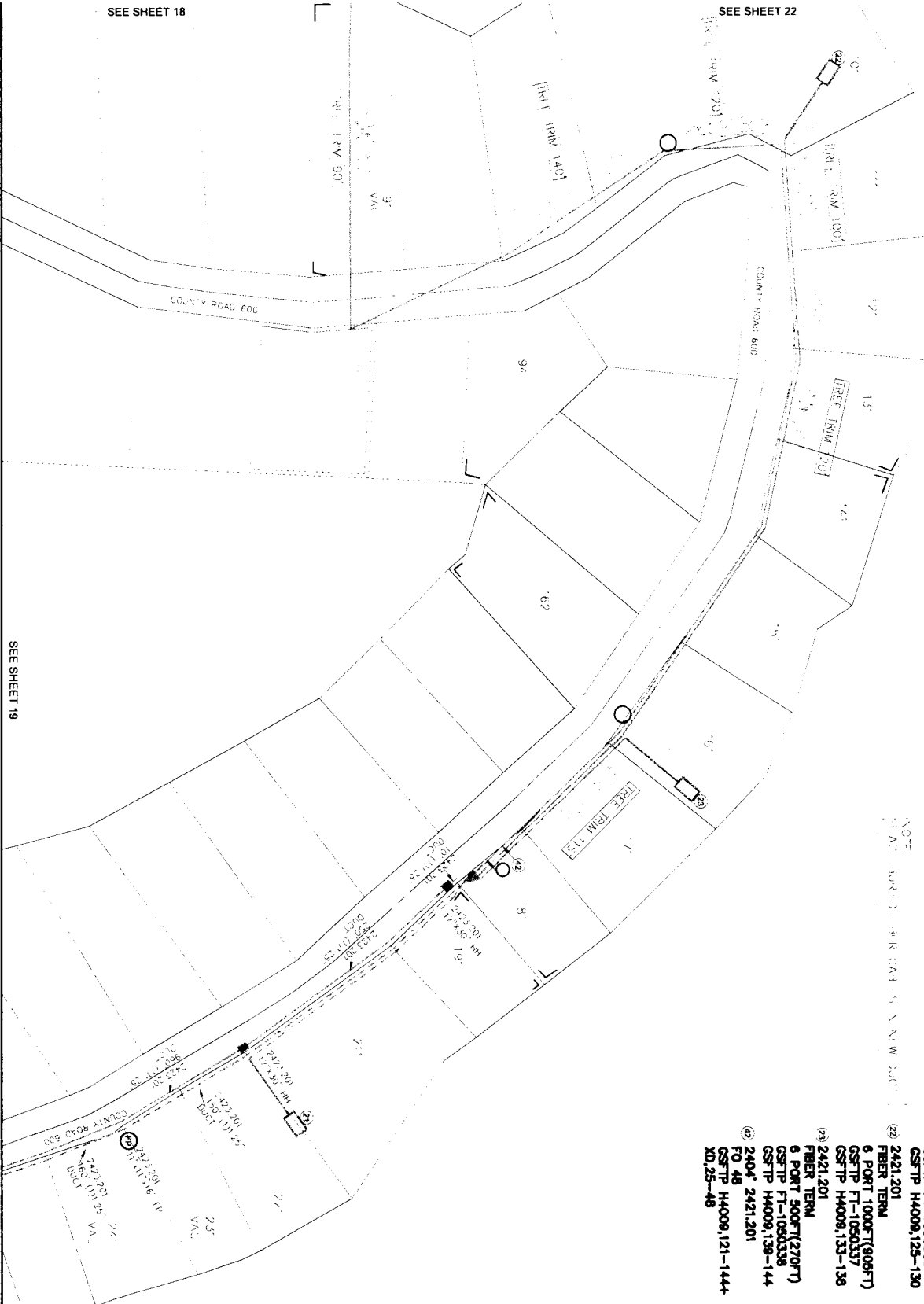
UNITS / ACCT CODES	
FP017	1
FP58A	1
FP58B	1
FP59A	225

REVISIONS



PROJECT: FDH HUB H4009
 NUMBER: 5307229
 DRAWN DATE: 09/02/02
 SCALE: 1"=100'
 TOWNSHIP: RING

C/O AREA: LAKE BROWNWOOD
 EXCH. CODE: 7044
 CLIENT: BROWN
 FILE: BROWN
 TAX DISTRICT: 10883
 DWG: 20 OF 23
 SEC:



NOTE: 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

- (2) 2423,201 FIBER TERM
- 6 PORT 300T(339FT)
- CSFTP FT-1050338
- CSFTP H4009,135-130
- (2) 2421,201 FIBER TERM
- 6 PORT 1000T(909FT)
- CSFTP FT-1050337
- CSFTP H4009,133-138
- (2) 2421,201 FIBER TERM
- 6 PORT 300T(270FT)
- CSFTP FT-1050336
- CSFTP H4009,139-144
- (4) 2404, 2421,201
- FD 48
- CSFTP H4009,121-144+
- XD,25-48

UNITS / ACCT CODES

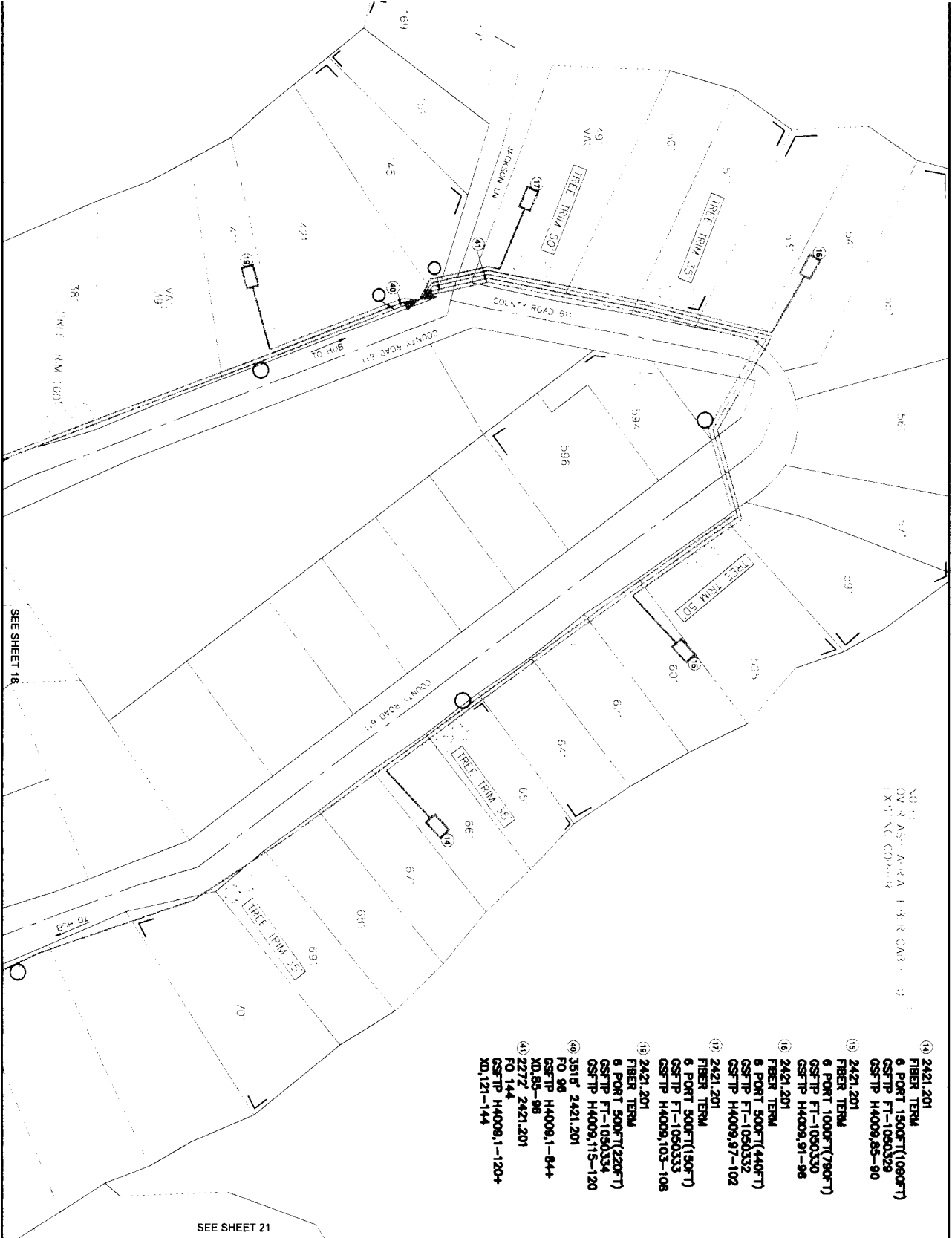
FP015	2
FP017	1
FP029	1296
FP032	336
FP034A	1176
FP58A	1
FP58B	2
FP58A	260
FS14A	1
FSS1	22
FP47B	695

REVISIONS

PROJECT: 5307229
 NUMBER: 5307229
 DRAWN DATE: 09/03/2022
 SCALE: 1"=100'
 TMSHP: RNC

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4009

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 CLIENT: BROWN
 PHONE: N/A
 TAX DISTRICT: 10363
 DWG: 21 OF 23
 SEC:



NO. 11
 OVER AND ABOVE THE ROAD
 JACKSON CO. MISSOURI

- ⑫ 2421,201
 FIBER TERM
 6 PORT 1500FT(1090FT)
 CSFTP FT--1050329
 CSFTP H4009,85-80
- ⑬ 2421,201
 FIBER TERM
 6 PORT 1000FT(780FT)
 CSFTP FT--1050330
 CSFTP H4009,91-96
- ⑭ 2421,201
 FIBER TERM
 6 PORT 500FT(440FT)
 CSFTP FT--1050332
 CSFTP H4009,87-102
- ⑮ 2421,201
 FIBER TERM
 6 PORT 500FT(150FT)
 CSFTP FT--1050333
 CSFTP H4009,103-108
- ⑯ 2421,201
 FIBER TERM
 6 PORT 500FT(220FT)
 CSFTP FT--1050334
 CSFTP H4009,115-120
- ⑰ 2421,201
 CSFTP H4009,1-84+
- ⑱ 2421,201
 CSFTP H4009,1-120+
- ⑲ 2421,201
 CSFTP H4009,1-120+
- ⑳ 2421,201
 CSFTP H4009,1-120+

SEE SHEET 21

UNITS / ACCT CODES	
FP015	5
FP034A	1090
FP034A	2325
FP22D	2950
FP23D	565
FS14A	1
FSS2	156
FP47B	305

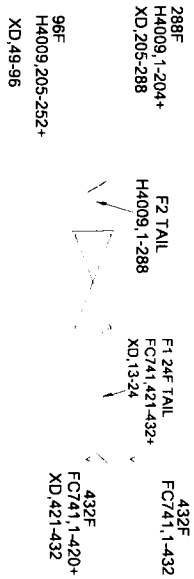
REVISIONS	

<p>PROJECT: 5307229 NUMBER: 5307229 DRAWN DATE: 09/03/2022 SCALE: 1"=100' TNSHP: RNC</p>	<p>C.O. AREA: LAKE BROWNWOOD EXCH CODE: 70440 CLIENT: BROWN CNTY: BROWN FILE: 22 OF 23 TAX DISTRICT: 10383 DWG: SEC</p>
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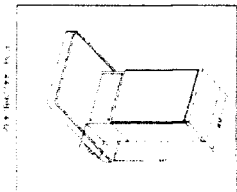
Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4009

SEE SHEET 18

288 FDH SPLICE DETAIL
H4009



70440-5307229
OPP 6901 COUNTY ROAD 589
H4009(288)
SPLITTERS 1:32



SPLITTER	IN	OUT	HUB
	FC741, 421-421	H4009A, 1-32	IN H4009A, 1-32
	H4009B, 1-32	H4009C, 1-32	IN H4009B, 1-32
	FC741, 422-422	XD 13-24	IN H4009C, 1-32
	H4009B, 1-32	FC741, 423-423	IN FC741, 421-432+
	H4009C, 1-32	H4009A, 1-32	OUT H4009, 1-288

PROPOSED FDH LOCATION
OPP 6901 COUNTY ROAD 589, BROWNWOOD, TX, 76801

HUB ID	H4009
MATERIAL CODE	F3H-1G288UE
MANUFACTURER	COMMSCOPE
TYPE	FDH CABINET 24/288TYP PAD GEN 3
IN	H4009A, 1-32
IN	H4009B, 1-32
IN	H4009C, 1-32
IN	XD, 13-24
IN	FC741, 421-432+
OUT	H4009, 1-288
SPLITTER ID	H4009A
MATERIAL CODE	FPS-G2LPP1AJ
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741, 421-421
OUT	H4009A, 1-32
SPLITTER ID	H4009B
MATERIAL CODE	FPS-G2LPP1AJ
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741, 422-422
OUT	H4009B, 1-32
SPLITTER ID	H4009C
MATERIAL CODE	FPS-G2LPP1AJ
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741, 423-423
OUT	H4009C, 1-32

UNITS ENGINEERED	FIBER INFO FOR THE LONGEST FIBER SERVED BY THIS FDH
LUS(ACTUAL)	156
LUS(FUTURE)	
MUS(ACTUAL)	
MUS(FUTURE)	
BUS(ACTUAL)	
BUS(FUTURE)	

FEEDER	DISTRIBUTION	TOTAL OF FEEDER & DISTRIBUTION
CABLE #	FC741	H4009
FIBER #	421	1
SPLICES	2	9
LENGTH	10.48KFT	13.77KFT
		24.25KFT

REVISIONS

PROJECT: 5307229
DRAWN DATE: 09/03/2022
SCALE: 1"=100'

Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FDH HUB H4009

C.O. AREA: LAKE BROWNWOOD
EXCH. CODE: 70440
CLIENT: BROWN
FILE: 09/03/2022
DWG: 23 OF 23
TWN: SHP

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 8/23/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried or aerial water fiber optic cable
telephone electric gas line within the right-of-way and/or across a county road in Brown County,
Texas, as follows:

Precinct # _____ Location: Starting point: 6001 FM 3021 This will involve a bore or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 07 day of October, 20 22

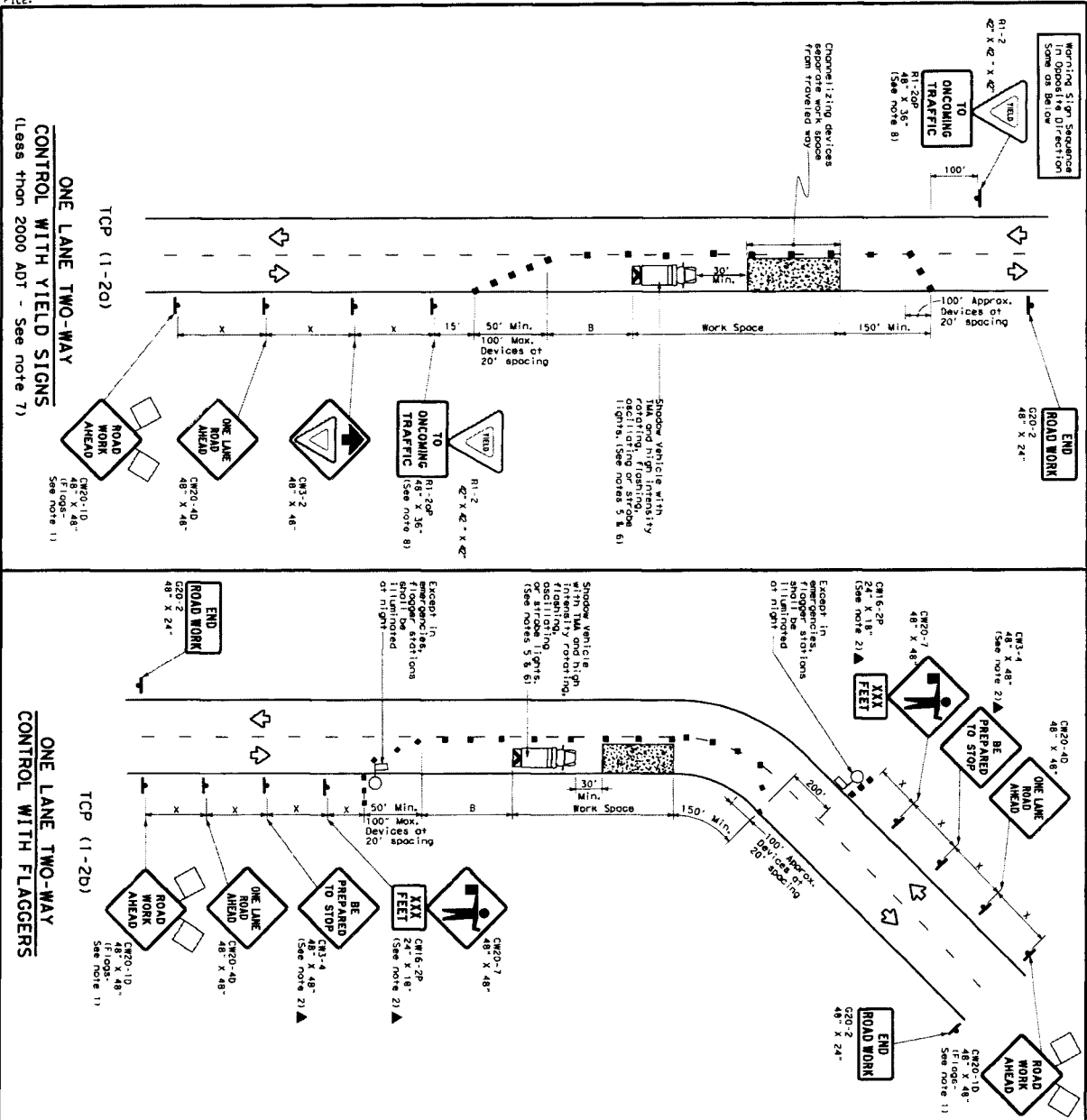
county roads/addresses:

8010 Meadow Ln-not in brown county - Put
county road 603-not in brown county }
county road 609-not in brown county } Pct 4
county road 604-not in brown county }
county road 606-not in brown county }
county road 3021-not in brown county - FM

By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS)
Address CHRISTIAN.REESE@CYIENT.COM
Phone 662.400.9330

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 use of this standard by others or for incorrect results or damages resulting from its use.

DATE:
FILE:



GENERAL NOTES

- Flagger attached to signs where shown or REQUIRED, except those devoted with the maintenance work, when approved by the Engineer.
- The CR-3-4 BE PREPARED TO STOP sign may be installed over the CR-40 ONE LANE ROAD AHEAD sign, but proper sign spacing shall be maintained.
- A Snowplow sign with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the work area without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the use of a Snowplow sign, it may be substituted for the Snowplow sign and TMA.
- Additional Snowplow signs with TMA may be positioned off the paved surfaces, next to those shown in order to protect wider work spaces.

TCP (1-20)

7. R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. For projects on roadways with less than 2000 ADT, work spaces should be no longer than 100 feet.

TCP (1-2b)

8. R1-2 "YIELD" sign with R1-20P "TO ONCOMING TRAFFIC" plaque shall be placed on a support of a 7 foot minimum mounting height.

TCP (1-21-18)

9. Flagger should use temporary routes or other methods of communication to control traffic.

10. Length of work spaces should be based on the ability of flaggers to communicate.

11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger.

12. Channelizing devices on the centerline may be omitted when a plow car is leading traffic and approved by the Engineer.

13. Flagger should use 24" SIGN/STOP paddles to control traffic. Flags should be limited to emergency situations.

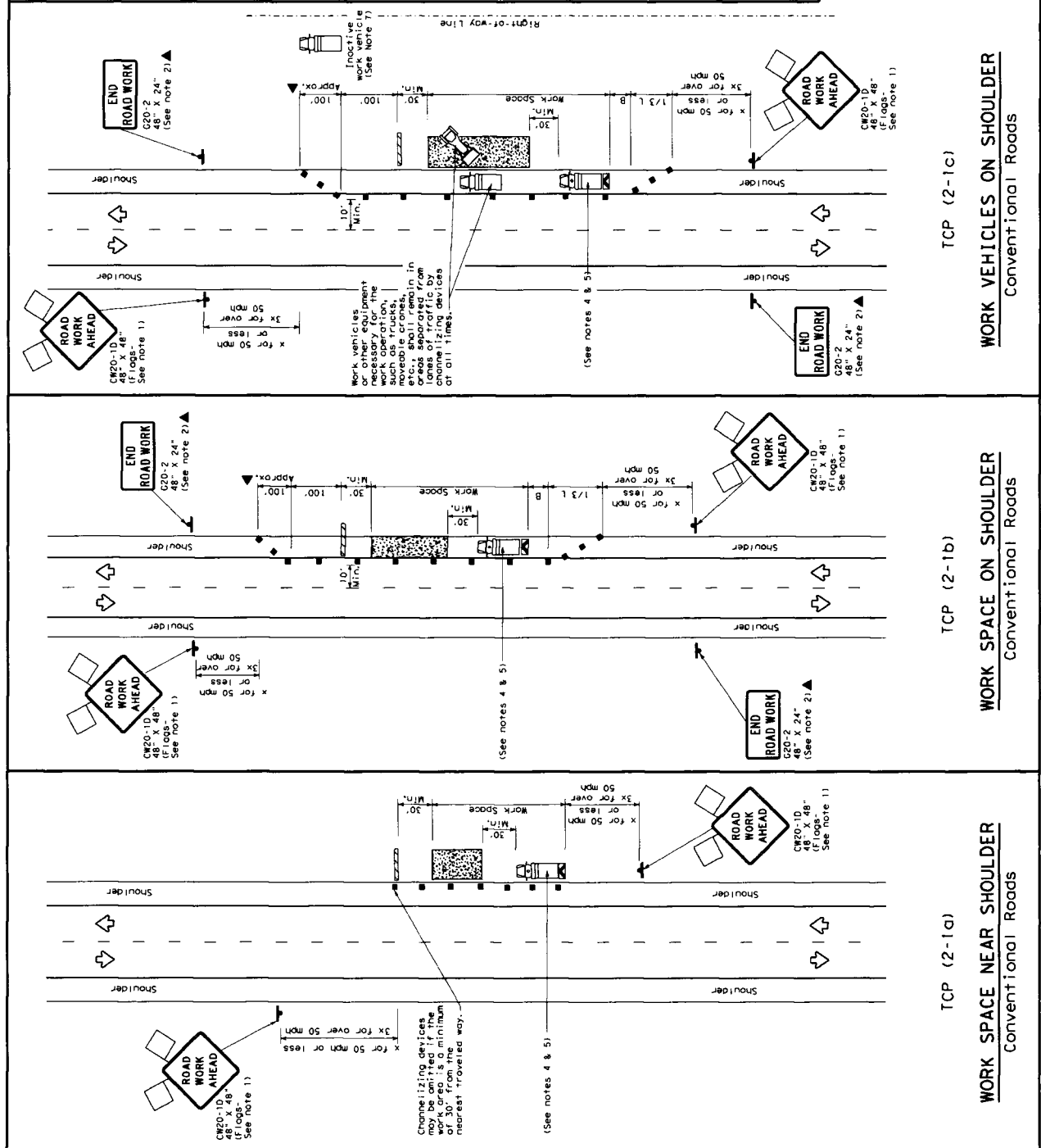
LEGEND

	Type 3 Barrier Course		Channelizing Device
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Flagger Mounted Sign		Portable Congestion Management Sign (PCMS)
	Sign		Flagger

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
30	45	60	120	240
45	60	90	180	360
60	90	135	270	540
90	135	202.5	405	810
135	202.5	303.75	607.5	1215
180	270	405	810	1620
270	405	540	1080	2160
360	540	720	1440	2880
540	810	1080	2160	4320
720	1080	1440	2880	5760
900	1350	1800	3600	7200
1080	1620	2160	4320	8640
1260	1890	2520	5040	10080
1440	2160	2880	5760	11520
1620	2430	3240	6480	12960
1800	2700	3600	7200	14400
2070	3060	4050	8100	16200
2340	3420	4500	9000	18000
2700	4050	5400	10800	21600
3060	4500	6300	12600	25200
3420	5040	7200	14400	28800
3780	5580	8100	16200	32400
4140	6120	9000	18000	36000
4500	6750	10000	20000	40000
4860	7380	11000	22000	44000
5220	8010	12000	24000	48000
5580	8640	13000	26000	52000
5940	9270	14000	28000	56000
6300	9900	15000	30000	60000
6660	10530	16000	32000	64000
7020	11160	17000	34000	68000
7380	11790	18000	36000	72000
7740	12420	19000	38000	76000
8100	13050	20000	40000	80000
8460	13680	21000	42000	84000
8820	14310	22000	44000	88000
9180	14940	23000	46000	92000
9540	15570	24000	48000	96000
9900	16200	25000	50000	100000

* Conventional Road only
** Tower lengths have been rounded off.
† Length of Tower (FT) within 0.5' of Offset (FT) Spaced (Spacings)



TCP (2-1a)

TCP (2-1b)

TCP (2-1c)

WORK SPACE NEAR SHOULDER
 Conventional Roads

WORK SPACE ON SHOULDER
 Conventional Roads

WORK VEHICLES ON SHOULDER
 Conventional Roads

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

Posted Speed * mph	Minimum Spacing of Traffic Signals #	Minimum Spacing of Channelizing Devices #	Minimum Spacing of Signs #	Minimum Spacing of Barricades #	Minimum Spacing of Flags #	Suggested Spacing of Barricades #
30	10'	11'	12'	10'	10'	10'
35	15'	16.5'	18'	15'	15'	15'
40	20'	22.5'	24.5'	20'	20'	20'
45	25'	29.5'	32'	25'	25'	25'
50	30'	37'	40.5'	30'	30'	30'
55	35'	45.5'	49.5'	35'	35'	35'
60	40'	54.5'	59.5'	40'	40'	40'
65	45'	64.5'	70.5'	45'	45'	45'
70	50'	75.5'	82.5'	50'	50'	50'
75	55'	87.5'	95.5'	55'	55'	55'

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

TYPICAL USAGE	
MOBILE	SHORT TERM STATIONARY
MOBILE	INTERMITTENT LONG TERM STATIONARY
MOBILE	LONG TERM STATIONARY

GENERAL NOTES

- Flags attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored in the work area.
- Strapped material should be placed a minimum of 30 feet from nearest traveled way.
- Shoove vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. A Shoove vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the work area.
- 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 2 Barricades or other channelizing devices may be substituted for the Shoove vehicle and TMA.
- Additional Shoove vehicles with TMA may be positioned off the paved shoulder to assist in traffic control on divided highways, expressways and freeways.
- See TCP (5-11) for shoulder work on divided highways, expressways and freeways.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- CW20-10 "SHOULDER WORK" signs may be used in place of CW21-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

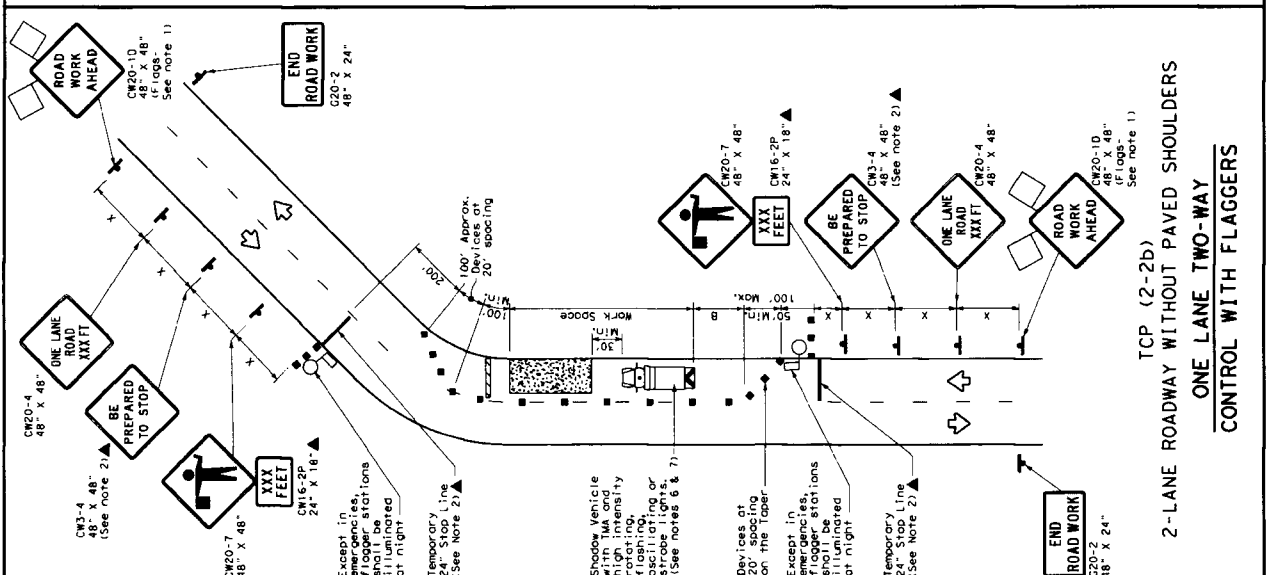
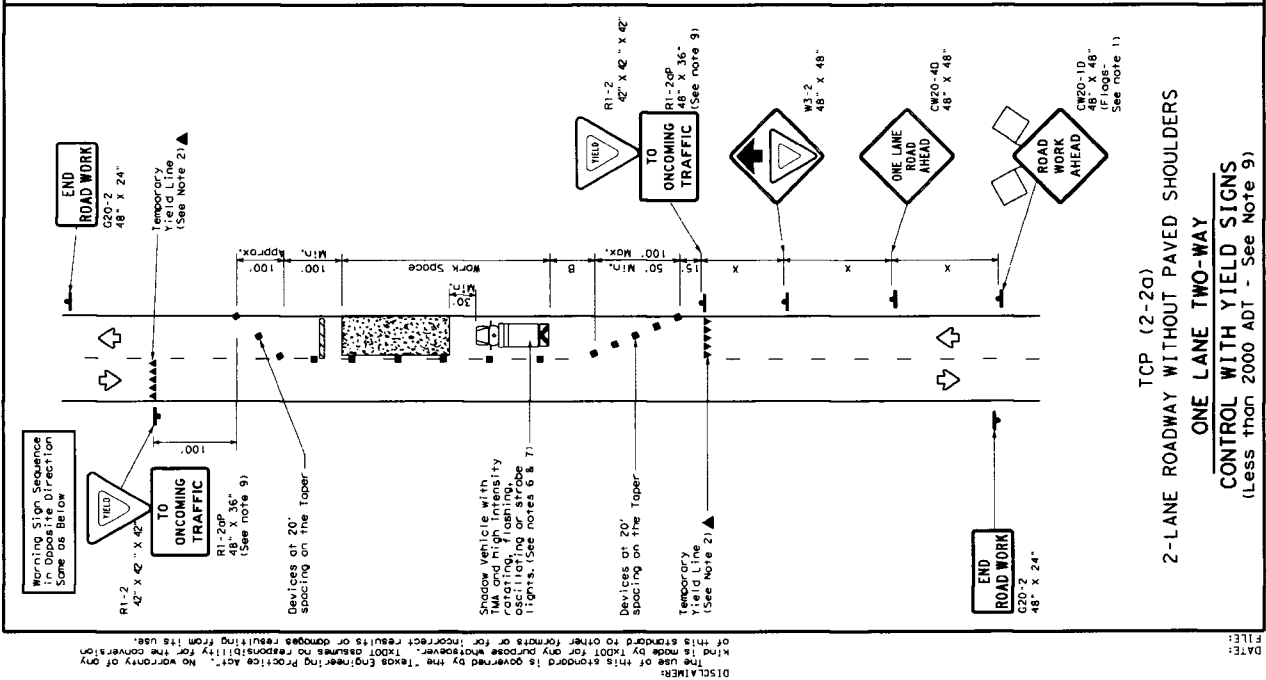
Texas Department of Transportation

TRAFFIC CONTROL PLAN
CONVENTIONAL ROAD
SHOULDER WORK

TCP (2-1)-18

FILES: 11-18-09	DATE: 11/18/09	BY: JAK	CHECKED: JAK
2-94	4-98	8-05	2-12
8-95	2-12	1-01	1-13

Traffic Operations Division Specialist



LEGEND

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

Posted Sign	Formula	Minimum Taper Lengths (ft)	Suggested Minimum Channelizing Device Spacing (ft)	Minimum Channelizing Device Spacing (ft)	Minimum Stopping Sight Distance (ft)	Recommended Stopping Sight Buffer Distance (ft)		
W3-2	WS	150	165	180	30	60	90	200
L-60	L	205	225	245	35	70	160	250
45	WS	765	785	805	40	80	240	305
45	WS	450	470	490	45	90	270	360
50	WS	500	520	540	50	100	300	425
55	L-WS	600	620	640	55	110	330	495
60	WS	650	670	690	60	120	360	570
65	WS	700	720	740	65	130	390	645
70	WS	750	770	790	70	140	420	730
75	WS	800	820	840	75	150	450	820

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

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓	✓

GENERAL NOTES

- Flags attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol which may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
- The CW3-4 BE PREPARED TO STOP sign may be installed after the G20-2 ONE LANE ROAD WORK sign.
- Flagger should use two-way radios or other methods of communication to control traffic.
- Length of work space should be based on the ability of flaggers to communicate.
- Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet from the work area. 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 a wider work space.

TCP (2-20)

- The R1-2 YIELD sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, the approaches should be longer than the critical road length.
- The R1-2b YIELD TO ONCOMING TRAFFIC sign shall be placed on a support of 0.7 foot minimum mounting height.

TCP (2-2b)

- Channelizing devices on the center line may be omitted when a pilot car is leading traffic and approved by the Engineer.
- If the work space is located near a horizontal or vertical curve, the buffer distance should be increased to maintain stopping sight distance to the flagger and a queue of stopped vehicles. (See table on page 185)
- Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

Texas Department of Transportation

TRAFFIC CONTROL PLAN

ONE-LANE TWO-WAY TRAFFIC CONTROL

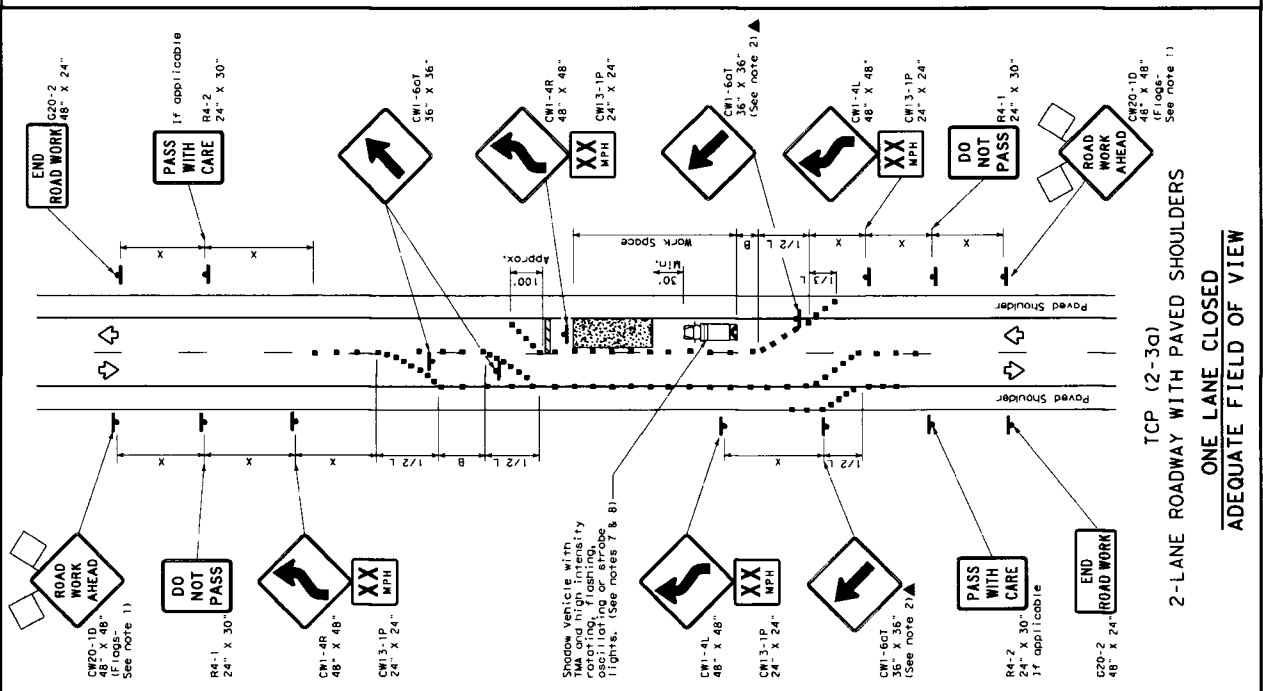
TCP (2-2) - 18

DATE: 8-98	PROJECT: 3-03	SECTION: 4-18	SCALE: 1/4" = 1'-0"
FILE: 182	PROJECT: 182	SECTION: 182	SCALE: 1/4" = 1'-0"

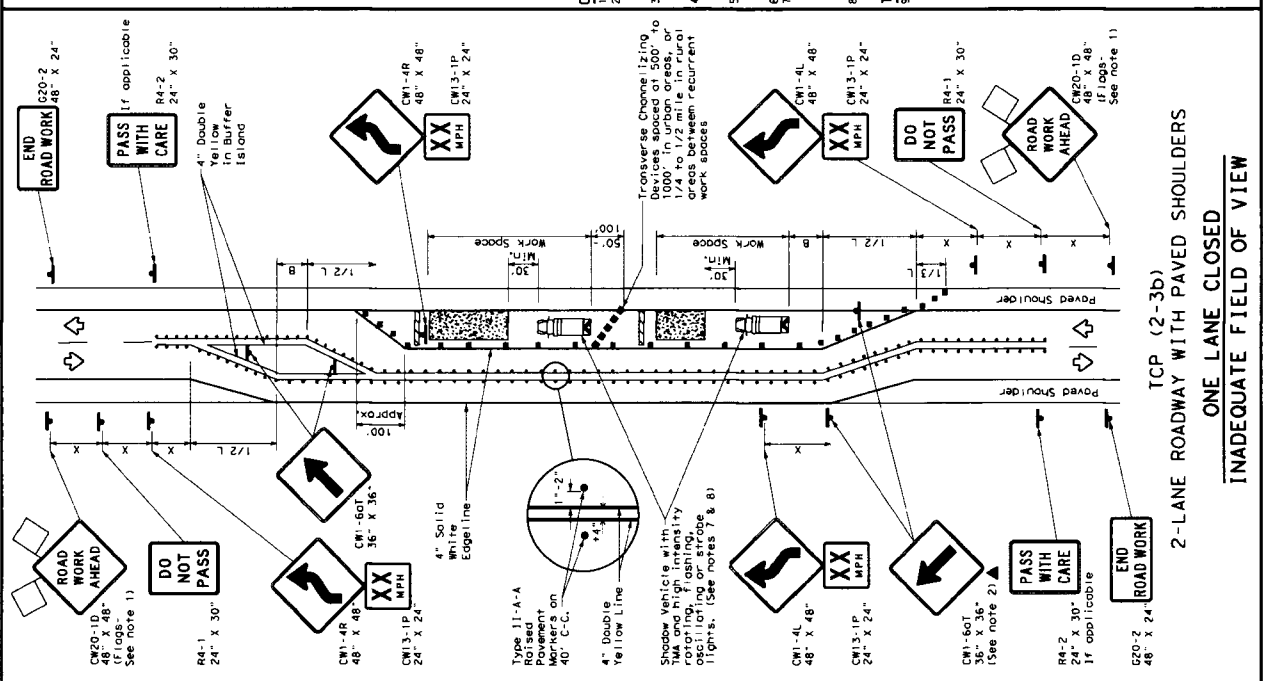
DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. No liability of any kind is assumed by TxDOT for any damages or consequences resulting from its use. This standard is intended for use only for the purposes and conditions stated herein. It is not intended to be used for any other purpose or for incorrect results or damages resulting from its use.

DATE: _____ FILE: _____

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 or for incorrect results or damages resulting from its use. If this standard is used on other forms or for incorrect results or damages resulting from its use, the user assumes no responsibility for the conversion.



TCP (2-3a)
2-LANE ROADWAY WITH PAVED SHOULDERS
ADEQUATE FIELD OF VIEW



TCP (2-3b)
2-LANE ROADWAY WITH PAVED SHOULDERS
INADEQUATE FIELD OF VIEW

LEGEND

Channelizing Devices	Truck Mounted Attenuator (TMA)
Heavy Work Vehicle	Raised Pavement Markers Ty II-AA
Trailer Mounted Flashing Arrow Board	Traffic Flow
Sign	Flagger
Flag	

Posted Speed	Formula	Minimum Taper Length	Suggested Maximum Channelizing Devices	Minimum Sign Spacing	Maximum Buffer Distance	Suggested Length of Buffer
30	NS ²	150'	150'	100'	30'	90'
35	L + 60	150'	165'	100'	30'	120'
40	L + 60	205'	225'	100'	35'	120'
45	L + 60	265'	295'	100'	40'	155'
50	L + 60	330'	370'	100'	45'	195'
55	L + 60	400'	450'	100'	50'	240'
60	L + 60	480'	540'	100'	55'	295'
65	L + 60	570'	630'	100'	60'	350'
70	L + 60	670'	720'	100'	65'	410'
75	L + 60	780'	810'	100'	70'	475'
80	L + 60	900'	900'	100'	75'	540'

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper (FT) 1/2 Width of Offset (FT) S=Posted Speed (MPH)

TYPICAL USAGE

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓

GENERAL NOTES

- Flaps attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
- Markings may remain in place. Channelizing devices shall be used to separate traffic.
- Flagger control should NOT be used unless roadway conditions or heavy traffic volume require additional emphasis to safely control traffic. Flagger should be positioned at end of work area.
- Regulatory speed signs may be installed within CW20-10 "ROAD WORK AHEAD" signs. Proper spacing of signs shall be maintained.
- Conflicting pavement marking shall be removed for long term projects.
- A Shadow Vehicle with a TMA should be used anytime it can be positioned present but road or work conditions require the traffic control to remain in place. Type 3 Barricades or other channelizing devices may be substituted.
- Additional Shadow Vehicles with TMA may be positioned off the paved surface, next to those shown in order to protect a wider work space.

TCP (2-3c)

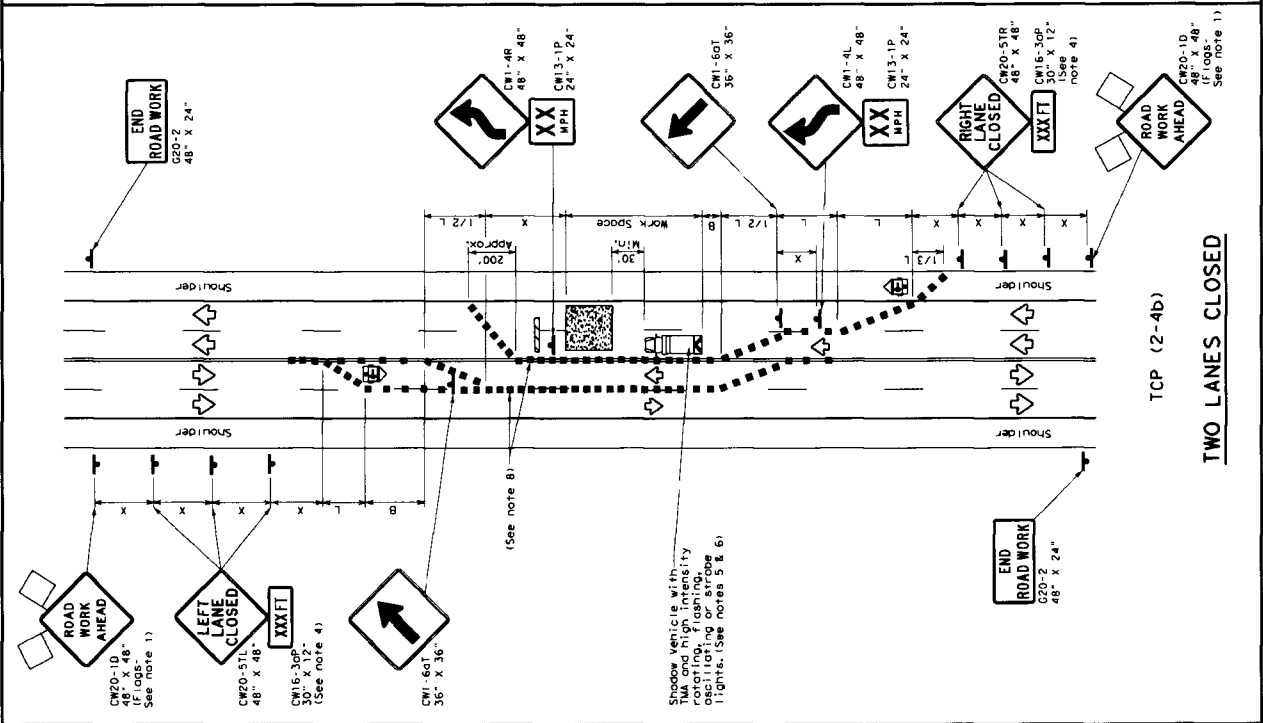
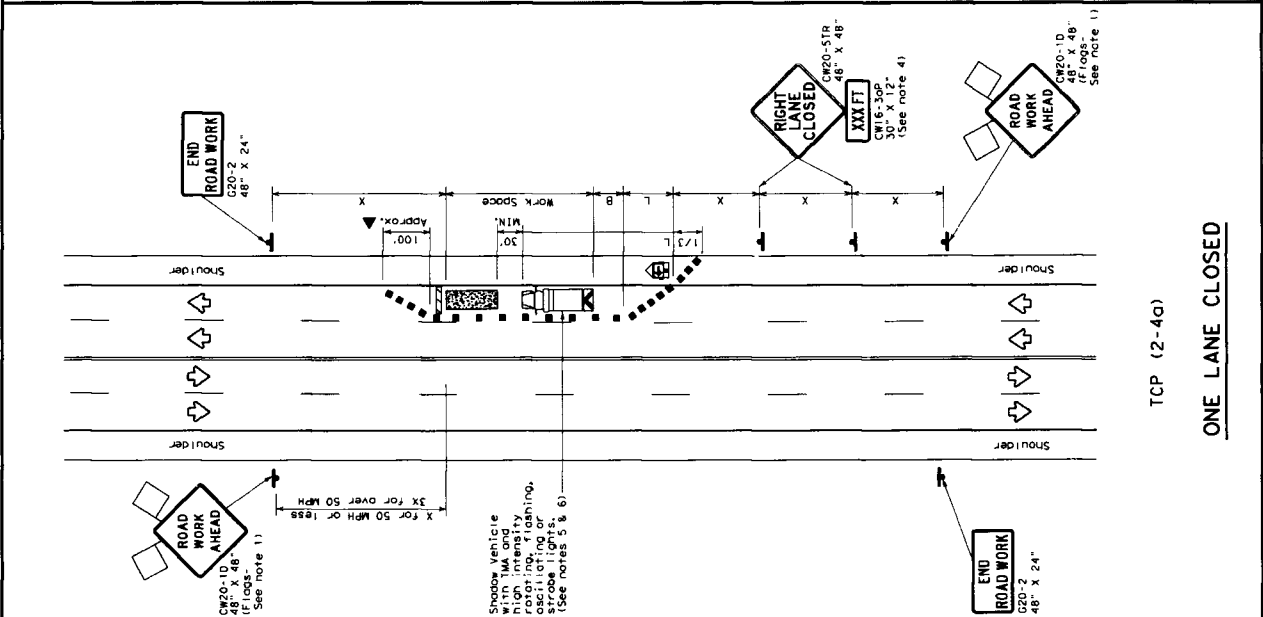
Conflicting pavement markings shall be removed for long term projects. For shorter durations where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2(S) where S is the speed in mph. This tighter device spacing is intended for the area of the conflicting markings, not the entire work zone.

Texas Department of Transportation
Operations Division
Standard

TRAFFIC CONTROL PLAN
TRAFFIC SHIFTS ON
TWO-LANE ROADS

TCP (2-3) - 18

DATE:	TCP (2-3) 18-09	BY:	DA
DESIGNED BY:	8-95 J-03	CHECKED BY:	DA
DRAWN BY:	1-97 P-12	DATE:	1-97
SCALE:	AS SHOWN	PROJECT NO.:	
DATE:	1-97	PROJECT NO.:	



LEGEND

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

Posted Speed	Formula	Minimum Taper Lengths (ft)	Suggested Maximum Spacing (ft) to Devices	Minimum Sign Spacing (ft) On a Taper	Suggested Maximum Spacing (ft) Buffer, Space "g"
30	$10' + 11' \cdot \frac{L}{60}$	150	30'	60'	90'
35	$15' + 15' \cdot \frac{L}{60}$	205	35'	70'	120'
40	$20' + 20' \cdot \frac{L}{60}$	265	40'	80'	150'
45	$25' + 25' \cdot \frac{L}{60}$	325	45'	90'	195'
50	$30' + 30' \cdot \frac{L}{60}$	385	50'	100'	240'
55	$35' + 35' \cdot \frac{L}{60}$	445	55'	110'	295'
60	$40' + 40' \cdot \frac{L}{60}$	505	60'	120'	350'
65	$45' + 45' \cdot \frac{L}{60}$	565	65'	130'	410'
70	$50' + 50' \cdot \frac{L}{60}$	625	70'	140'	475'
75	$55' + 55' \cdot \frac{L}{60}$	685	75'	150'	540'

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

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓			✓

GENERAL NOTES

- Flgs attached to signs were shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
- The downstream taper is optional. When used, it should be 100 feet minimum length for each application, when post mounted signs are not used, the distance legend may be shown on the sign face rather than on a CM16-30P supplemental plaque.
- 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 safety of the work zone. The TMA should be illuminated with flashing lights for applications requiring 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 in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.

TCP (2-4a)

- If this TCP is used for a left lane closure, CW20-51L "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline to protect the work space from opposing traffic with the arrow board placed in the closed lane near the end of the taper.

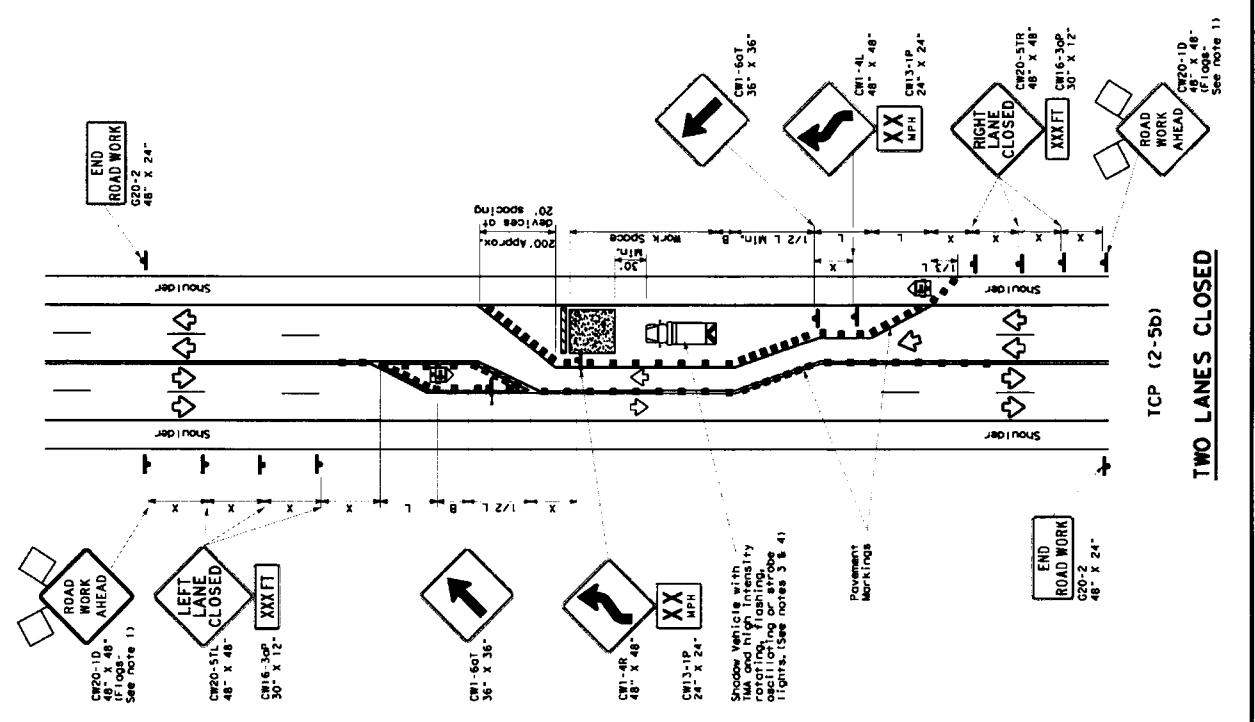
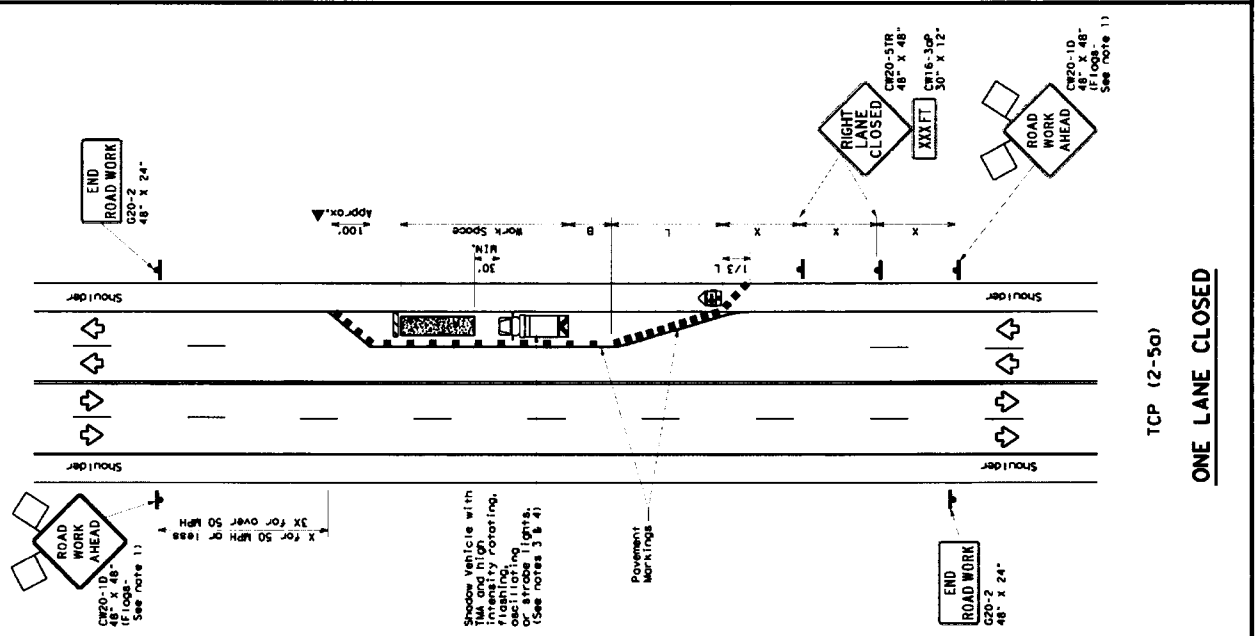
TCP (2-4b)

- For shorter durations where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 120' where S is the speed in mph. This tighter device spacing is intended for the area of conflicting markings, not the entire work zone.

Texas Department of Transportation
 Operations Standard
TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE CONVENTIONAL ROADS
TCP (2-4) - 18

DATE	12/11/13	BY	18
REVISED	08/01/13	BY	18
APPROVED	08/01/13	BY	18
DESIGNED	08/01/13	BY	18
CHECKED	08/01/13	BY	18
PROJECT NO.			

DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. No warranty of kind is made by TxDOT for any damage or responsibility for the contractor or the contractor's employees or for incorrect results or damages resulting from its use.



LEGEND

Type 3 Barricade	Channeled Devices
Truck Mounted Attenuator (TMA)	Truck Mounted Attenuator (TMA)
Portable Changeable Message Sign (PCMS)	Portable Changeable Message Sign (PCMS)
Sign	Traffic Flow
Flag	Flagger

Posted Speed	Minimum Spacing of Channeled Devices	Minimum Spacing of Taper	Suggested Maximum Spacing of Sign	Minimum Spacing of Sign	Suggested Longitudinal Spacing of Barricade
30	10'	11'	13'	On a Taper	90'
35	150'	185'	180'	30'	120'
40	205'	225'	245'	35'	160'
45	265'	295'	320'	40'	240'
50	320'	370'	400'	45'	320'
55	380'	450'	500'	50'	400'
60	440'	530'	600'	55'	500'
65	500'	610'	700'	60'	600'
70	560'	690'	800'	65'	700'
75	620'	770'	900'	70'	800'
80	680'	850'	1000'	75'	900'
85	740'	930'	1100'	80'	1000'
90	800'	1010'	1200'	85'	1100'
95	860'	1090'	1300'	90'	1200'
100	920'	1170'	1400'	95'	1300'
105	980'	1250'	1500'	100'	1400'
110	1040'	1330'	1600'	105'	1500'
115	1100'	1410'	1700'	110'	1600'
120	1160'	1490'	1800'	115'	1700'
125	1220'	1570'	1900'	120'	1800'
130	1280'	1650'	2000'	125'	1900'
135	1340'	1730'	2100'	130'	2000'
140	1400'	1810'	2200'	135'	2100'
145	1460'	1890'	2300'	140'	2200'
150	1520'	1970'	2400'	145'	2300'
155	1580'	2050'	2500'	150'	2400'
160	1640'	2130'	2600'	155'	2500'
165	1700'	2210'	2700'	160'	2600'
170	1760'	2290'	2800'	165'	2700'
175	1820'	2370'	2900'	170'	2800'
180	1880'	2450'	3000'	175'	2900'
185	1940'	2530'	3100'	180'	3000'
190	2000'	2610'	3200'	185'	3100'
195	2060'	2690'	3300'	190'	3200'
200	2120'	2770'	3400'	195'	3300'
205	2180'	2850'	3500'	200'	3400'
210	2240'	2930'	3600'	205'	3500'
215	2300'	3010'	3700'	210'	3600'
220	2360'	3090'	3800'	215'	3700'
225	2420'	3170'	3900'	220'	3800'
230	2480'	3250'	4000'	225'	3900'
235	2540'	3330'	4100'	230'	4000'
240	2600'	3410'	4200'	235'	4100'
245	2660'	3490'	4300'	240'	4200'
250	2720'	3570'	4400'	245'	4300'
255	2780'	3650'	4500'	250'	4400'
260	2840'	3730'	4600'	255'	4500'
265	2900'	3810'	4700'	260'	4600'
270	2960'	3890'	4800'	265'	4700'
275	3020'	3970'	4900'	270'	4800'
280	3080'	4050'	5000'	275'	4900'
285	3140'	4130'	5100'	280'	5000'
290	3200'	4210'	5200'	285'	5100'
295	3260'	4290'	5300'	290'	5200'
300	3320'	4370'	5400'	295'	5300'

* Conventional Roads Only
** Taper lengths have been rounded off.
*** Length of Taper (FT) = width of Offset (FT) x Posted Speed (MPH)

TYPICAL USAGE

MOBILE	STATIONARY	TEMPORARY	PERMANENT	LONG TERM
✓	✓	✓	✓	✓

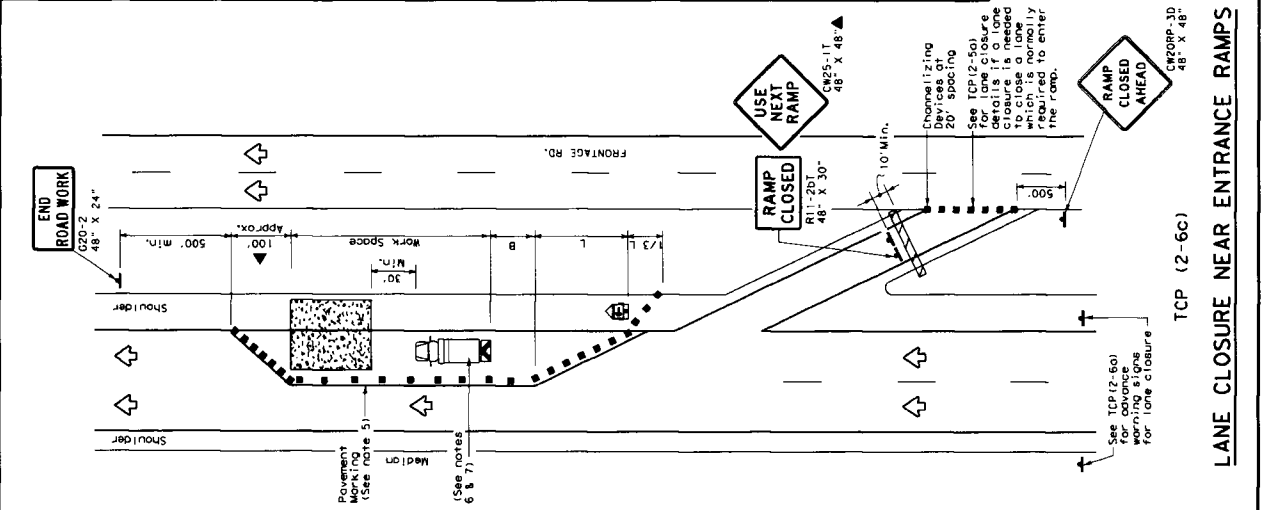
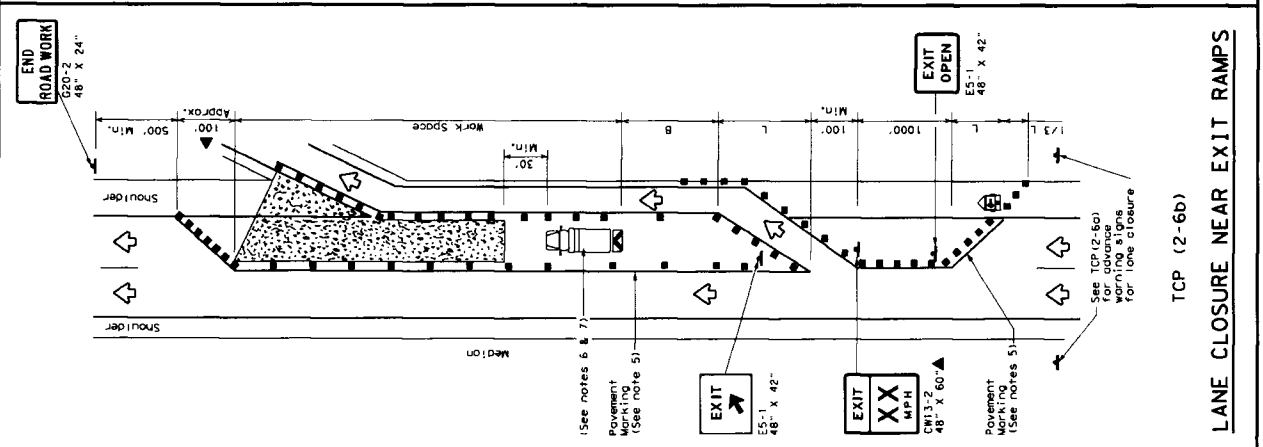
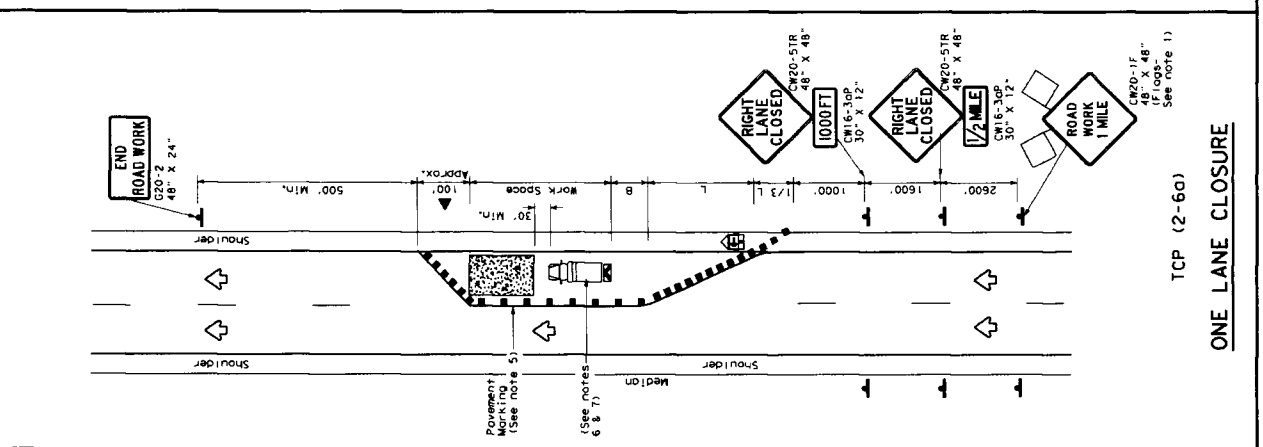
GENERAL NOTES

- Flags attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
- A Shadow Vehicle with a TM should be used anytime it can be positioned 30 to 100 feet in advance of the area of the work. If workers are no longer present but road 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 TM.
- Additional Shadow Vehicles with TMs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown. The downstream taper is optional. When used, it should be 100 feet approximately per lane, with channelizing devices spaced at 20 feet.
- CP (2-5a)
- If this TCP is used for a left lane closure, CP20-51L "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline to protect the work space from opposing traffic, with the arrow board placed in the closed lane near the end of the merging taper.
- CP (2-5b)
- Conflicting pavement markings shall be removed for long-term projects.

Texas Department of Transportation
TRAFFIC CONTROL PLAN
LONG TERM LANE CLOSURES
MULTILANE CONVENTIONAL RDS.

TCP (2-5) - 18

Project No. _____
Contract No. _____
Sheet No. _____



LEGEND

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

Traffic Operation Division Standard

TRAFFIC CONTROL PLAN
LANE CLOSURES ON DIVIDED HIGHWAYS

TCP (2-6) - 18

FILE: TCD-2-18-00P
DATE: December 1985
BY: JAC
REVISED: 8-95 2-12
1-97 2-18

GENERAL NOTES

- Flots attached to signs where shown, are REQUIRED.
- All of the control devices illustrated are REQUIRED, except those devices which are shown as optional. The placement of signs in the plans, or for routine maintenance work, when approved by the Engineer.
- Channelizing devices used to close lanes may be supplemented with the Chevron Alignment Sign placed on every other channelizing device. Chevrons may be attached to plastic drums as per BC Standards.
- Flashing arrow boards and trailer mounted flashing arrow boards may be supplemented with portable changeable message signs. If night time conditions make it difficult to see at least two VMS, the VMS may be placed on each channelizing device.
- The placement of pavement markings may be omitted on intermediate-term stationary work zones, with the approval of the Engineer. Flashing lights or strobe lights. Showdown Vehicle with TMA and high intensity rotating flashing, acclimating or strobe lights. A Showdown 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 of the work. If workers are no longer present but road or work conditions are hazardous, the Showdown Vehicle with TMA or work Barricades or other channelizing devices may be substituted for the Showdown Vehicle and TMA.
- Additional Showdown Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.

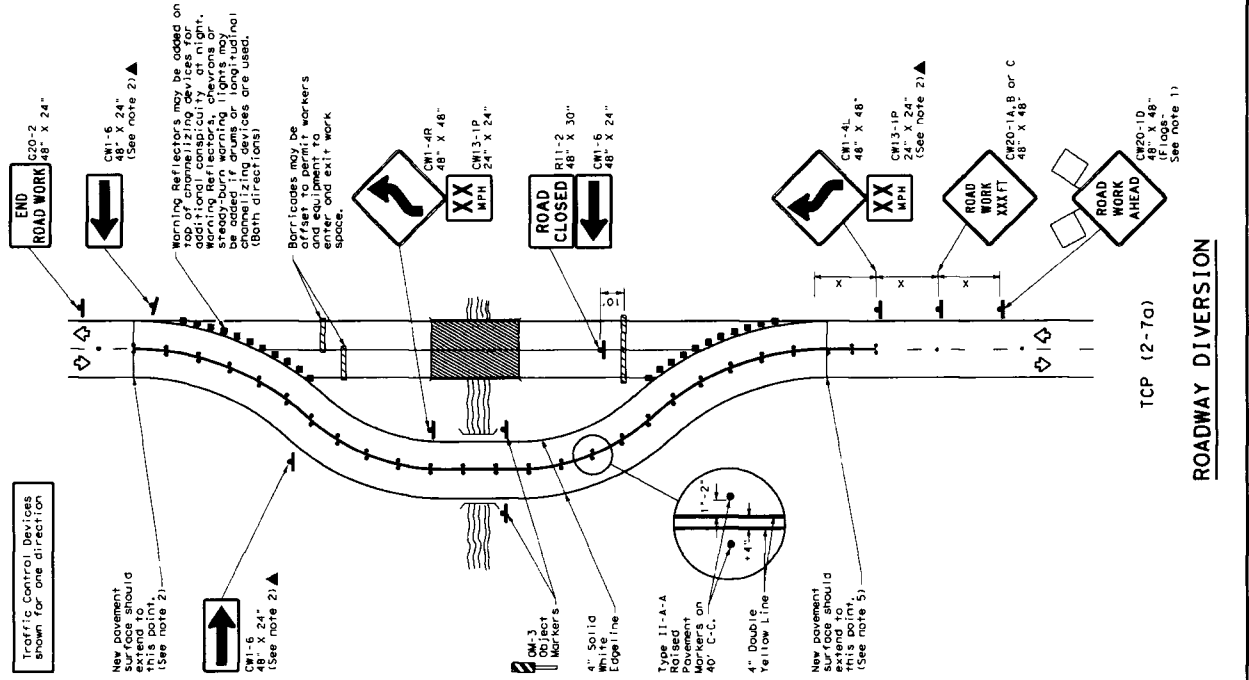
TYPICAL USAGE

MOBILE	SHORT DURATION	STATIONARY	INTERMEDIATE TERM	STATIONARY	LONG TERM
✓	✓	✓	✓	✓	✓

Table 1: Minimum and Suggested Maximum Spacing of Channelizing Devices

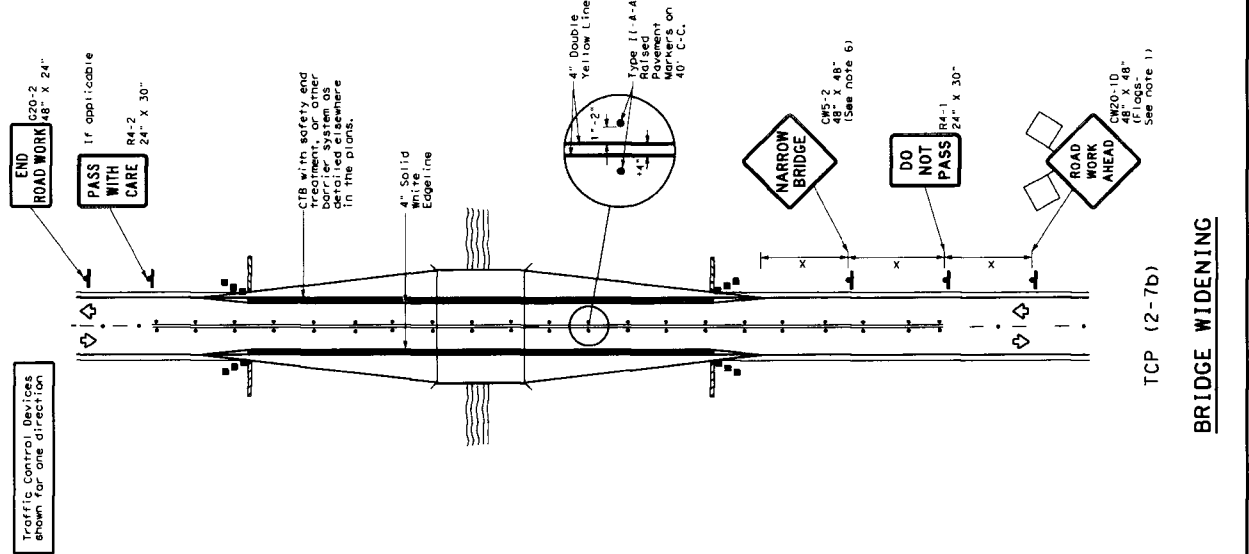
Posted Speed * (MPH)	Minimum Spacing of Channelizing Devices ** (ft)	Suggested Maximum Spacing of Channelizing Devices (ft)	Minimum Spacing Buffer Spacing (ft)
30	10	120	90
35	11	135	105
40	12	150	120
45	13	165	135
50	14	180	150
55	15	195	165
60	16	210	180
65	17	225	195
70	18	240	210
75	19	255	225

* Conventional Roads Only
** Lengths have been rounded off.
L = Length of taper (FT), Widths or Offset (FT), S = Posted Speed (MPH)



TCP (2-7a)

ROADWAY DIVERSION



TCP (2-7b)

BRIDGE WIDENING

Texas Department of Transportation

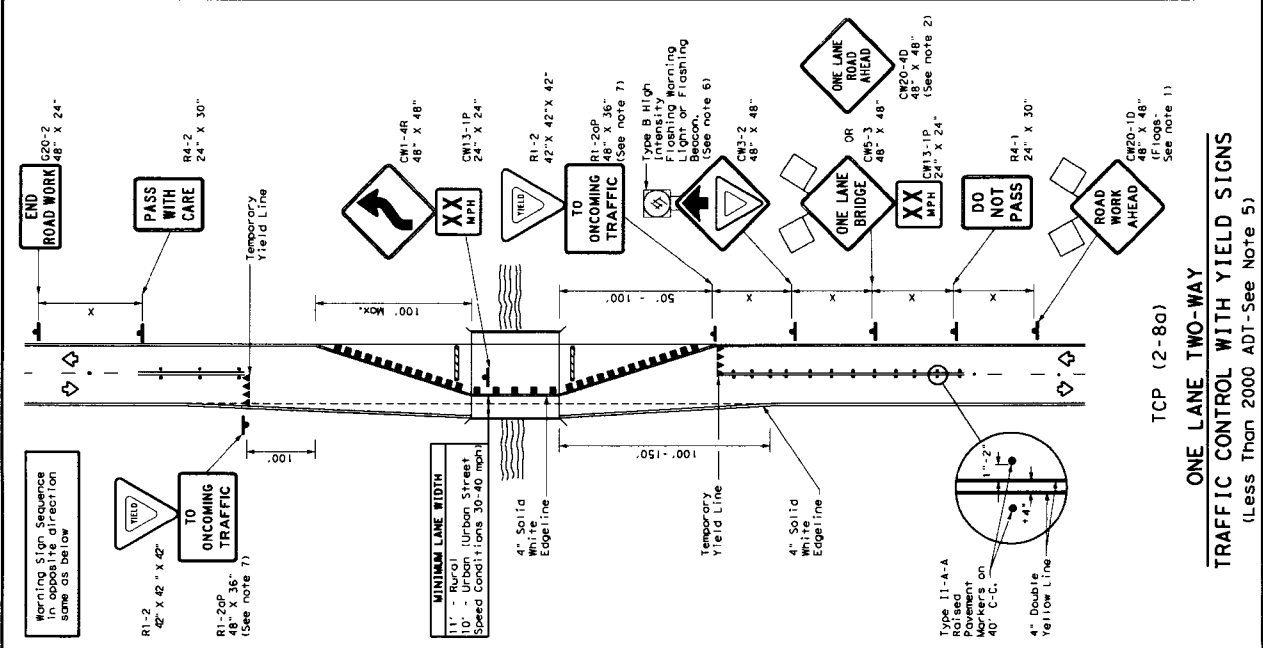
Traffic Operations Standard

TRAFFIC CONTROL PLAN
DIVERSIONS AND
NARROW BRIDGES

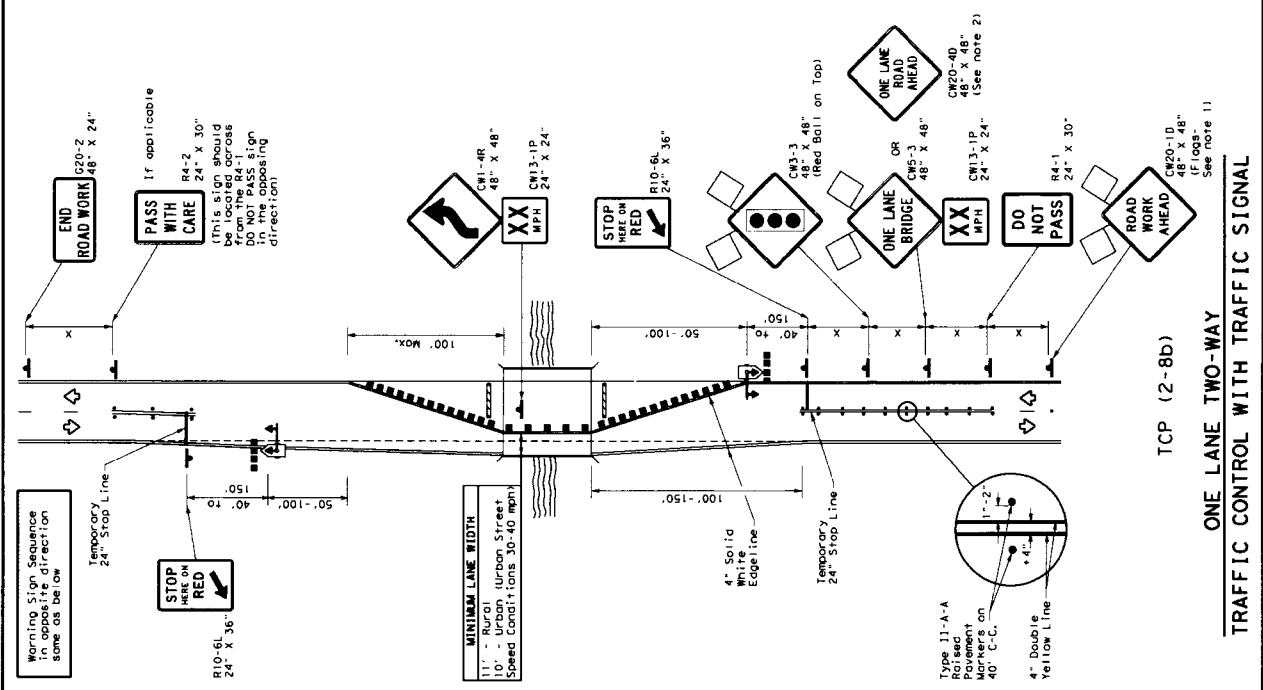
TCP (2-7) - 18

Project No. 14327-2, 14329
Contract No. 1365
Revision No. 10/10/04
Date: 8-96 3-03
Scale: 1" = 4'-0"

Sheet No. 0155 of 0155



ONE LANE TWO-WAY TRAFFIC CONTROL WITH YIELD SIGNS
(Less Than 2000 ADT-See Note 5)



ONE LANE TWO-WAY TRAFFIC CONTROL WITH TRAFFIC SIGNAL

LEGEND

Type 3 Barricade	Channelizing Devices
Sign	Traffic Flow
Flag	Flagger
Raised Pavement Markers by II-AA	Temporary or Portable Traffic Signal

Posted Speed *	Formula	Minimum Taper Lengths	Suggested Maximum Spacing of Channelizing Taper	Minimum Spacing of Channelizing Taper	Minimum Longitudinal Spacing of Barricade	Suggested Spacing of Barricade
30	L = WS	10', 11', 12'	On a Tangent	60'	120'	90'
35	L = WS	150', 165', 180'	On a Tangent	70'	120'	200'
40	L = WS	205', 225', 245', 35'	On a Tangent	80'	120'	250'
45	L = WS	265', 295', 320', 40'	On a Tangent	90'	120'	305'
50	L = WS	450', 495', 540', 45'	On a Tangent	100'	120'	360'
55	L = WS	550', 605', 660', 55'	On a Tangent	110'	120'	425'
60	L = WS	600', 660', 720', 60'	On a Tangent	120'	120'	495'
65	L = WS	650', 715', 780', 65'	On a Tangent	130'	120'	570'
70	L = WS	700', 770', 840', 70'	On a Tangent	140'	120'	645'
75	L = WS	750', 825', 900', 75'	On a Tangent	150'	120'	730'
80	L = WS	800', 880', 960', 80'	On a Tangent	160'	120'	820'

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

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY

GENERAL NOTES

- Flags attached to signs where shown are required.
- Use of the "YIELD" sign in advance of a bridge involves a bridge.
- 48" x 48" CW20-4D "ONE LANE ROAD AHEAD" signs should be used in lieu of the CW3-3 "ONE LANE BRIDGE" signs. The CW13-IP Advisory Speed Plate is required with either warning sign.
- DO NOT PASS signs and stop or yield lines. If it is not feasible to remove and restore pavement markings, the channelization must be made permanent by using a very close spacing. This is especially important in locations of conflicting information, such as where traffic is directed over a double yellow center line. In such locations a maximum channelizing device spacing of 20 feet is recommended. The 20 foot channelizing device spacing recommendation is intended for the area of conflicting information and not the entire work zone.
- TCP (2-80)**
Traffic control by CW3-2 "YIELD AHEAD" symbol signs for one lane two-way traffic control operations should be limited to work spaces less than 400 feet long and roadways with less than 2000 ADT. Otherwise, portable traffic control should be used.
- If power is available, a flashing beacon should be attached to the CW3-2 "YIELD AHEAD" symbol sign for emphasis.
- The R1-2 "YIELD" and R1-2P "TO ONCOMING TRAFFIC" signs and other regulatory signs shall be installed at 7 foot minimum mounting height.

TCP (2-8B)

- A list of approved portable traffic signals can be found in the "Compliant Work Zone Traffic Control Devices" list.
- Portable traffic signals should be located to provide adequate stopping sight distance for approaching motorists (See table above).

Texas Department of Transportation

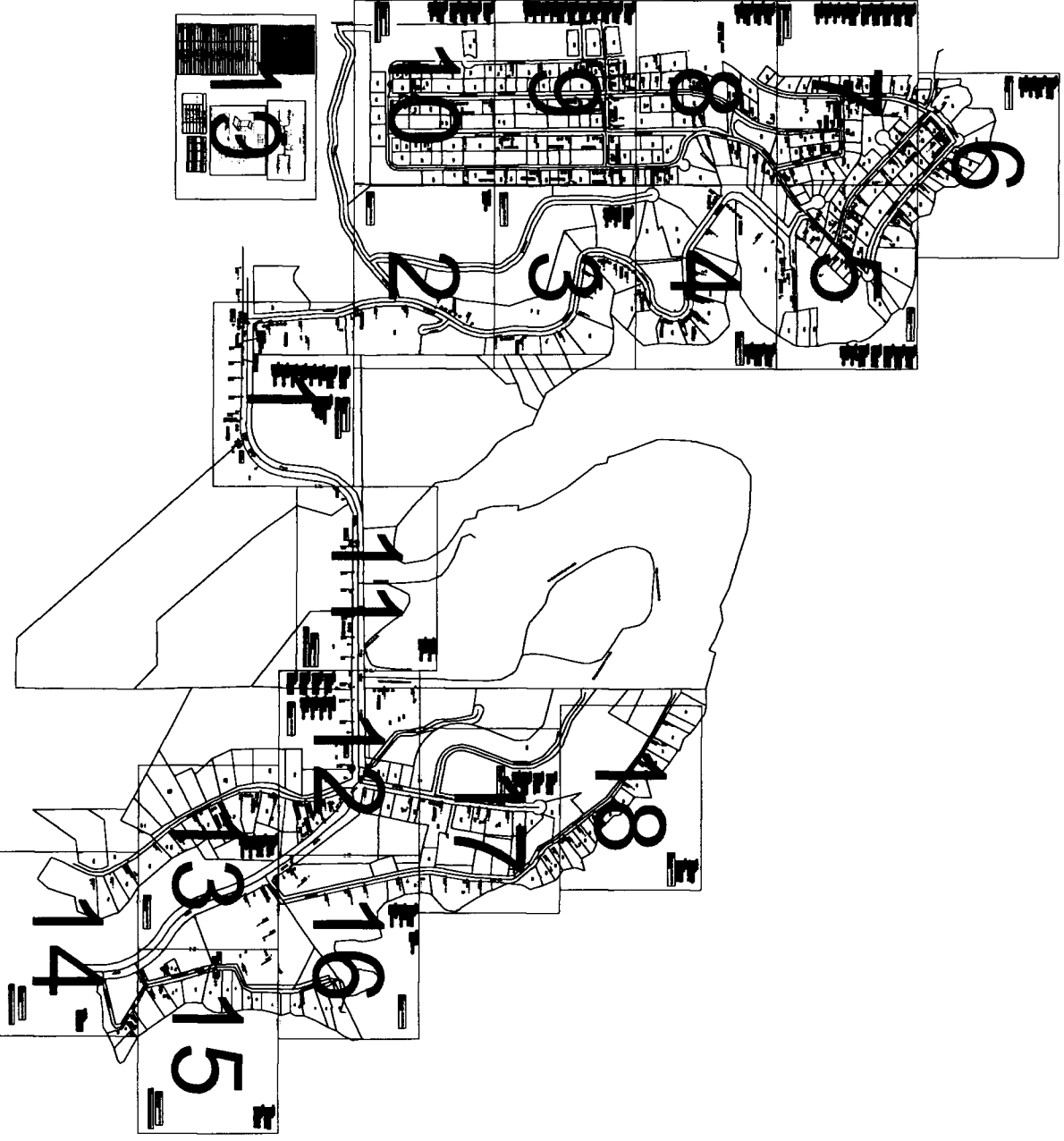
TRAFFIC CONTROL PLAN
LONG TERM ONE-LANE TWO-WAY CONTROL
TCP (2-8) - 18

Project: T02B 8.18.09P
Contract: 1-97 2-12
Revision: 8-95 3-03
Date: December 1995

Scale: 1" = 40' (Plan)
1" = 10' (Profile)

Sheet No. 188

H4008



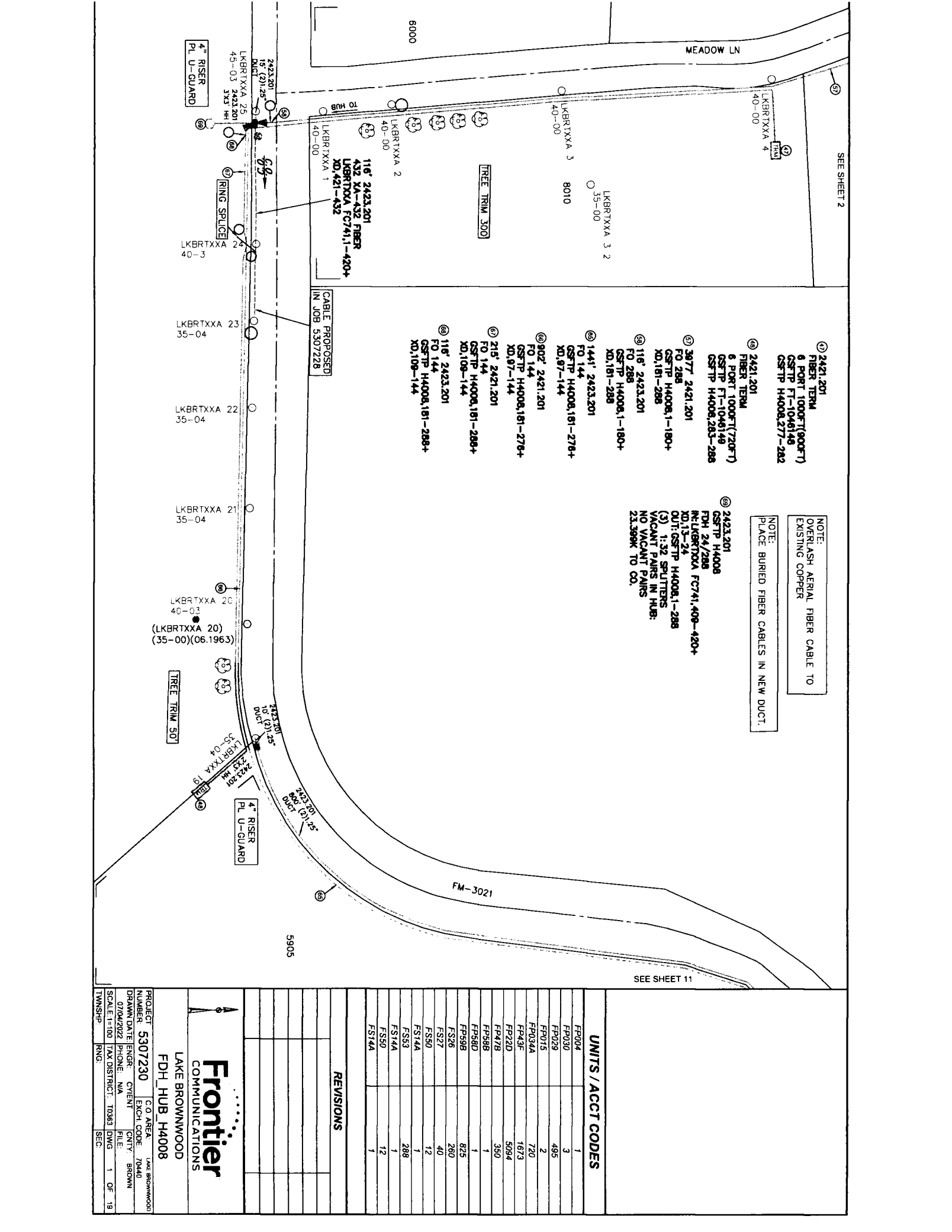
REVISIONS

NO.	DATE	DESCRIPTION



LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT NUMBER	5307230	C.O. AREA	LAKE BROWNWOOD
DRAWN DATE	07/04/2022	EXCH CODE	70440
ENGINEER	CYIENT	CNTY	BROWN
PHONE	N/A	FILE	
TAX DISTRICT	10383	DWG	
TOWNSHIP		SEC.	
SCALE	1"=100'	NO.	OF 18



SEE SHEET 2

SEE SHEET 11

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.

- ① 2421.201
FIBER TERM
6 PORT 1000FT(720FT)
GSFTP FT-1046148
GSFTP H4008,283-288
- ② 2421.201
FIBER TERM
6 PORT 1000FT(720FT)
GSFTP FT-1046148
GSFTP H4008,283-288
- ③ 3877 2421.201
FO 288
GSFTP H4008,1-180+
XD,181-288
- ④ 116' 2423.201
FO 288
GSFTP H4008,1-180+
XD,181-288
- ⑤ 1441' 2423.201
FO 144
GSFTP H4008,181-278+
XD,87-144
- ⑥ 902' 2421.201
FO 144
GSFTP H4008,181-278+
XD,87-144
- ⑦ 215' 2421.201
FO 144
GSFTP H4008,181-288+
XD,109-144
- ⑧ 116' 2423.201
FO 144
GSFTP H4008,181-288+
XD,109-144

⑨ 2423.201
GSFTP H4008
FDH 24/288
N:LKBRTXXA FC741,408-420+
XD,13-24
OUT: GSFTP H4008,1-288
(3) 1:32 SPLITTERS
VACANT PAIRS IN HUB:
NO VACANT PAIRS
23,396K TO CO.

CABLE PROPOSED
IN JOB 5307228

FREE TRIM 300

FREE TRIM 50

UNITS / ACCT CODES

FP004	1
FP030	3
FP029	495
FP015	2
FP034	720
FP43F	1673
FP22D	5094
FP47B	350
FP58B	1
FP58D	1
FP59B	825
FS26	260
FS27	40
FS30	12
FS14A	1
FS53	288
FS14A	1
FS50	12
FS14A	1

REVISIONS

Frontier
COMMUNICATIONS

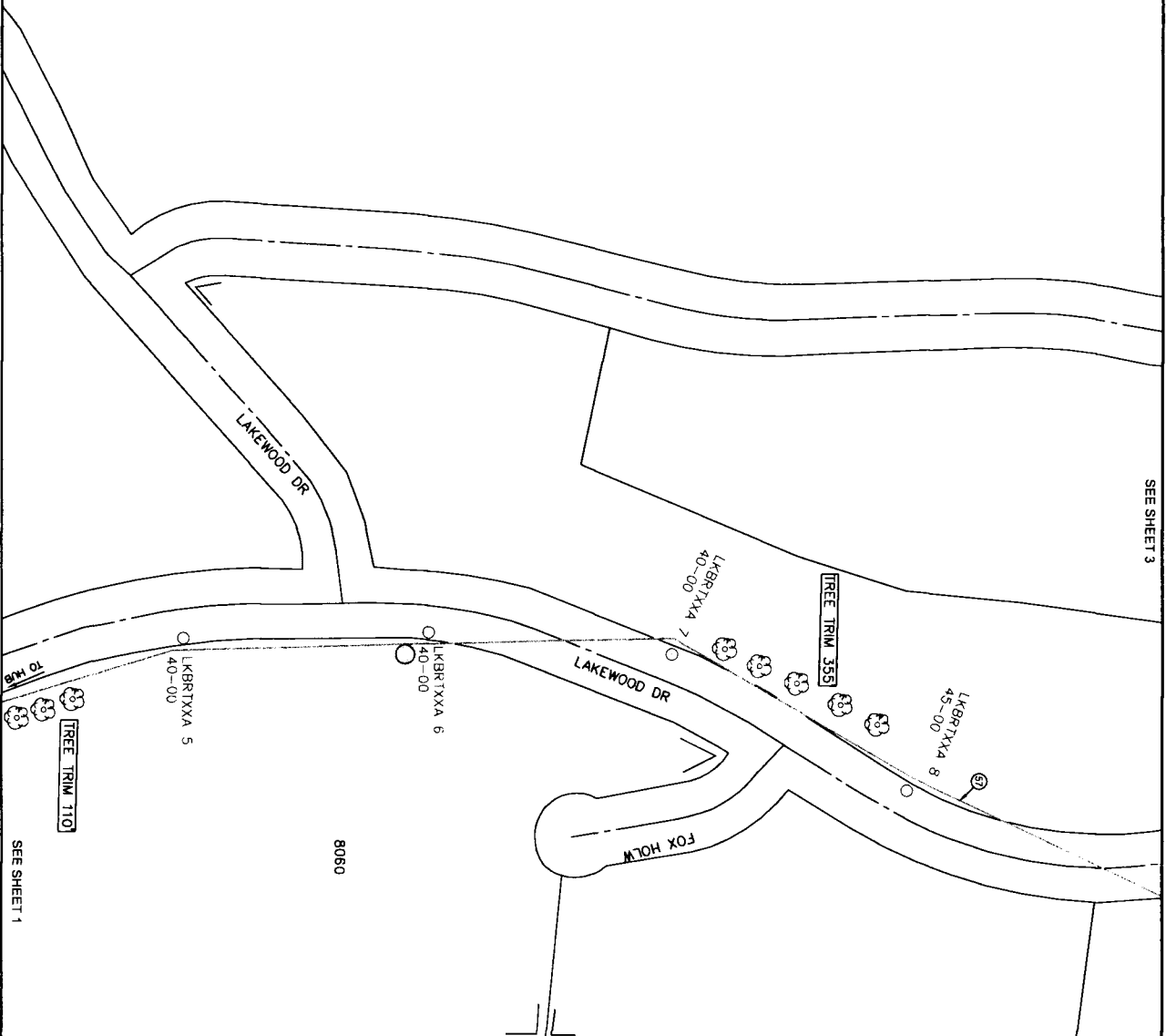
LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT NUMBER: 5307230	C.O. AREA: LAKE BROWNWOOD
DRAWN DATE: 07/04/2022	ENGR: CIVIL
SCALE: 1"=100'	TAX DISTRICT: 10863
TOWNSHIP: RING	SEC:

⑤ 3977 2421.201
 FO 288
 GS/TIP H4008.1-180+
 XD.181-288

NOTE:
 OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER

SEE SHEET 10



SEE SHEET 3

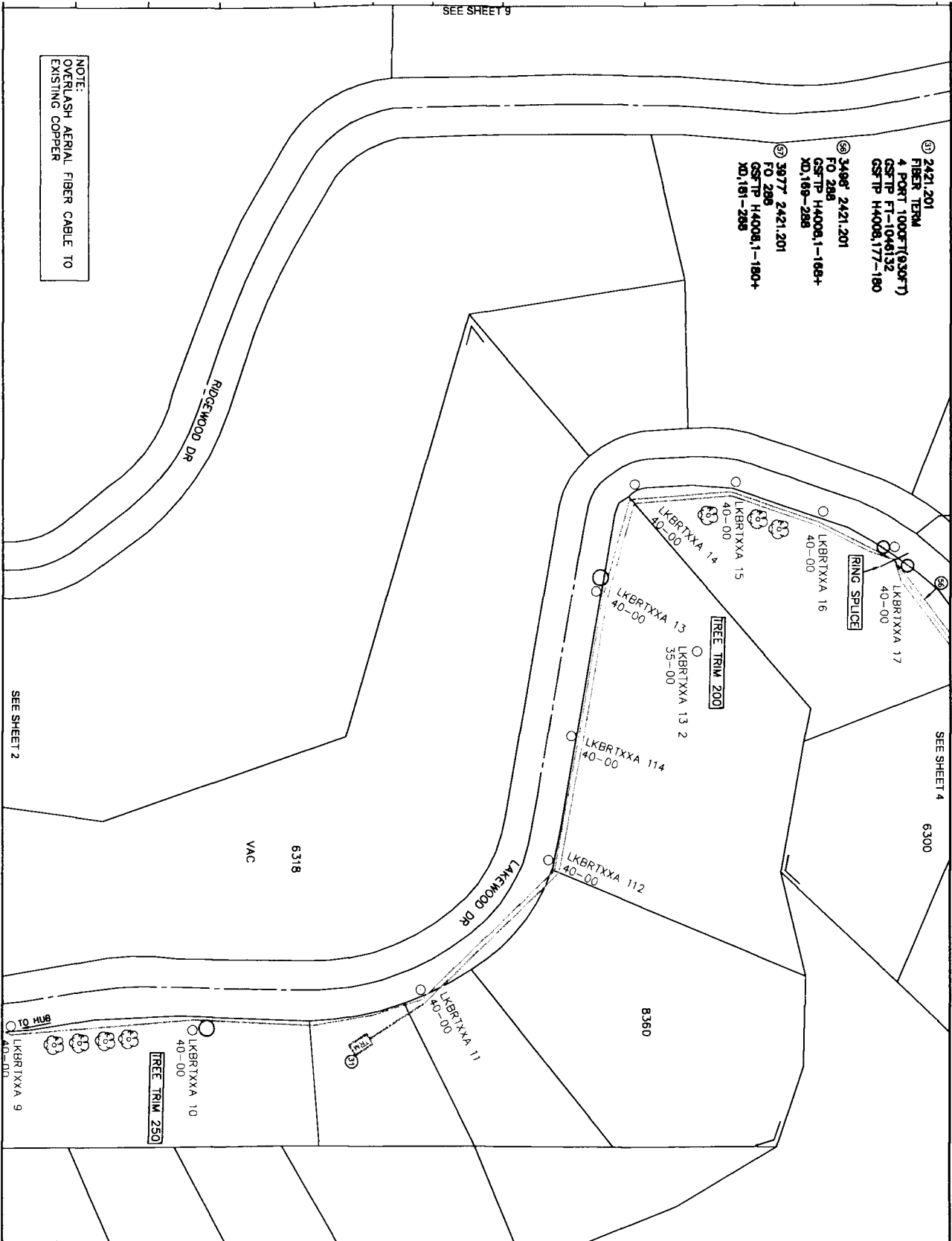
SEE SHEET 1

UNITS / ACCT CODES	
FP47B	465
REVISIONS	

 LAKE BROWNWOOD FDH_HUB_H4008	
PROJECT: 5307230 NUMBER: 10440 DRAWN DATE: 07/24/2022 SCALE: 1"=100' TOWNSHIP: RING	C.O. AREA: LAKE BROWNWOOD EXCH CODE: 10440 CLIENT: BROWN COUNTY: BROWN TAX DISTRICT: 10363 DWG: 2 OF 19 SEC:

- ① 2421.201
FIBER TRIM
4 PORT 1000FT(930FT)
GSTP FT-1046132
GSTP H4008,177-180
- ② 3498' 2421.201
FO 288
GSTP H4008,1-189+
XD,169-288
- ③ 3977' 2421.201
FO 288
GSTP H4008,1-180+
XD,161-288

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER



SEE SHEET 2


SEE SHEET 4

UNITS / ACCT CODES

FP015	1
FP034A	1035
FP034A	1555
FP22D	3498
FP47B	450
FS50	12
FS14A	1

REVISIONS

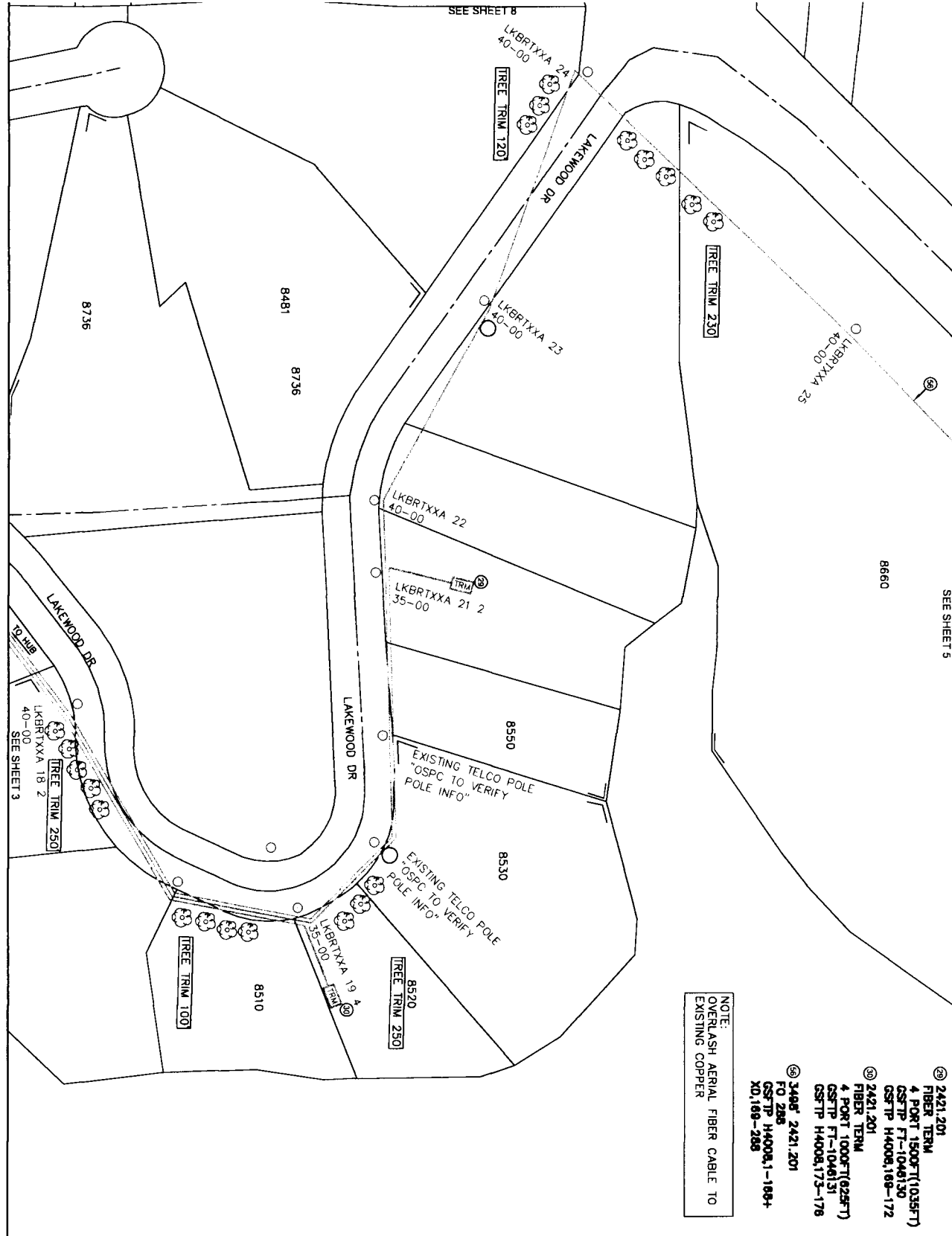
NO.	DATE	DESCRIPTION



Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT	5307230	CO AREA	LAKE BROWNWOOD
NUMBER		EXCH CODE	7040
ISSUE DATE	07/24/2022	CITY	BROWN
SCALE	1"=100'	TAX DISTRICT	10863
TWNSHIP	RNG	DWG	3
		OF	19
		SEC	



NOTE:
 OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER

- ② 2421.201 FIBER TERM 4 PORT 1500FT(1035FT) GSFTP FT-1046130 GSFTP H4008.169-172
- ③ 2421.201 FIBER TERM 4 PORT 1000FT(625FT) GSFTP FT-1046131 GSFTP H4008.173-178
- ④ 3498' 2421.201 FO 288 GSFTP H4008.1-188+ X0.169-268

UNITS / ACCT CODES

FP015	2
FP47B	950

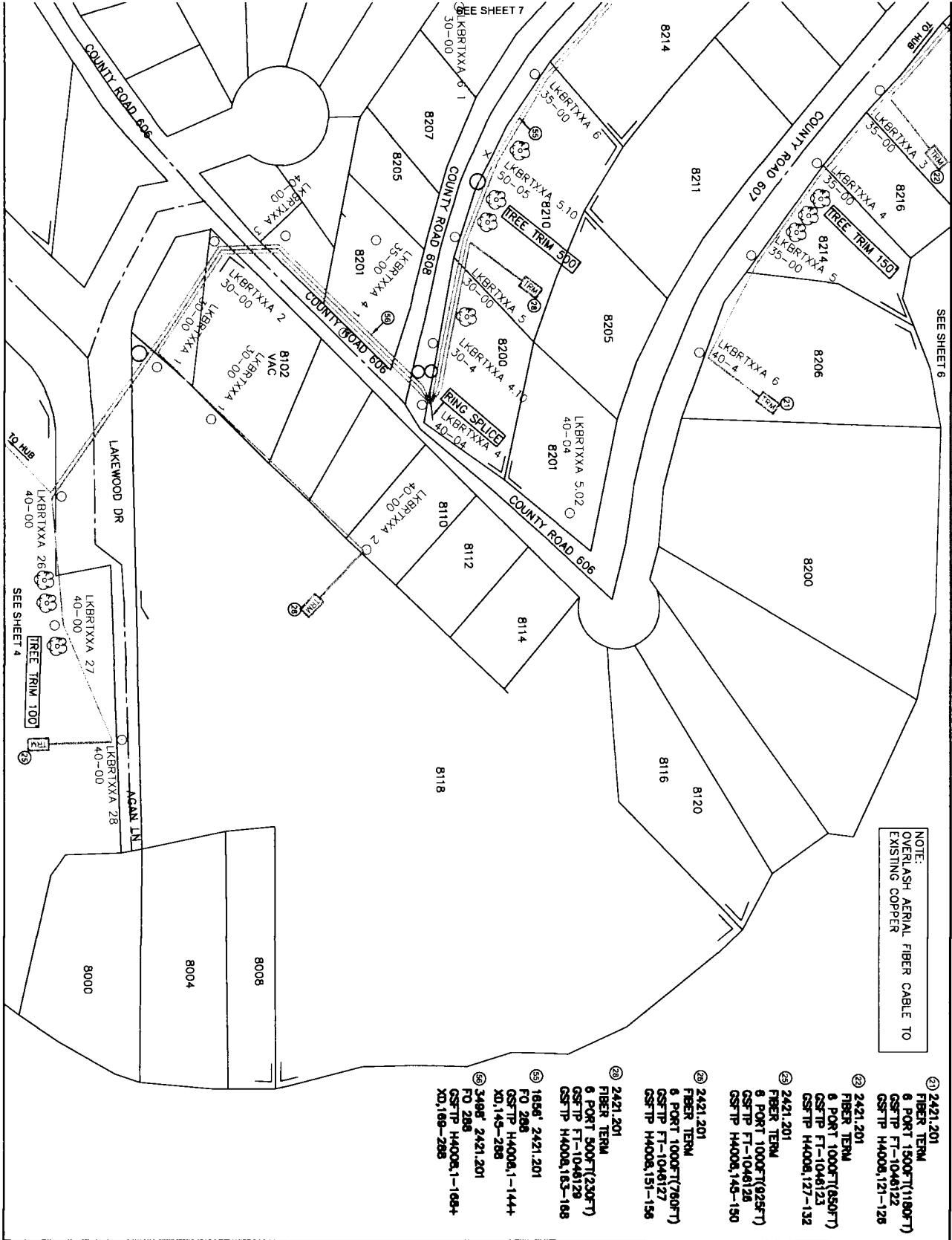
REVISIONS

Frontier
 COMMUNICATIONS

LAKE BROWNWOOD
 FDH_HUB_H4008

PROJECT	5307230	CO. AREA	LAKE BROWNWOOD
NUMBER		EXCH. CODE	70840
DRAWN DATE	07/09/2022	PHONE	N/A
SCALE	1"=100'	TAX DISTRICT	10363
TNSHP		RNG	

SEC. 4 OF 19



NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

- ② 2421.201
FIBER TERM
6 PORT 1500FT(1500FT)
CSFTP FT-1046122
CSFTP H4008,121-128
- ② 2421.201
FIBER TERM
6 PORT 1000FT(650FT)
CSFTP FT-1046123
CSFTP H4008,127-132
- ② 2421.201
FIBER TERM
6 PORT 1000FT(925FT)
CSFTP FT-1046128
CSFTP H4008,145-150
- ② 2421.201
FIBER TERM
6 PORT 1000FT(750FT)
CSFTP FT-1046127
CSFTP H4008,151-156
- ② 2421.201
FIBER TERM
6 PORT 500FT(230FT)
CSFTP FT-1046129
CSFTP H4008,183-188
- ② 1856' 2421.201
FO 288
CSFTP H4008,1-144+
- ② 3468' 2421.201
FO 288
CSFTP H4008,1-188+
- ② 169-288

UNITS / ACCT CODES

FP015	5
FP03A	605
FP03A	1290
FP03B	320
FP03B	320
FP22D	1656
FP47B	750
FSS1	24
FS14A	1

REVISIONS

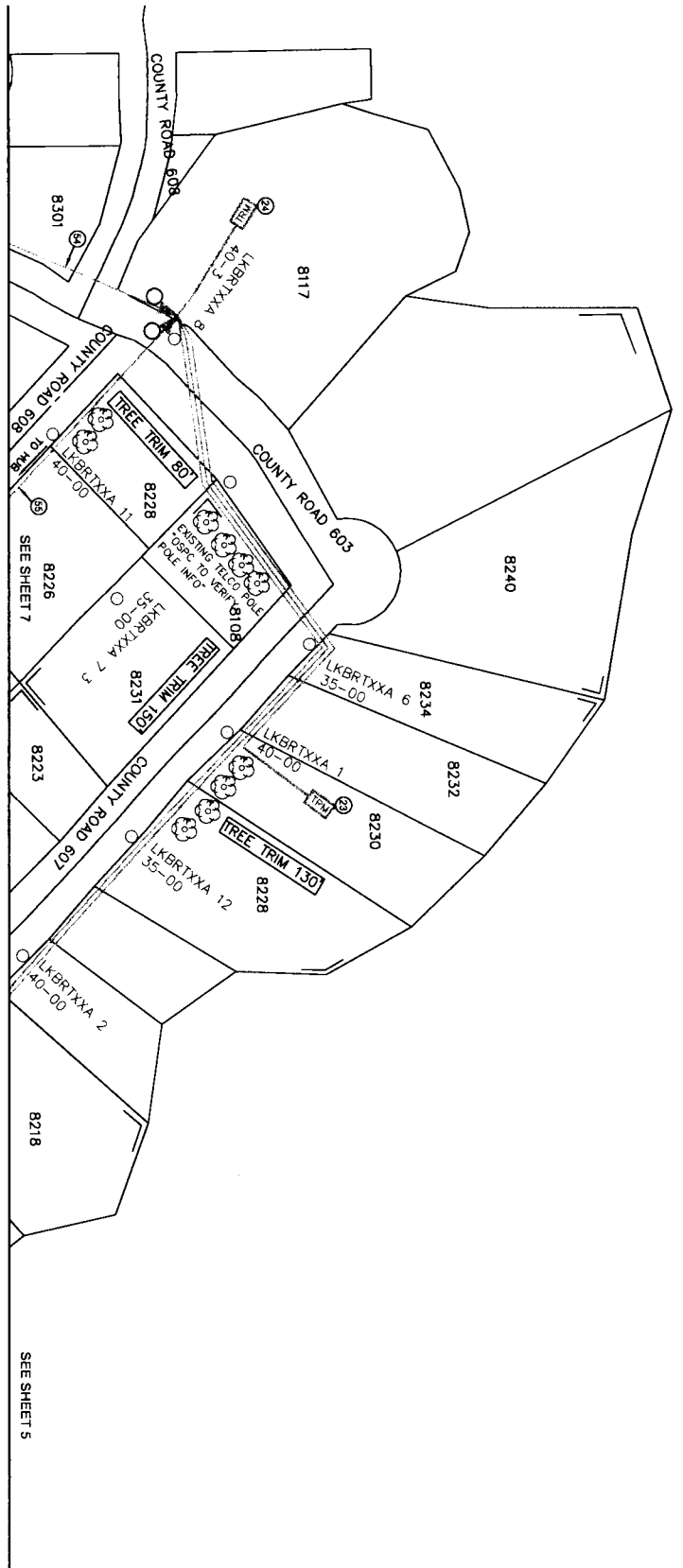
Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT	5307230	CO AREA	LAKE BROWNWOOD
NUMBER		EXCH CODE	7040
DRAWN DATE	ENGR	CLIENT	CITY BROWN
07/04/2022	PHONE: N/A	DATE	
SCALE: 1"=100'	TAX DISTRICT: 10983	DWG	5 OF 19
TOWNSHIP	RNG	SEC	

- ② 2421.201
FIBER TERM
6 PORT 1000FT(475FT)
GSFTP FT-1046124
GSFTP H4008,133-136
- ③ 2421.201
FIBER TERM
6 PORT 500FT(75FT)
GSFTP FT-1046125
GSFTP H4008,139-144
- ④ 998' 2421.201
FO 144
GSFTP H4008,1-120+
X0,121-144
- ⑤ 1898' 2421.201
FO 288
GSFTP H4008,1-144+
X0,145-288

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER




UNITS / ACCT CODES

FP015	2
FP033A	1180
FP034A	1400
FP22D	996
FP47B	390
FSS2	144
FS14A	1

REVISIONS

NO.	DATE	DESCRIPTION

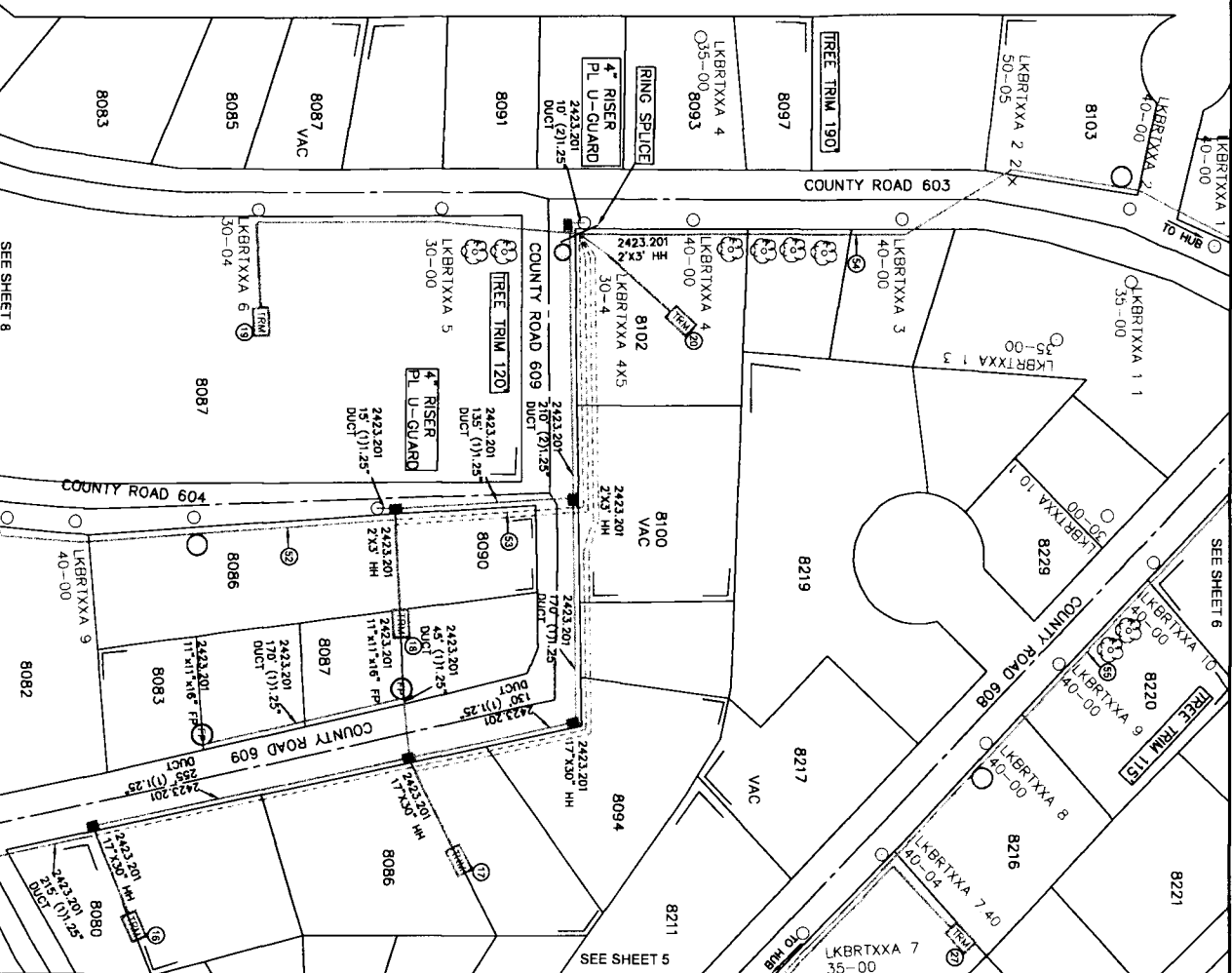

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH_HUB_H4008

PROJECT NUMBER: 5307230	C/O AREA: LAKE BROWNWOOD
DRAWN DATE: 07/04/2022	CLIENT: BROWN
PHONE: N/A	COUNTY: BROWN
TAX DISTRICT: 10983	DWG: 6
SCALE: 1"=100'	SEC: 9
TWNSHIP: RING	OF: 19

SEE SHEET 5

SEE SHEET 7

- ⑨ 2423.201
FIBER TERM
4 PORT 1000FT(800FT)
CSFTP FT-1046117
CSFTP H4008,97-100
- ⑩ 2423.201
FIBER TERM
4 PORT 1000FT(810FT)
CSFTP FT-1046118
CSFTP H4008,101-104
- ⑪ 2421.201
FIBER TERM
50-05
- ⑫ 2421.201
FIBER TERM
4 PORT 500FT(435FT)
CSFTP FT-1046119
CSFTP H4008,105-108
- ⑬ 2421.201
FIBER TERM
8 PORT 500FT(315FT)
CSFTP FT-1046120
CSFTP H4008,109-114
- ⑭ 2421.201
FIBER TERM
8 PORT 500FT(300FT)
CSFTP FT-1046121
CSFTP H4008,115-120
- ⑮ 2421.201
FIBER TERM
8 PORT 1000FT(650FT)
CSFTP FT-1046126
CSFTP H4008,157-162
- ⑯ 2178' 2421.201
FO 144
CSFTP H4008,1-96+
- ⑰ 2423.201
FO 144
CSFTP H4008,1-96+
- ⑱ 517' 2423.201
FO 144
CSFTP H4008,1-96+
- ⑲ 996' 2421.201
FO 144
CSFTP H4008,1-120+
- ⑳ 1696' 2421.201
FO 288
CSFTP H4008,1-144+
- ㉑ 145-288



UNITS / ACCT CODES	
FP017	2
FP029	860
FP032	1045
FP015	4
FP034A	395
FP43F	517
FP22D	2178
FP47B	425
FP58B	6
FP58A	2
FP59A	1135
FP59B	320
F351	24
FS14A	1

REVISIONS	

Frontier		LAKE BROWNWOOD COMMUNICATIONS	
PROJECT NUMBER: 5307230		G.O. AREA: LAKE BROWNWOOD	
DRAWN DATE: ENGR. CLIENT		EACH CODE: 7040	
SCALE: 1"=100'		TAX DISTRICT: 10883	
TOWNSHIP: RING		SEC: 7	
		7 OF 18	

NOTE:
OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.

- ③ 2421.201
FIBER TERM
6 PORT 5000FT(40SFT)
CSFTP FT-1046108
CSFTP H4008,31-36
- ④ 2421.201
FIBER TERM
6 PORT 1000FT(74SFT)
CSFTP FT-1046115
CSFTP H4008,49-56
- ⑤ 2421.201
FIBER TERM
6 PORT 1000FT(68SFT)
CSFTP FT-1046115
CSFTP H4008,65-80
- ⑥ 2176' 2421.201
FD 144
CSFTP H4008,1-98+
XD,97-144

ADDRESSES ADDED
FROM H4003



UNITS / ACCT CODES

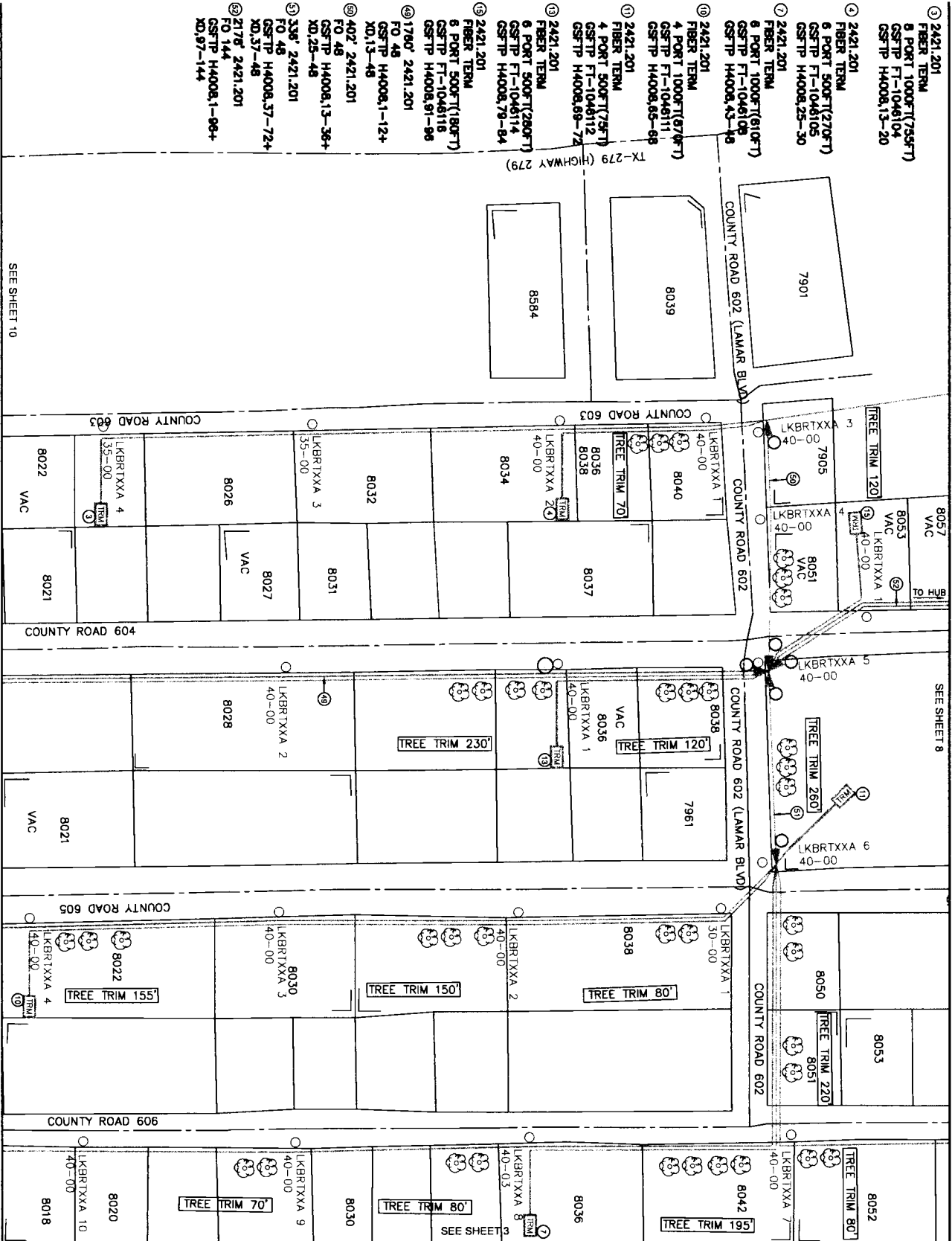
FP015	3
FP47B	320
FP58A	4
FP59A	620

REVISIONS

Frontier
COMMUNICATIONS
LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT NUMBER: 5307230	C/O AREA: LAKE BROWNWOOD
DRAWN DATE: 07/04/2022	ENGR: N/A
SCALE: 1"=100'	TAX DISTRICT: 10683
TOWNSHIP: RING	SEC: 8 OF 19

- ① 2421.201 FIBER TERM 8 PORT 1000FT(735FT)
GSFTP FT-1046104
GSFTP H4008,13-20
- ② 2421.201 FIBER TERM 6 PORT 500FT(270FT)
GSFTP FT-1046105
GSFTP H4008,25-30
- ③ 2421.201 FIBER TERM 6 PORT 1000FT(610FT)
GSFTP FT-1046108
GSFTP H4008,43-48
- ④ 2421.201 FIBER TERM 4 PORT 1000FT(870FT)
GSFTP FT-1046111
GSFTP H4008,65-68
- ⑤ 2421.201 FIBER TERM 4 PORT 500FT(75FT)
GSFTP FT-1046112
GSFTP H4008,69-72
- ⑥ 2421.201 FIBER TERM 8 PORT 500FT(280FT)
GSFTP FT-1046114
GSFTP H4008,79-84
- ⑦ 2421.201 FIBER TERM 6 PORT 500FT(180FT)
GSFTP FT-1046116
GSFTP H4008,91-96
- ⑧ 1760' 2421.201 FO 48 GSFTP H4008,1-12+ X0,13-48
- ⑨ 402' 2421.201 FO 48 GSFTP H4008,13-36+ X0,25-48
- ⑩ 336' 2421.201 FO 48 GSFTP H4008,37-72+ X0,37-48
- ⑪ 2176' 2421.201 FO 144 GSFTP H4008,1-98+ X0,97-144




SEE SHEET 3

UNITS / ACCT CODES

FP015	7
FP034	3305
FP034A	5455
FP22D	2498
FP47B	1830
FS52	96
FS14A	1
FS51	20
FS14A	1
FS51	36
FS14A	1

REVISIONS

NO.	DATE	DESCRIPTION


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH_HUB_H4008

PROJECT NUMBER: 5307230
 DRAWN DATE: 07/04/2022
 SCALE: 1"=100'
 TNSHIP: RING

C/O AREA: LAKE BROWNWOOD
 ENG. CODE: 70440
 COUNTY: BROWN
 FILE: 9
 OF: 18

SEE SHEET 10

① 2423.201
FIBER TERM
4 PORT 1000FT(495FT)
G5FTP FT-1046102
G5FTP H4006,5-4

② 2421.201
FIBER TERM
8 PORT 500FT(895FT)
G5FTP FT-1046103
G5FTP H4006,5-12

③ 2421.201
FIBER TERM
6 PORT 1500FT(1370FT)
G5FTP FT-1046107
G5FTP H4006,57-42

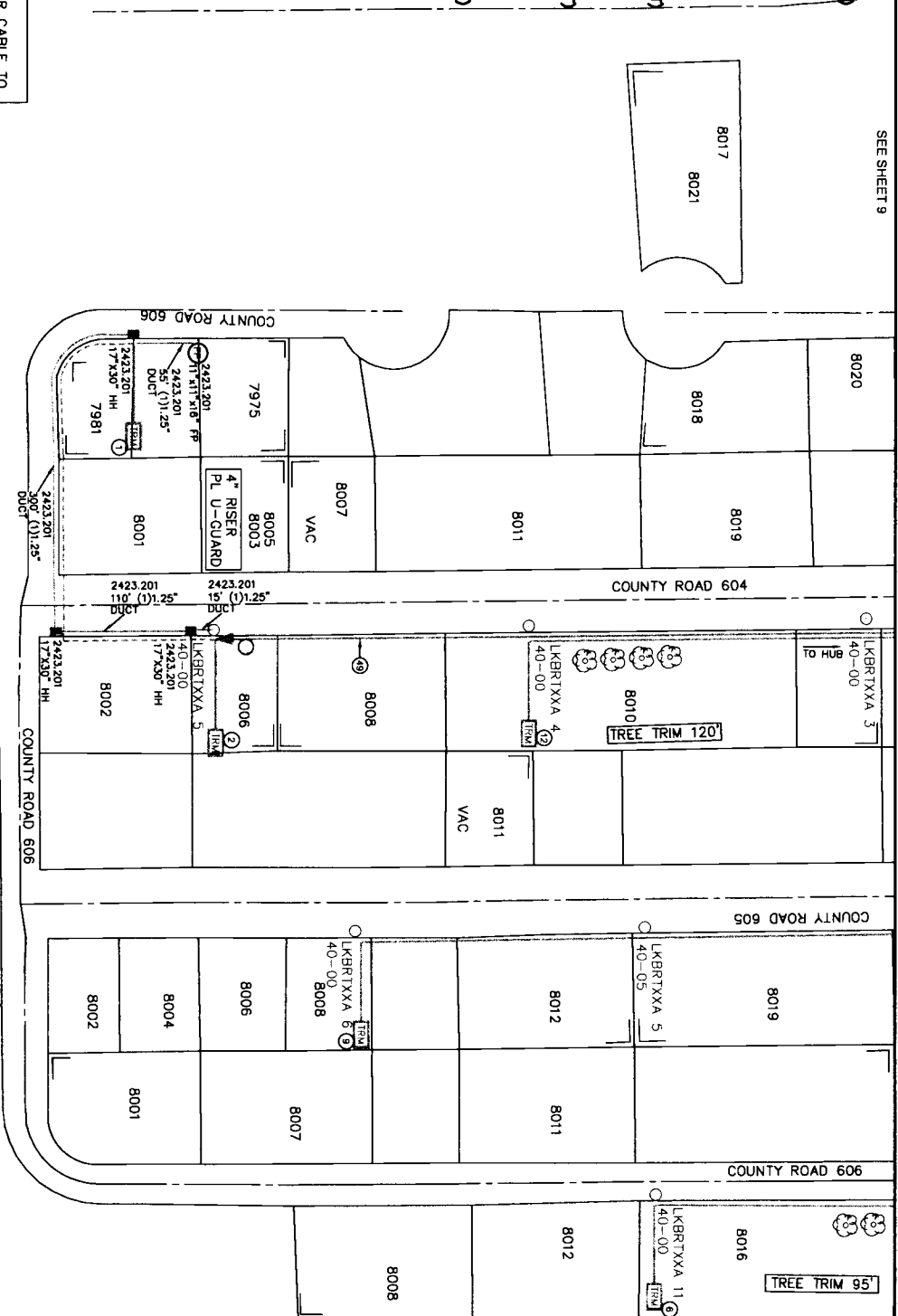
④ 2421.201
FIBER TERM
8 PORT 1500FT(1355FT)
G5FTP FT-1046110
G5FTP H4006,57-64

⑤ 2421.201
FIBER TERM
6 PORT 1500FT(1180FT)
G5FTP FT-1046113
G5FTP H4006,73-76

⑥ 1780' 2421.201
FO 46
G5FTP H4006,1-12+
X0,13-48

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.



UNITS / ACCT CODES

FP017	1
FP029	495
FP015	4
FP034A	60
FP47B	120
FP58B	3
FP58A	1
FSS0	480
FSS0	12
FS14A	1

REVISIONS

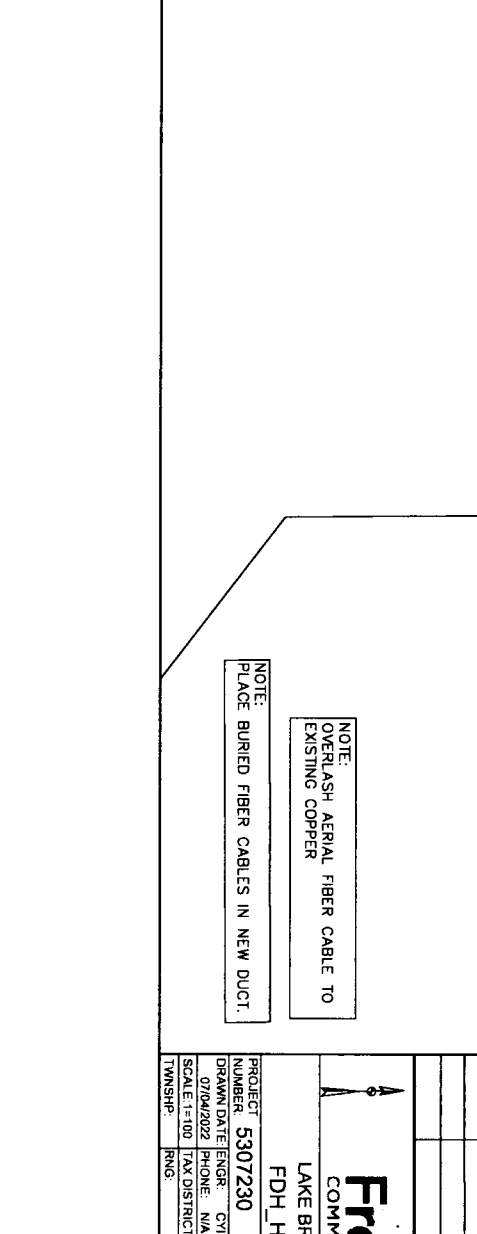
Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT: 5307230
DRAWN DATE: 07/04/2022
SCALE: 1"=100'

C.O AREA: LAKE BROWNWOOD
ENGR: N/A
CLIENT: BROWN
CITY: BROWN
TAX DISTRICT: 10863
DWG: 10 OF 19
TWSHP: RING SEC

SEE SHEET 1



NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

DRIVE WAY 5700

COUNTY ROAD 3021

FM-3021

FM-3021

SEE SHEET 12

② 2002' 2421.201
FD 144
GSTP H4008,181-278+
X0.97-144

③ 144' 2423.201
FD 144
GSTP H4008,181-278+
X0.97-144

REVISIONS

NO.	DATE	BY	DESCRIPTION

UNITS / ACCT CODES

UNIT / ACCT CODE	QUANTITY
FP22D	2002
FP47B	65
FP58B	2
FP59B	435

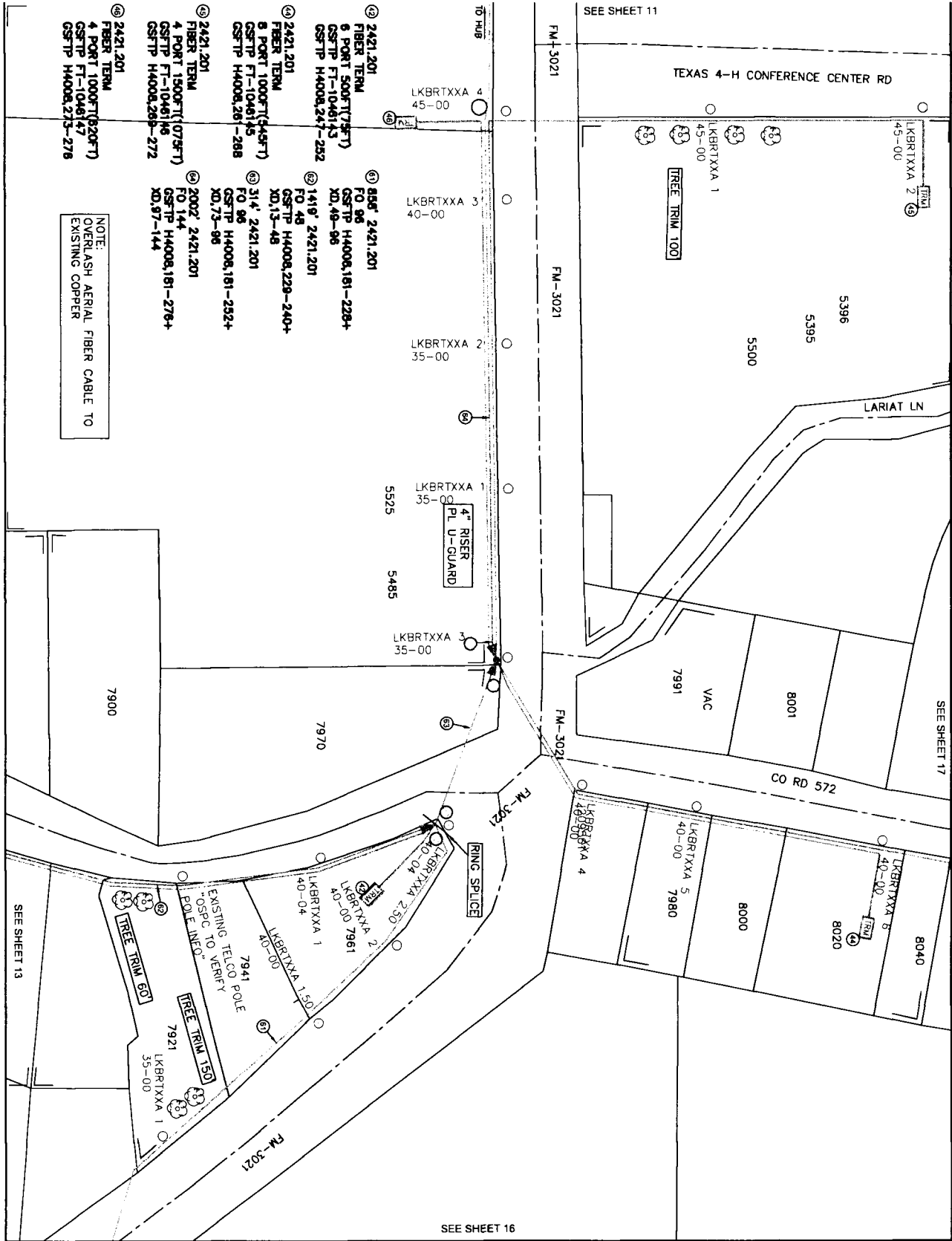
Frontier COMMUNICATIONS

LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT NUMBER: 5307230
DRAWN DATE: 07/04/2002
SCALE: 1"=100'

TOWNSHIP: RING

CO. AREA: LAKE BROWNWOOD
SHEET CODE: 70440
CITY: BROWN
PHONE: N/A
FAX DISTRICT: 10983
DWG: 11 OF 19
SEC:



SEE SHEET 16

UNITS / ACCT CODES

FP015	4
FP033A	1756
FP033A	2315
FP22D	2591
FP47B	310
FS52	96
FS14A	1
FS51	24
FS14A	1

REVISIONS

Frontier
COMMUNICATIONS

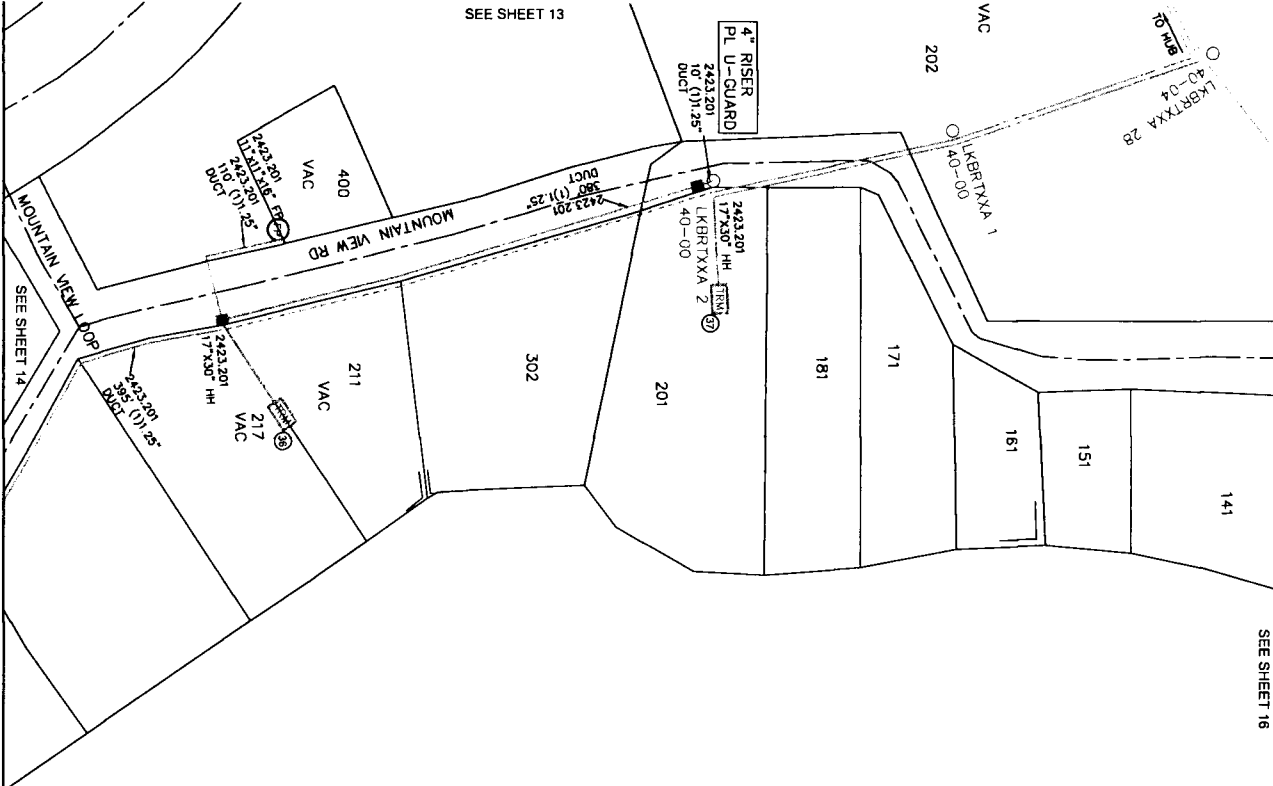
LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT NUMBER: 5307230	S.O. AREA: LAKE BROWNWOOD
DRAWN DATE: ENGR: CLIENT: 07/04/2022 PHONE: N/A	EXCH CODE: 7046
SCALE: 1"=100'	TAX DISTRICT: 10383
TWNSHIP: RING	DWG: 12 OF 19
SEC:	

NOTE: OVERLASH AERIAL FIBER CABLE TO EXISTING COPPER

- ④ 2421.201 FIBER TERM 8 PORT 500FT(75F7) GSFTP FT-1046145 GSFTP H4008,247-252
- ④ 2421.201 FIBER TERM 8 PORT 1000FT(545F7) GSFTP FT-1046145 GSFTP H4008,261-268
- ④ 2421.201 FIBER TERM 4 PORT 1500FT(1075F7) GSFTP FT-1046145 GSFTP H4008,269-272
- ④ 2421.201 FIBER TERM 4 PORT 1000FT(750F7) GSFTP FT-1046147 GSFTP H4008,273-278
- ④ 2421.201 FIBER TERM 4 PORT 500FT(75F7) GSFTP FT-1046145 GSFTP H4008,247-252
- ④ 2421.201 FIBER TERM 4 PORT 1000FT(545F7) GSFTP FT-1046145 GSFTP H4008,261-268
- ④ 2421.201 FIBER TERM 4 PORT 1500FT(1075F7) GSFTP FT-1046145 GSFTP H4008,269-272
- ④ 2421.201 FIBER TERM 4 PORT 1000FT(750F7) GSFTP FT-1046147 GSFTP H4008,273-278

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER



② 2423.201
 FIBER TERM
 6 PORT 1500FT(1305FT)
 GSFTP FT-1046137
 GSFTP H4008.205-210
 ③ 2421.201
 FIBER TERM
 6 PORT 1000FT(910FT)
 GSFTP FT-1046138
 GSFTP H4008.211-216

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.

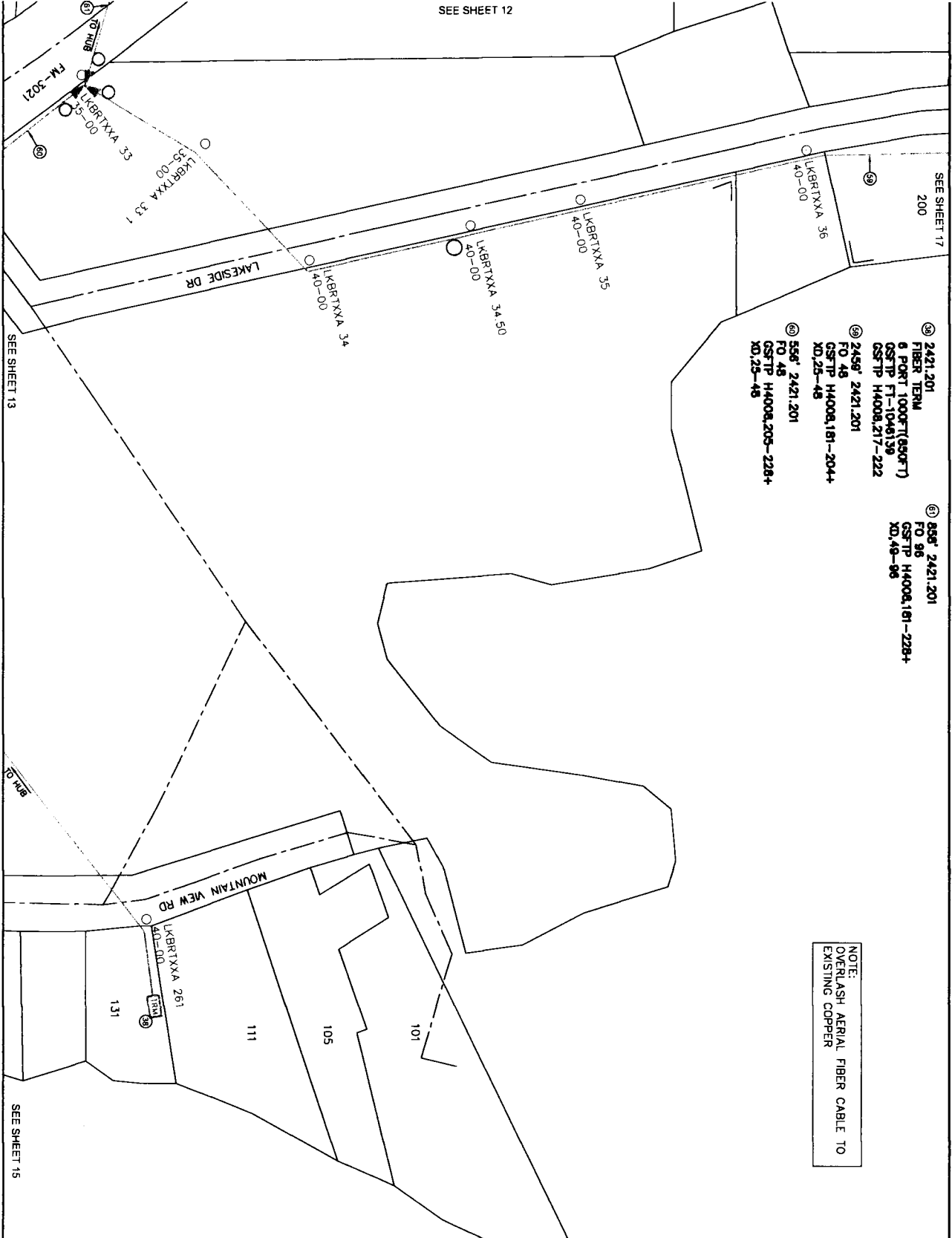
UNITS / ACCT CODES	
FP017	1
FP015	1
FP588	2
FP584	1
FP584	895

REVISIONS



LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT	5307230	C/O AREA	LAKE BROWNWOOD
NUMBER		EXCH CODE	7040
DRAWN DATE	ENGR	CLIENT	BROWN
07/04/2022	PHONE: N/A	CNTY	
SCALE 1"=100'	TAX DISTRICT: 10663	DWG	15 OF 19
TWNSHIP	RNG	SEC	



- ② 2421,201
FIBER TERM
8 PORT 1000FT(830FT)
CSFTP F1-1046139
CSFTP H4008,217-222
- ③ 2421,201
FO 48
CSFTP H4008,181-204+
XD,25-48
- ④ 558' 2421,201
FO 48
CSFTP H4008,205-228+
XD,25-48
- ⑤ 858' 2421,201
FO 96
CSFTP H4008,181-228+
XD,48-96

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

UNITS / ACCT CODES

FP015	1
FP21D	2619
FP23D	396
FSS1	48
FS14A	1

REVISIONS

Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH_HUB_H4008

PROJECT NUMBER	5307230	C/O AREA	LAKE BROWNWOOD
DRAWN DATE	07/04/2022	ENG	10440
SCALE	1"=100'	PHONE	N/A
TWNSHIP	RNG	FAX	DISTRICT: 10883 DWG 16 OF 19

APPLICATION TO INSTALL PRIVATE LINE

DATE: 8/23/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried or aerial water Fiber optic cable
telephone electric gas line within the right-of-way and/or across a county road in Brown County,
Texas, as follows:

Precinct # _____ Location: Starting point: 7500 LIMERICK DR This will involve a bore or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 07 day of October, 20 22

This project falls under Brown county
County roads: all are listed on the
designs.

CR 551
Neal Dr.
Bellevue

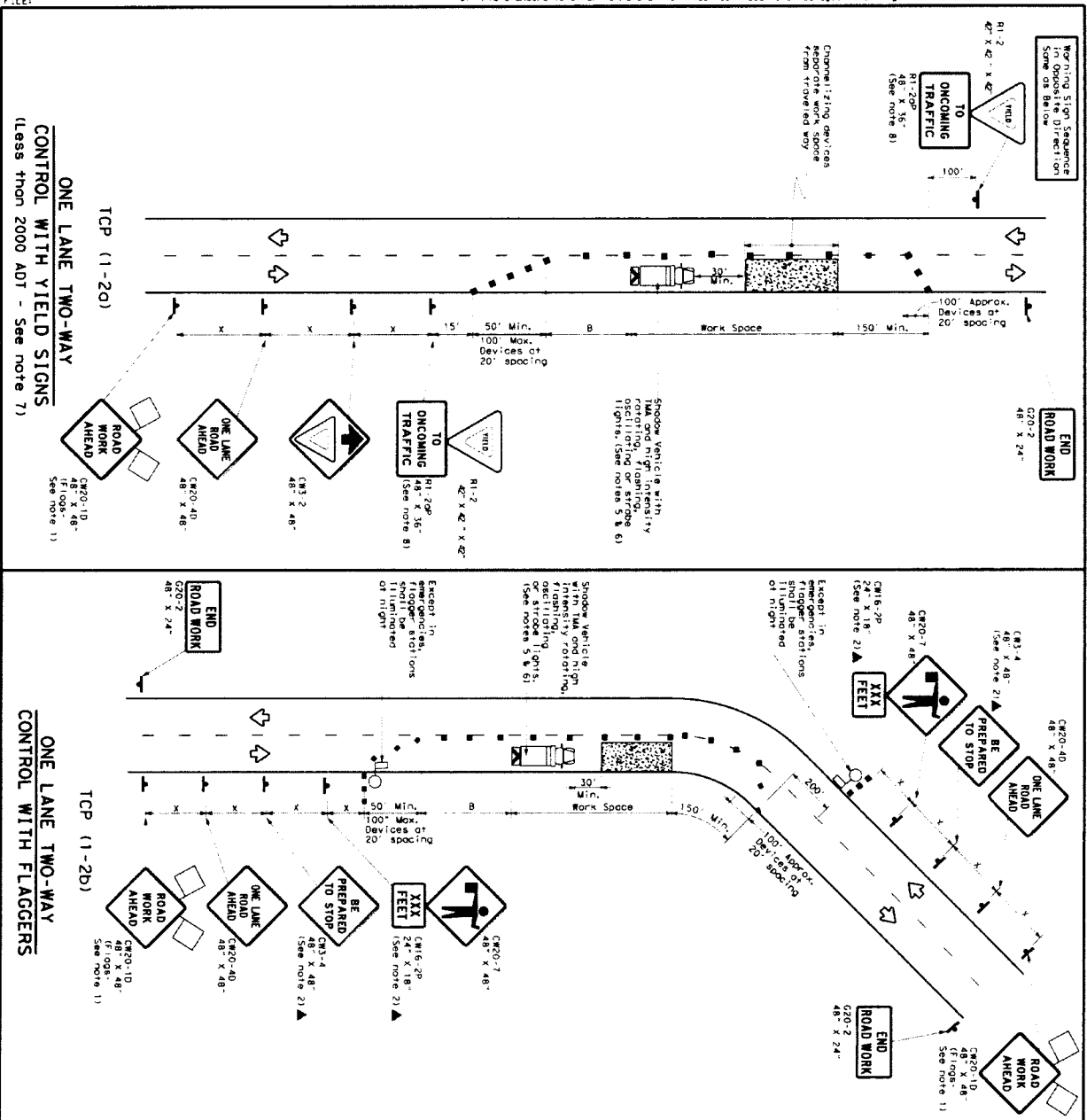
By CHRISTIAN REESE (On Behalf of Frontier Communications)

Address Christian.Reese@cyient.com

Phone 662-400-9330

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 damage resulting from its use.

DATE: _____
FILE: _____



GENERAL NOTES

- All traffic control devices illustrated are REQUIRED, except those denoted with the maintenance work, when approved by the field engineer.
- The CE3-4 "BE PREPARED TO STOP" sign may be installed on the CE20-40 "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
- STOP spacing may be increased or on temporary CE20-10 "ROAD WORK AHEAD" sign may be used in advance of the work area without adversely affecting the performance or quantity of the work, if workers are no longer present but road or work conditions reduce the traffic control to a minimum. Type 3 Barricades or other channelizing devices should be used in advance of the work area.
- Additional shadow vehicles with TAM may be positioned off the posted surface, next to those shown in order to protect wider work areas.

TCP (1-20)

- R1-2 "YIELD" sign traffic control may be used on projects with operations that have adequate sign distances. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
- R1-2 "YIELD" sign with R1-2P "TO ONCOMING TRAFFIC" please shall be placed on a support of 7' clear height mounting height.

TCP (1-21)

- Flagger's should use two-way radios or other methods of communication to control traffic.
- Length of work space should be based on the ability of flaggers to communicate with the traffic.
- Length of work space should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
- Channelizing devices on the center-line may be omitted when a pilot car is leading.
- Flagger should observe 20' STOP spacing.
- Flagger should observe 20' STOP spacing to control traffic. Flagger should be limited to emergency situations.

LEGEND

Symbol	Description	Symbol	Description
□	Type 3 Barricade	□	Channelizing Devices
□	Heavy Work Vehicle	□	Truck Mounted Attenuator (TMA)
□	Trailing Mounted Flashing Arrow Board	□	Portable Channelizing Message Sign (CMS)
□	Sign	□	Traffic Flow
□	Flagger	□	Flagger

TYPICAL USAGE

MOBILE	SHORT DURATION	INTERMEDIATE DURATION	LONG TERM STATIONARY
✓	✓	✓	✓

Traffic Department of Transportation
OPERATIONS DIVISION

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL

TCP (1-2) - 18

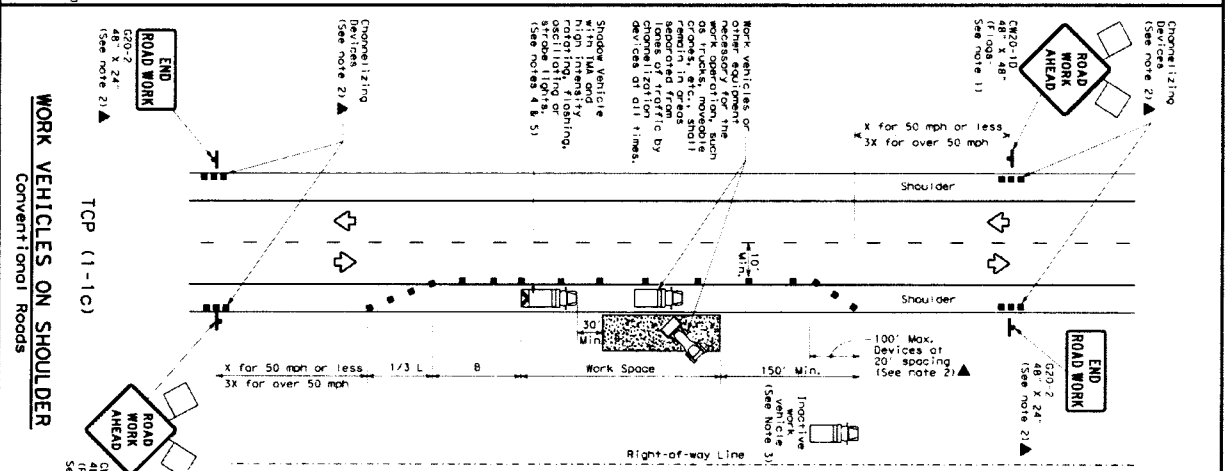
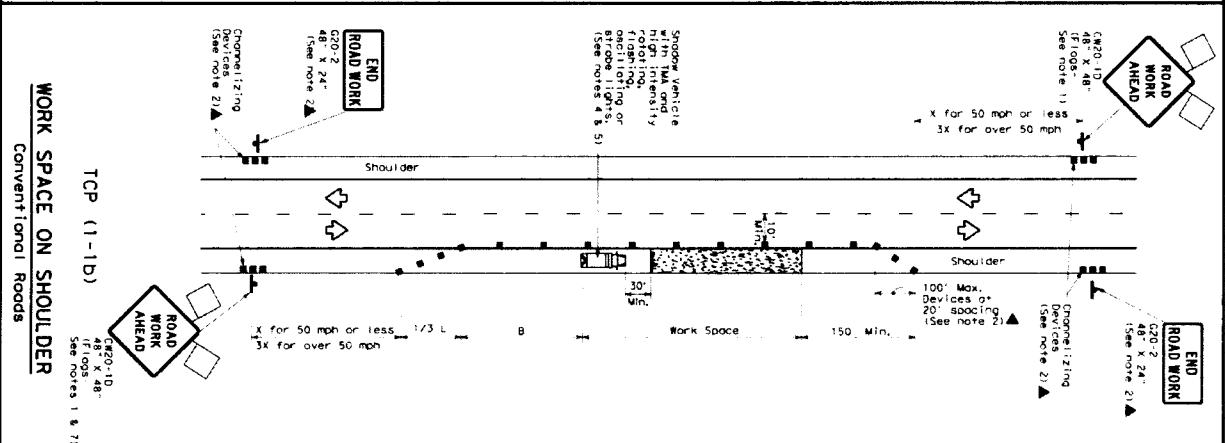
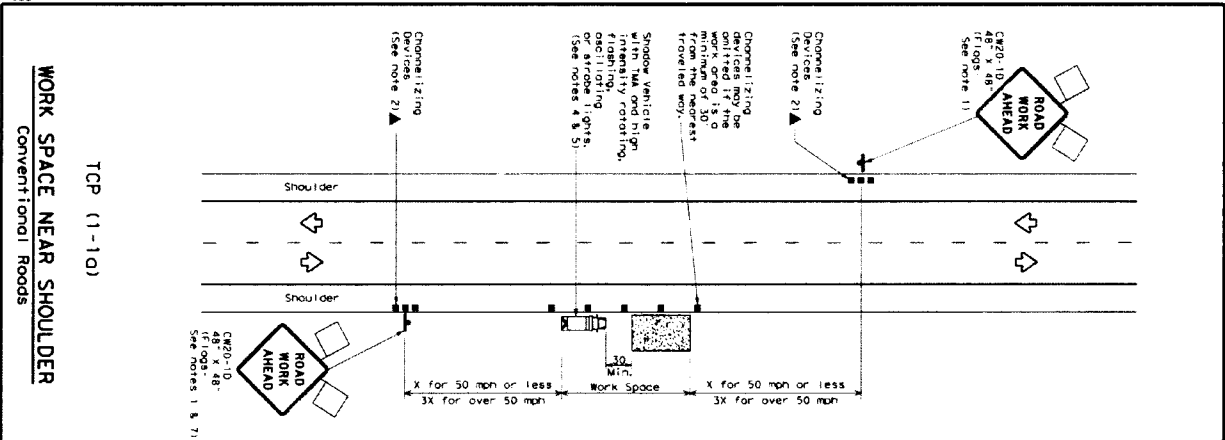
DATE: 12/15/11
FILE: 1-21

Proposed Speed (mph)	Formula	Minimum Worker Lengths (ft)	Spacing of Channelizing Devices (ft)	Minimum Spacing of Barricades (ft)	Suggested Stopping Sight Distance (ft)
10	10' + 11' / 2	30'	60'	120'	200'
15	15' + 15' / 2	45'	90'	180'	250'
20	20' + 20' / 2	60'	120'	240'	305'
25	25' + 25' / 2	75'	150'	300'	360'
30	30' + 30' / 2	90'	180'	360'	425'
35	35' + 35' / 2	105'	210'	420'	495'
40	40' + 40' / 2	120'	240'	480'	570'
45	45' + 45' / 2	135'	270'	540'	645'
50	50' + 50' / 2	150'	300'	600'	720'
55	55' + 55' / 2	165'	330'	660'	800'
60	60' + 60' / 2	180'	360'	720'	880'
65	65' + 65' / 2	195'	390'	780'	960'
70	70' + 70' / 2	210'	420'	840'	1040'
75	75' + 75' / 2	225'	450'	900'	1120'

* Conventional roads only.
** Tower lengths have been rounded off.
L = Length of tower (ft); W = width of offset (ft); S = posted speed (mph).

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
	Heavy Work Vehicle
	Truck Mounted Attenuator (TMA)
	Portable Changeable Message Sign (PCMS)
	Traffic Flow
	Flag
	Channelizing Device
	Truck Mounted Attenuator (TMA)
	Portable Changeable Message Sign (PCMS)
	Traffic Flow
	Flag

Postcode Formula	Minimum Taper Length	Suggested Max. Taper Length	Minimum Sign Spacing	Suggested Buffer Space
M	10'	11'	30'	30'
MS	150'	165'	30'	120'
MS	205'	225'	35'	160'
MS	265'	285'	40'	200'
MS	325'	345'	45'	240'
MS	385'	405'	50'	280'
MS	445'	465'	55'	320'
MS	505'	525'	60'	360'
MS	565'	585'	65'	400'
MS	625'	645'	70'	440'
MS	685'	705'	75'	480'
MS	745'	765'	80'	520'
MS	805'	825'	85'	560'
MS	865'	885'	90'	600'

* Conventional Roads Only
** Taper lengths have been rounded off.
L- Length of taper (ft); W- width of taper (ft); S- spaced (feet)

TYPICAL USAGE			
MOBILE	SHORT TERM	INTERMEDIATE	LONG TERM
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓

GENERAL NOTES

- Flags attached to signs where shown are required.
- All traffic control devices illustrated are required, except those denoted with the "r" (route) symbol may be omitted when stored elsewhere in the plans, or for routine maintenance work, when approved by the engineer.
- For 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 crew of work vehicles without adversely impact present but road or work space on the shoulder. The shadow vehicle should remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional shadow vehicles with TMA's may be positioned off the paved shoulder in advance of the work vehicles with a TMA.
- See TCE-11 for shoulder work on divided highways, especially dual freeways.
- CR21.5 SHOULDER WORK signs may be used in place of CR20-10 (roadway).
- ROAD WORK AHEAD signs for shoulder work on conventional roads (roadway).

Texas Department of Transportation

Traffic Operations

Standard

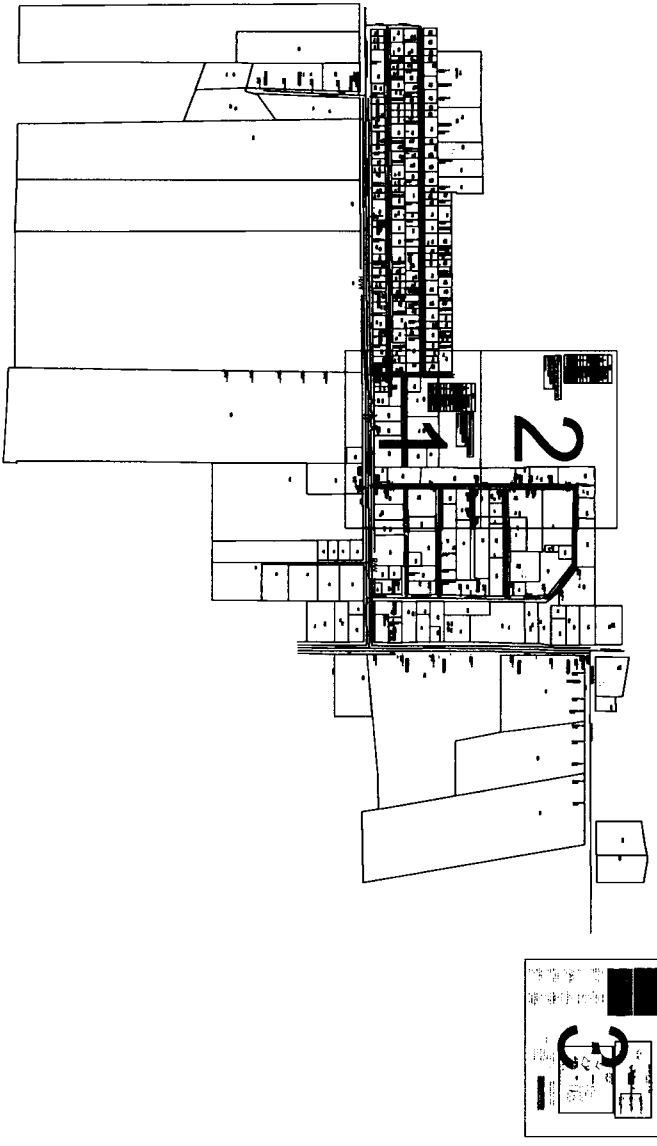
TRAFFIC CONTROL PLAN

CONVENTIONAL ROAD


SHOULDER WORK

TCP (1-1)-18

DATE: 2-28-12
FILE: 445-2-12

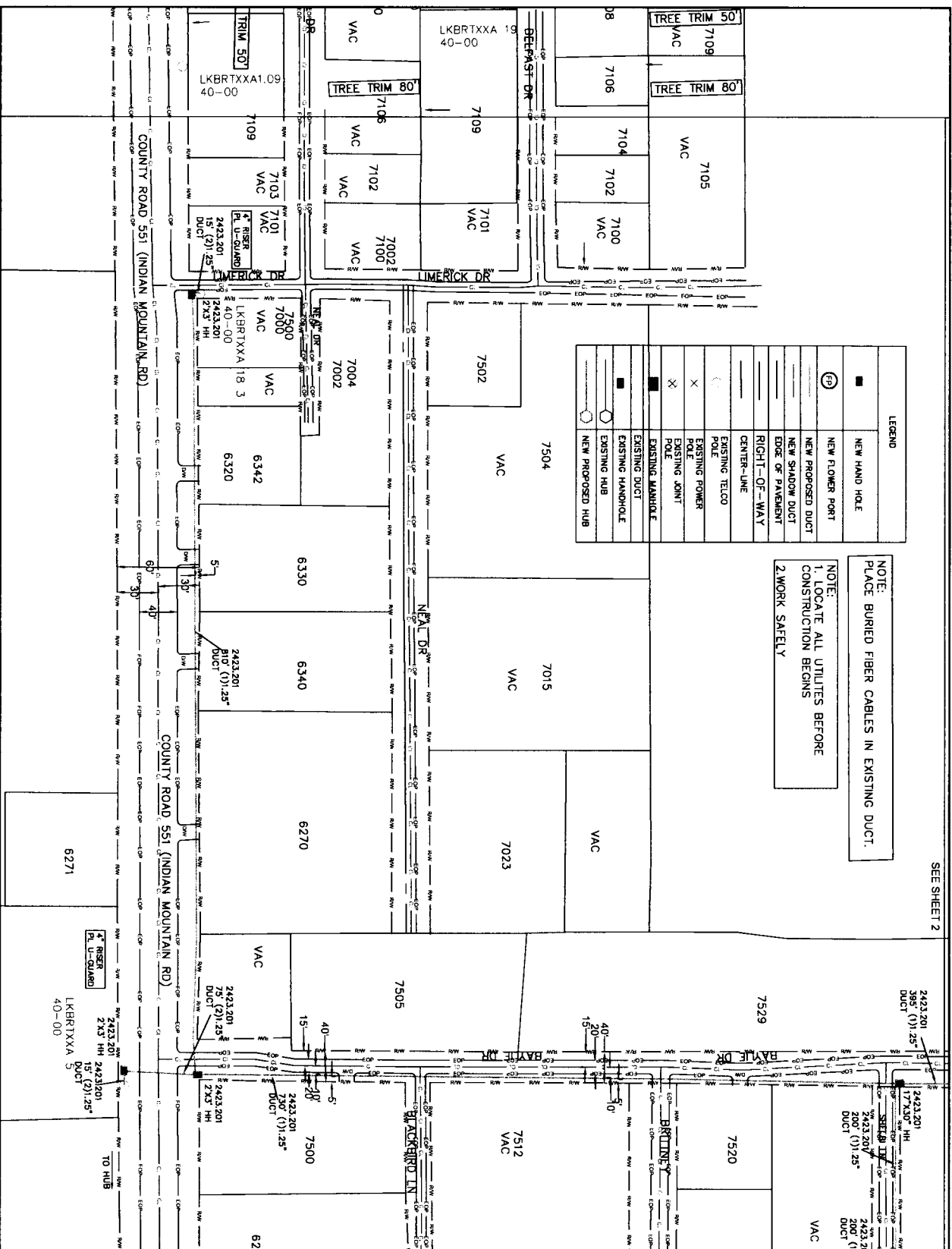


REVISIONS	


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
FDH H4007 PERMIT DRAWING

PROJECT NUMBER	5307231	C.O. AREA	LAKE BROWNWOOD
DRAWN DATE	09/10/2022	EXCH. CODE	70440
ENGINEER	N/A	CNTY.	BROWN
PHONE	N/A	FILE	
TAX DISTRICT	10363	DWG	
TWNSHIP		SEC.	
RNG.		OF	

SCALE: 1"=100'



NOTE:
PLACE BURIED FIBER CABLES IN EXISTING DUCT.

NOTE:
1. LOCATE ALL UTILITIES BEFORE
CONSTRUCTION BEGINS
2. WORK SAFELY

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
—	EXISTING DUCT
—	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH H4007 PERMIT DRAWING

PROJECT NUMBER	5307231	C.O. AREA	LAKE BROWNWOOD
DRAWN DATE	09/10/2022	ENGINEER	N/A
CLIENT	LAKE BROWNWOOD	CNTY.	BROWN
FILE		FILE	
SCALE	1"=100'	TAX DISTRICT	T0363
TWNSHIP		RNG.	

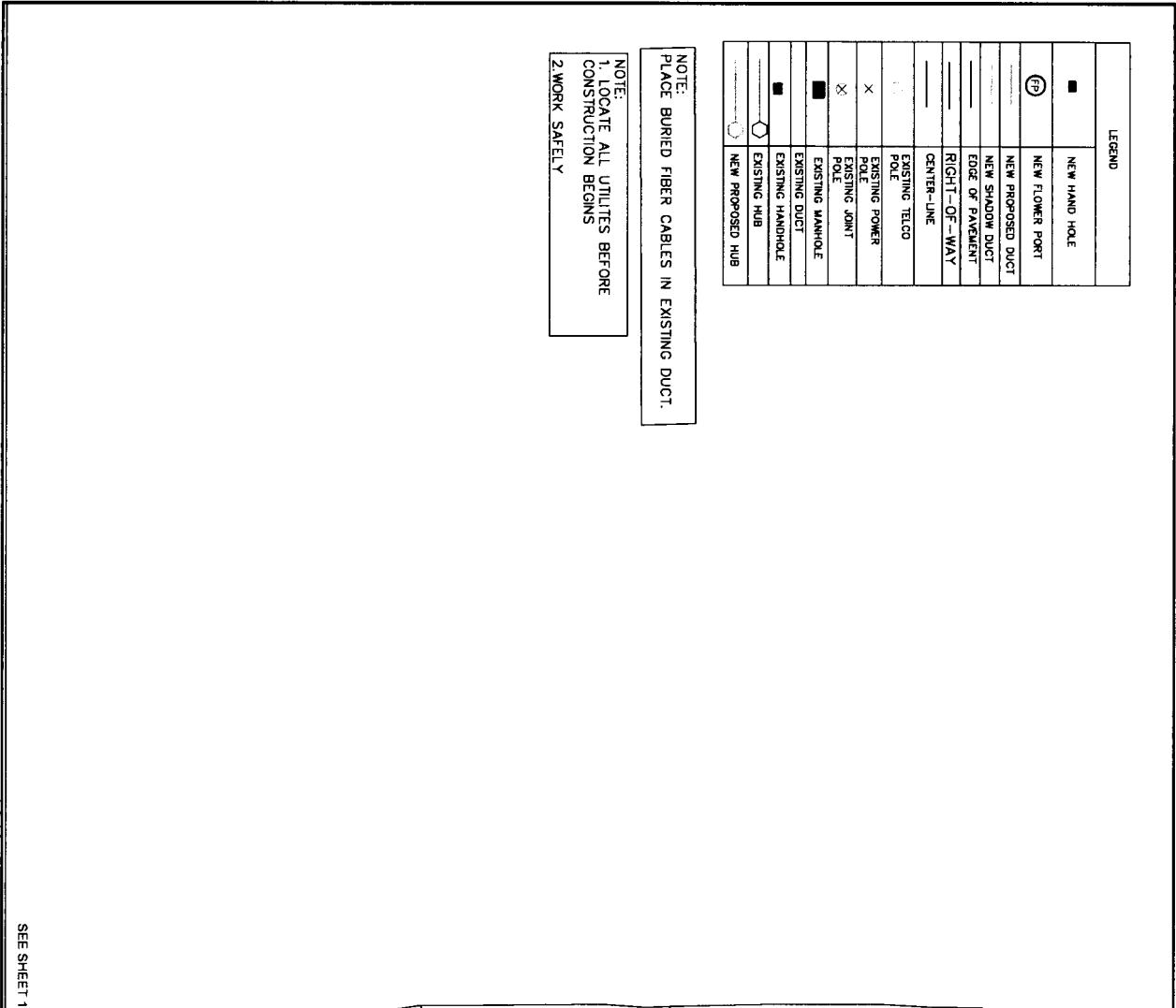
REVISIONS

NO.	DATE	DESCRIPTION

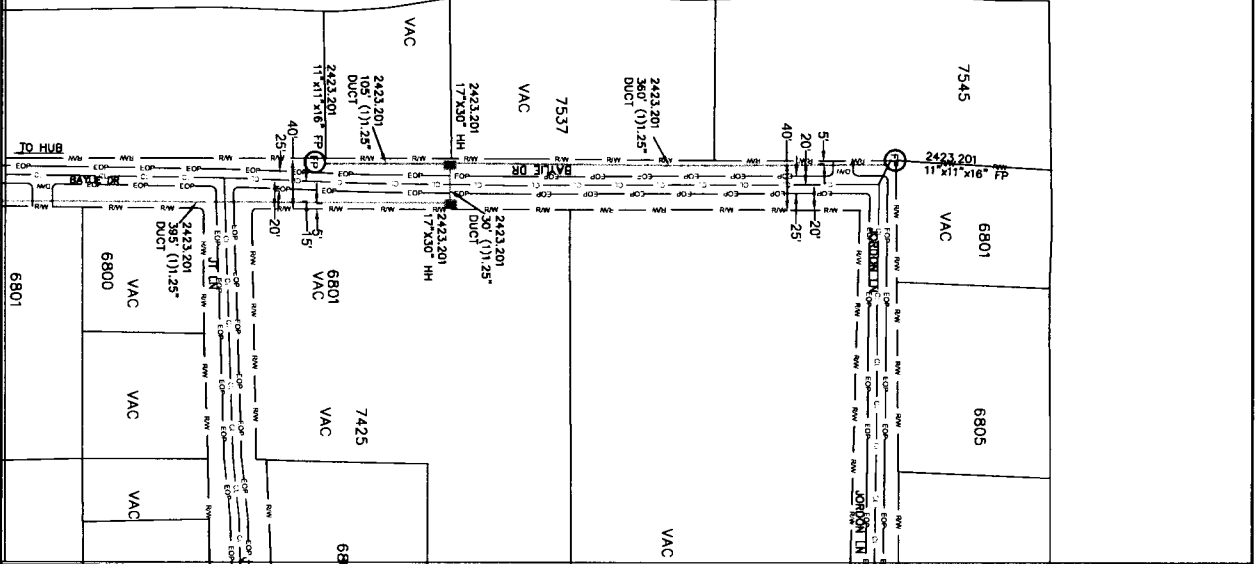
LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
—	EXISTING TELCO POLE
X	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
■	EXISTING DUCT
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
PLACE BURIED FIBER CABLES IN EXISTING DUCT.

NOTE:
1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS
2. WORK SAFELY



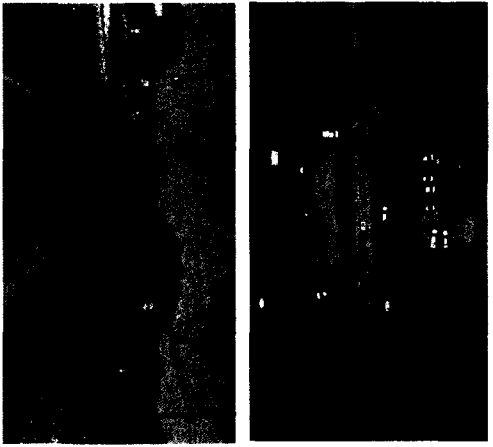
SEE SHEET 1



LAKE BROWNWOOD COMMUNICATIONS	
FDH H4007 PERMIT DRAWING	
PROJECT NUMBER	3307231
C.O. AREA	LAKE BROWNWOOD
EXCH. CODE	70440
DRAWN DATE	ENGR. C/IENT
09/10/2022	N/A
PHONE	CNTY. BROWN
TAX DISTRICT: 10863	FILE
TWNSHP: RING	2 OF 3
SCALE: 1"=100'	SEC.

REVISIONS

NO.	DATE	DESCRIPTION

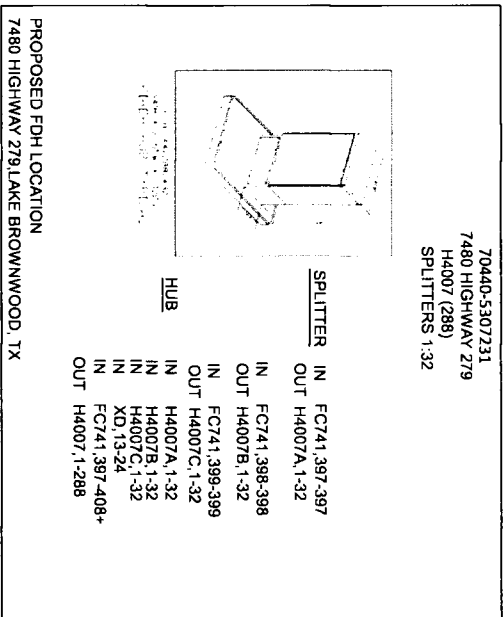
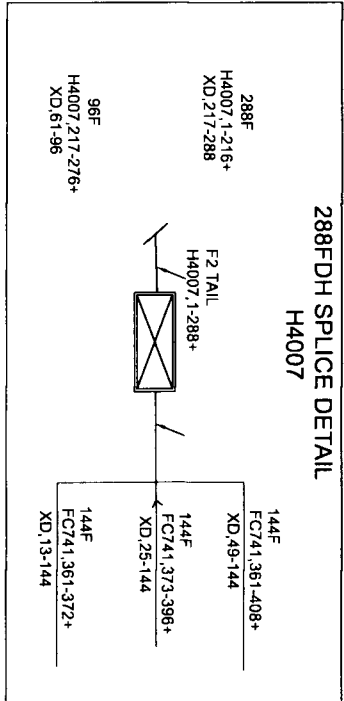


HUB ID HUB H4007
 MATERIAL CODE F3H-1G2888U
 MANUFACTURER COMMSCOPE
 TYPE F3H CABINET 24/288TYR PAD GEN 3
 IN H4007A,1-32
 IN H4007B,1-32
 IN H4007C,1-32
 IN XD,13-24
 IN FC741,397-408+
 OUT H4007,1-288

SPLITTER ID H4007A
 MATERIAL CODE FFS-G2LPP1AJI
 MANUFACTURER COMMSCOPE
 TYPE 1:32 SPLITTER GEN 3
 IN FC741,397-397
 OUT H4007A,1-32

SPLITTER ID H4007B
 MATERIAL CODE FFS-G2LPP1AJI
 MANUFACTURER COMMSCOPE
 TYPE 1:32 SPLITTER GEN 3
 IN FC741,398-398
 OUT H4007B,1-32

SPLITTER ID H4007C
 MATERIAL CODE FFS-G2LPP1AJI
 MANUFACTURER COMMSCOPE
 TYPE 1:32 SPLITTER GEN 3
 IN FC741,399-399
 OUT H4007C,1-32



UNITS ENGINEERED
 LVS(FACTUAL) 248
 LVS(FUTURE)
 MVS(FACTUAL)
 MVS(FUTURE)
 BVS(FACTUAL)
 BVS(FUTURE)

FDH4007

FIBER INFO FOR THE LONGEST FIBER SERVED BY THIS FDH

CABLE #	FEEDER	DISTRIBUTION	TOTAL OF FEEDER & DISTRIBUTION
397	H4007		11
4		H4007	11
LENGTH 43.9896FT	4.9896FT	48.9792FT	

Frontier
COMMUNICATIONS

LAKE BROWNWOOD

FDH H4007 PERMIT DRAWING

PROJECT NUMBER	5307231	C.O. AREA	LAKE BROWNWOOD
DRAWN DATE	09/10/2022	EXCH CODE	70440
ENGINEER	CY/ENT	CNTY	BROWN
PHONE	N/A	FILE	
TAX DISTRICT	10463	DWG	3 OF 3
RNG		SEC	

REVISIONS

NO.	DATE	DESCRIPTION

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 08/24/22 (original submission date)

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried X or aerial water fiber optic cable _X_ telephone electric gas line within the right-of-way and/or across a county road in Brown County, Texas, as follows:

Precinct # Location: Starting point: 6901 COUNTY RD 551 This will involve a bore X or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 07 day of October, 2022

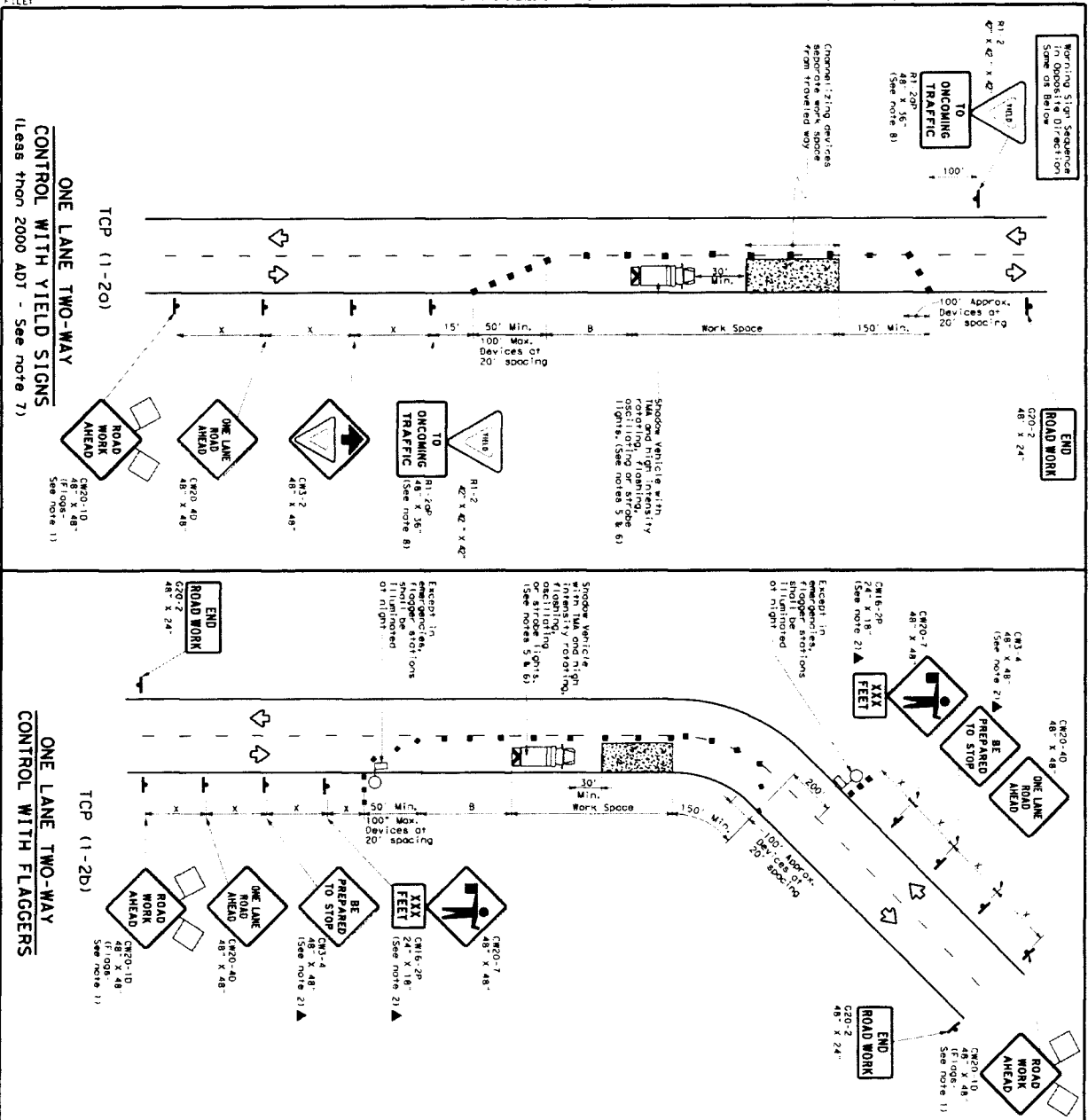
county roads/addresses:

county road 551 ✓
Green River Dr PVT
county road 550 - on the lakeside way
Grand View Dr - PVT

By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS)
Address CHRISTIAN.REESE@CYIENT.COM
Phone 662.400.9330

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		Truck Mounted Attenuator (TMA)
	Trialing Arrow Board		Portable Channelizing Flashing Sign (PCFMS)
	Sign		Traffic Flow
	Flag		Flagger

GENERAL NOTES

1. Signs attached to signs where shown or REQUIRED, except those denoted with the asterisk (*).
2. All traffic control devices illustrated are REQUIRED, except those denoted with the asterisk (*).
3. The C81-4 "BE PREPARED TO STOP" sign may be installed on the down-drift side of the work zone.
4. Sign spacing may be increased or on additional C82-10 "ROAD WORK AHEAD" sign may be installed in advance of the work area without adversely affecting the performance or quantity of the work, if workers are no longer present but road or work conditions preclude the traffic control to remain in place. Type 3 Barricades or other channelizing devices may be used in advance of the work area.
5. Additional stoppage devices may be positioned off the posted speed limit, next to those shown in order to protect wider work zones.
6. Additional stoppage devices may be positioned off the posted speed limit, next to those shown in order to protect wider work zones.

TYPICAL USAGE

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

TCP (1-20)

1. R1-2 "YIELD" sign traffic control may be used on projects with congested, four-lane, one-way roads in urban areas, provided work zones are no longer than one-half city block. In rural areas on roadways with less than 2000 ADT, work zones should be no longer than 400 feet.

2. R1-2 "YIELD" sign with R1-2P "TO ONCOMING TRAFFIC" should be placed on a support structure with a minimum mounting height.

TCP (1-21)

1. Flaggers should use two-way radios or other means of communication to control traffic.

2. Length of work zones should be based on the ability of flaggers to communicate with each other. Flaggers should be positioned at least 100 feet apart. Flaggers should be positioned in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).

3. Channelizing devices on the center-line may be omitted when a flagger is flagging.

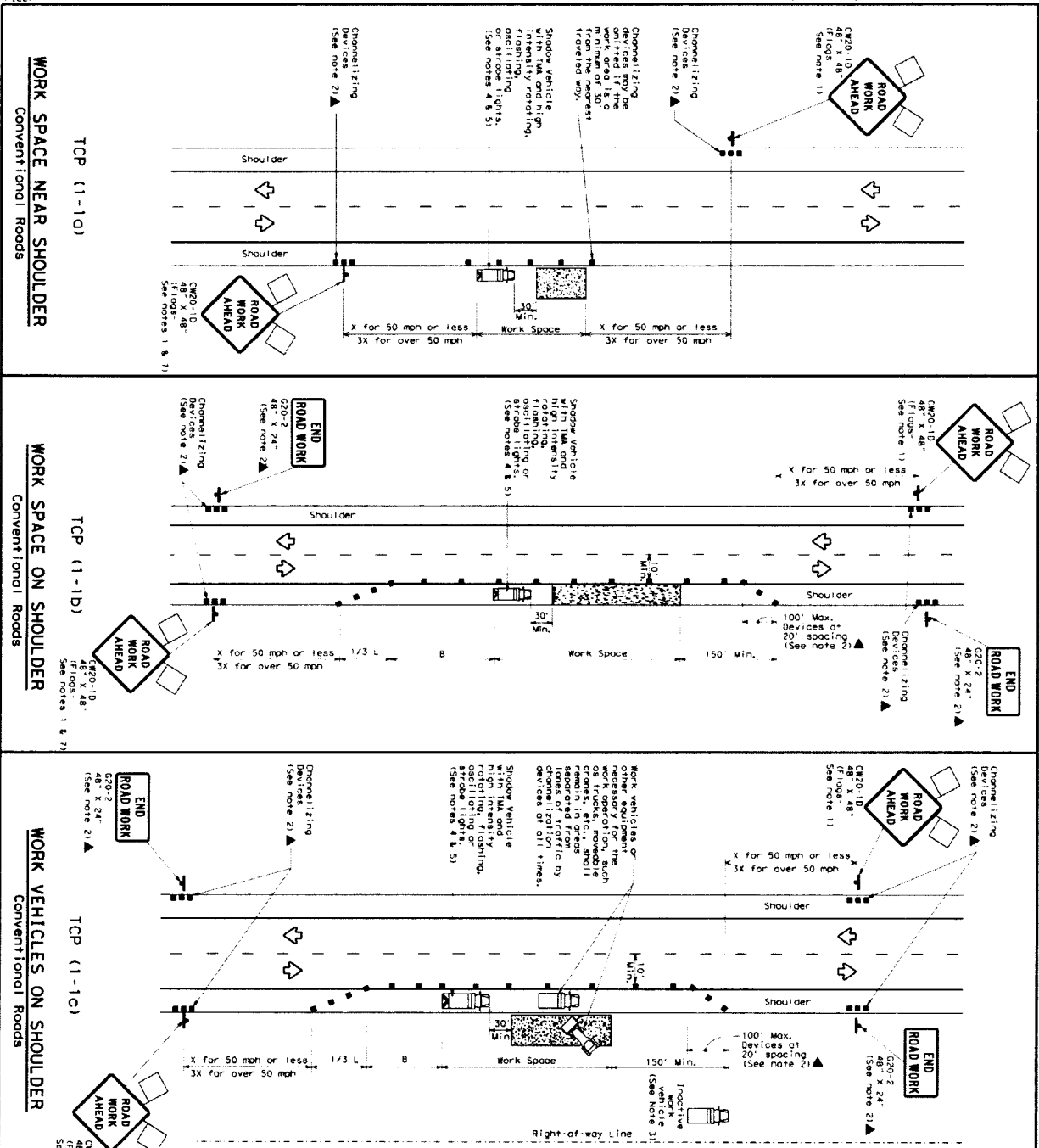
4. Flaggers should operate 27 STOP sign devices to control traffic. Flag should be limited to emergency situations.

Texas Department of Transportation
 Traffic Control Division
TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY
TRAFFIC CONTROL
TCP (1-2) - 18

DATE: 1-17-21
 FILE: 1-17-21

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DATE:
FILE:



LEGEND

□	Sign 3 Barriercodes	■	Channelizing Devices
▭	Heavy Work Vehicle	▭	Truck Mounted Attenuator (TMA)
▭	Flashing Arrow Board	▭	Portable Changeable Message Sign (PCMS)
▭	Sign	▭	Traffic Flow
▭	Flag	▭	Tragger

TYPICAL USAGE

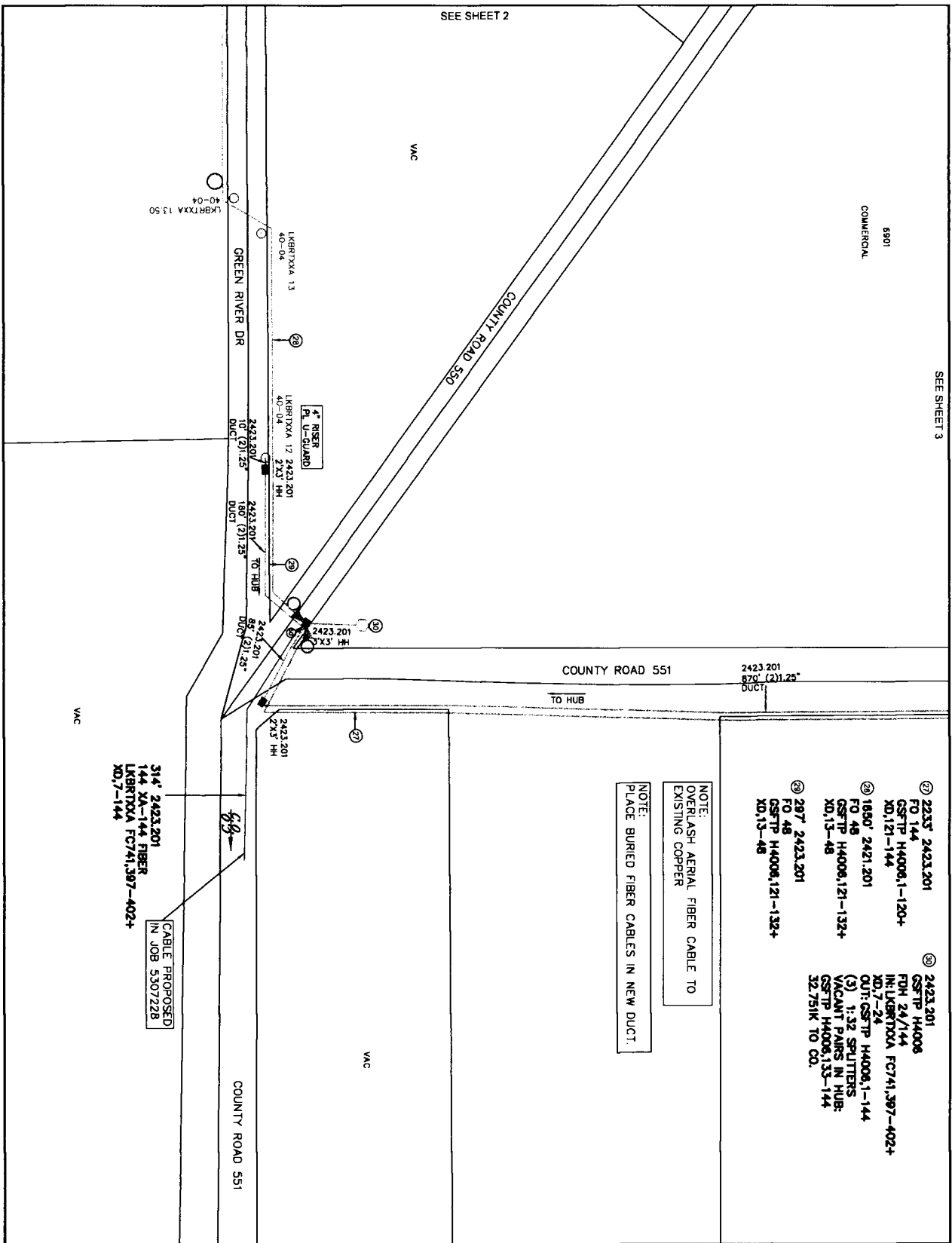
Mobile	Stationary	Intermittent	Long Term Stationary
30	MS	MS	MS
35	L	L	L
40	MS	MS	MS
45	MS	MS	MS
50	MS	MS	MS
55	MS	MS	MS
60	MS	MS	MS
65	MS	MS	MS
70	MS	MS	MS
75	MS	MS	MS

GENERAL NOTES

- Flights attached to signs where shown are required.
- All traffic control devices illustrated are required, except those denoted with the "F" (Flag) symbol may be omitted when stored elsewhere in the plan, or for routine maintenance work, when approved by the District Engineer.
- Flagger 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 any time it can be positioned 30 to 100 feet in advance of the end of crew structure without adversely affecting traffic flow. The shadow vehicle should be positioned in the lane to remain in place. Sign 3 Barriercodes or other channelizing devices may be substituted for the shadow vehicle and TMA.
- Additional shadow vehicles with TMA may be positioned off the paved shoulder to provide additional protection for the work area.
- See (DTS-11) for shoulder work on divided highways, and (DTS-11) for shoulder work on undivided highways.
- CP21-5 "SHOULDER WORK" signs may be used in place of CP20-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roads.

TCP (1-1)-18

Texas Department of Transportation
Traffic Control Plan
CONVENTIONAL ROAD
SHOULDER WORK



6901
COMMERCIAL

SEE SHEET 3

SEE SHEET 2

- ② 2235' 2423.201
FO 144
GSFTP H4008,1-120+
XD,121-144
- ② 1850' 2421.201
FO 48
GSFTP H4008,121-132+
XD,13-48
- ② 287' 2423.201
FO 48
GSFTP H4008,121-132+
XD,13-48
- ③ 2423.201
GSFTP H4008
IN: LKBRTXXA FC741,397-402+
XD,7-24
OUT: GSFTP H4008,1-144
(3) 1,32 SPLITTERS
VACANT PARS IN HUB
GSFTP H4008,133-144
32/75HK TO CO.

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.


314' 2423.201
144 YA-144 FIBER
LKBRTXXA FC741,397-402+
XD,7-144

CABLE PROPOSED
IN JOB 5307228

UNITS / ACCT CODES

FP004	1
FP030	3
FS26	98
FS27	40
FP220	1850
FP43F	2530
FP58B	2
FP98D	1
FP98B	1145
FS14A	1
FS50	6
FS14A	1
FS92	132

REVISIONS



Frontier
COMMUNICATIONS

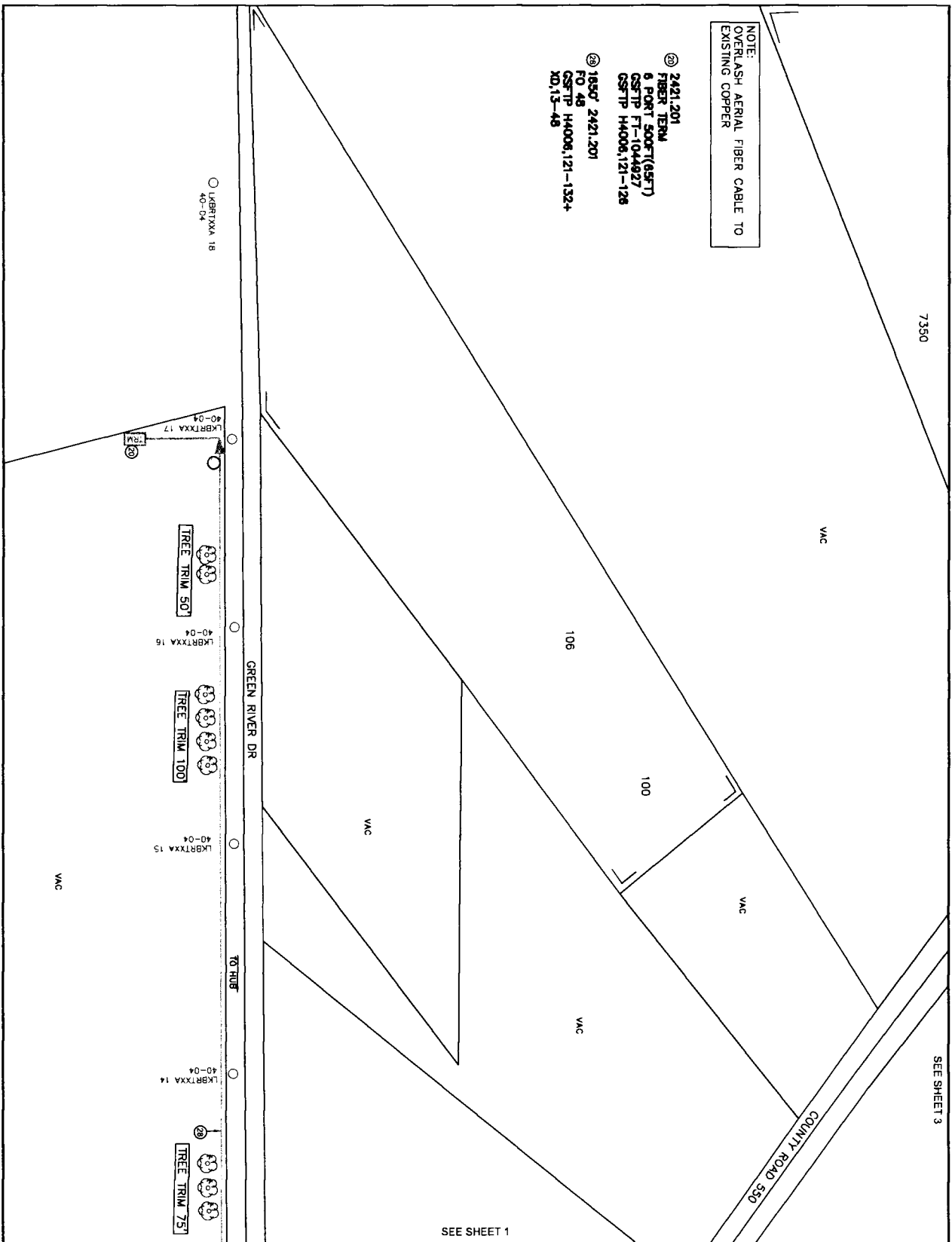
LAKE BROWNWOOD
FDH HUB H4006

PROJECT	5307232	C.O. AREA	LAKE BROWNWOOD
NUMBER	5307232	EXCH. CODE	70440
DRAWN DATE	07/01/2022	ENG'R	CVIENT
PHONE	N/A	CNTY.	BROWN
FILE	N/A	TAX DISTRICT	7083
SCALE	1"=100'	DWG	1 OF 11
TWNSHIP		SEC.	

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

② 2421,201
FIBER TERM
8 PORT 500FT(65F7)
CS7P F1-(1044827)
CS7P H4006,121-128

② 1850' 2421,201
FO 48
CS7P H4006,121-132+
XD,13-48



UNITS / ACCT CODES	
FP015	1
FP033A	65
FP47B	225
FS14A	1
FS50	6

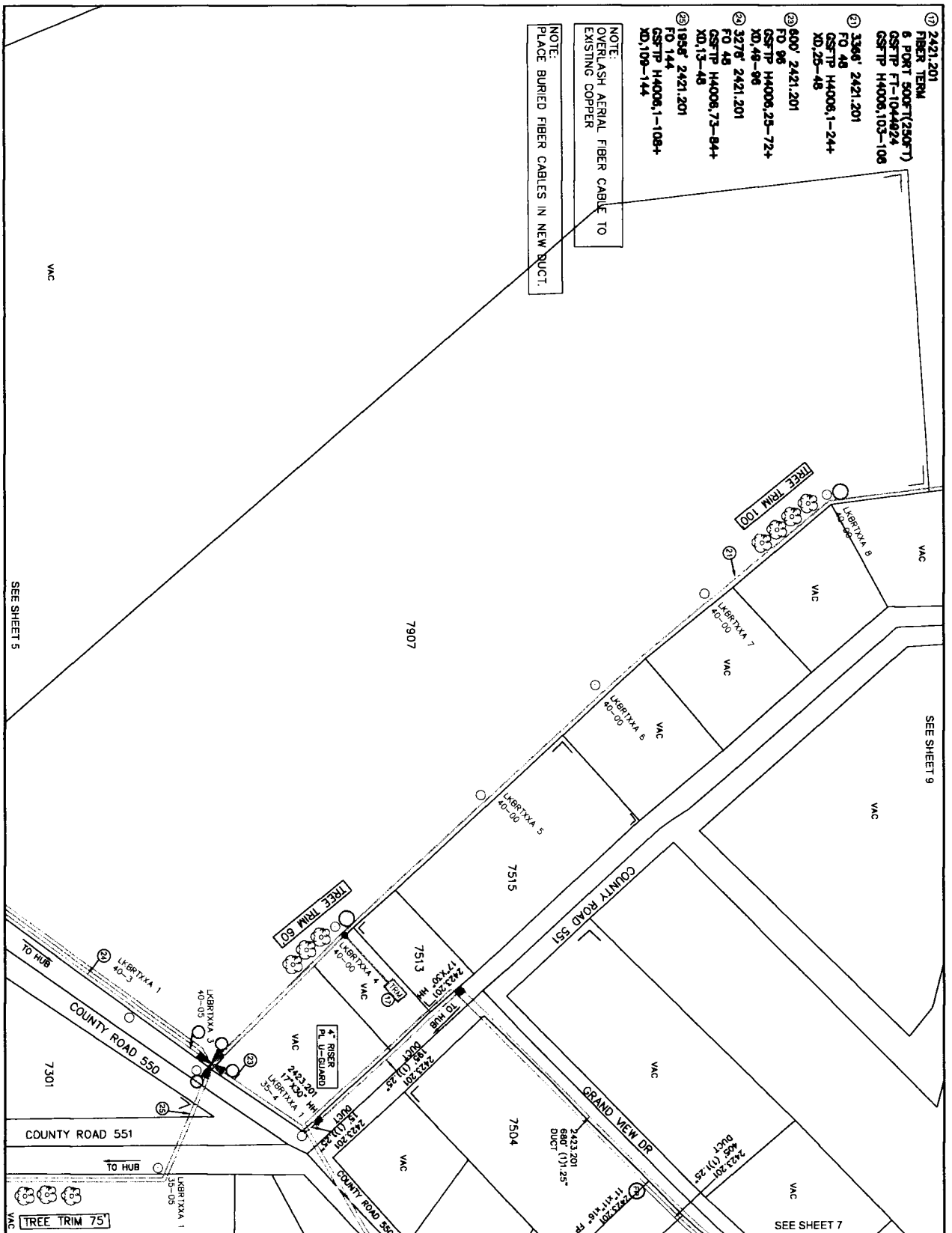
REVISIONS	

Frontier COMMUNICATIONS LAKE BROWNWOOD EDH HUB H4006	
PROJECT NUMBER: 5307232	C.O. AREA: LAKE BROWNWOOD
DRAWN DATE: 07/01/2022	EXCH. CODE: 70440
ENGINEER: N/A	CITY: BROWN
PHONE: N/A	FILE: N/A
TAX DISTRICT: T0983	DWG: 2 OF 11
SCALE: 1"=100'	TWNSHIP: RING

- ① 2421.201
FIBER TRIM
6 PORT 500FT(250FT)
GSTP FT-1044924
GSTP H4006.103-106
- ② 3366' 2421.201
FD 48
GSTP H4006.1-244
XD.25-48
- ③ 800' 2421.201
FD 96
GSTP H4006.23-72+
XD.48-96
- ④ 3278' 2421.201
FD 48
GSTP H4006.73-84+
XD.13-48
- ⑤ 1856' 2421.201
FD 144
GSTP H4006.1-108+
XD.108-144

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

NOTE:
PLACE BURIED FIBER CABLES IN NEW BUUCT.



UNITS / ACCT CODES

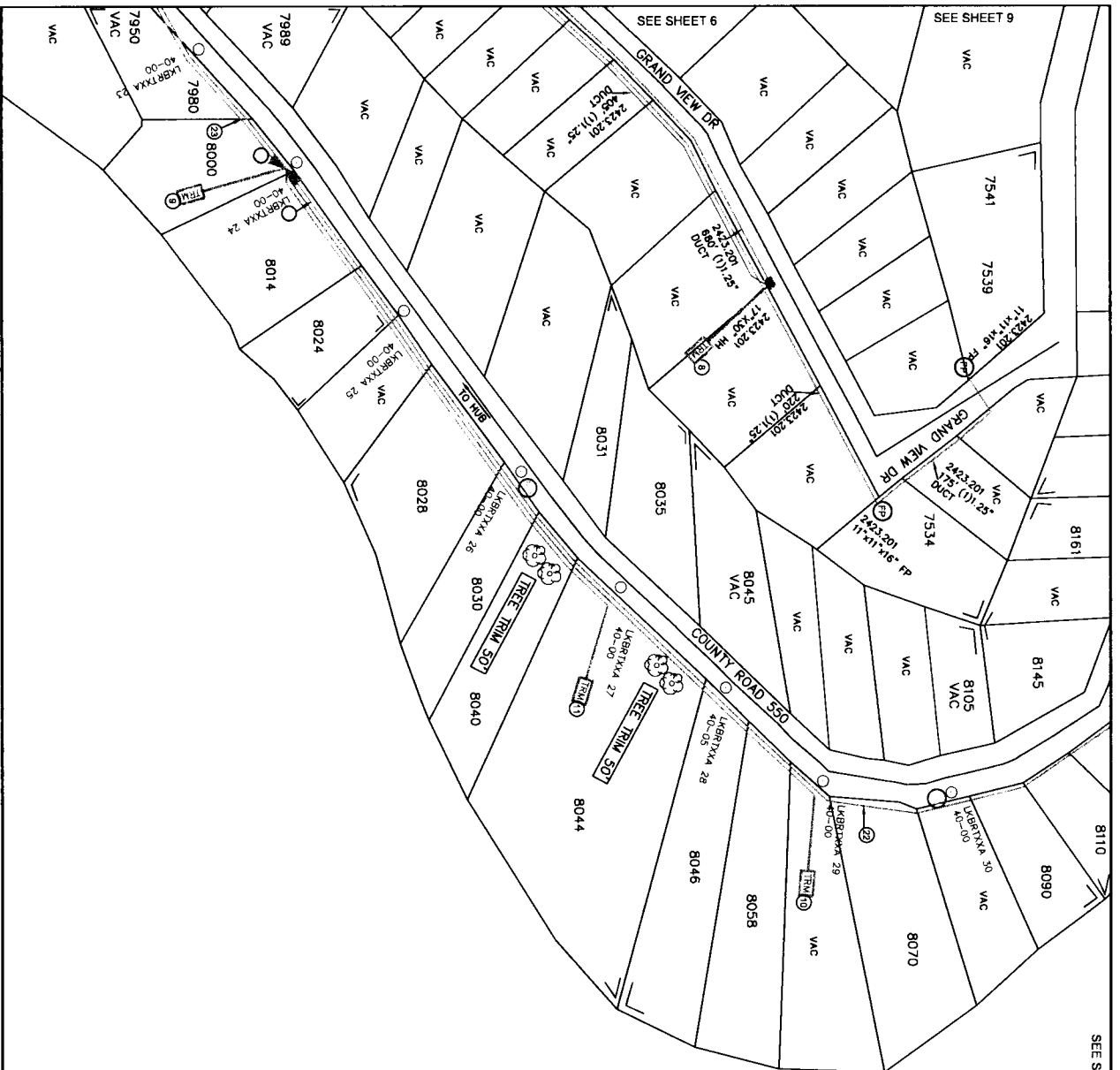
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FP033A	1405
FP034A	1145
FP034B	250
FP22D	3878
FP23D	3386
FP47B	235
FP58A	2
FP59A	210
F514A	1
F552	108

REVISIONS

Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH HUB H4006

PROJECT NUMBER	5307232	C.O. AREA	LAKE BROWNWOOD
DRAWN DATE	07/01/2022	EXCH CODE	70440
ENGINEER	N/A	CNTY.	BROWN
PHONE	N/A	FILE	
TAX DISTRICT	10383	DWG	6 OF 11
RNG		SEC	
TWNSHP			



SEE SHEET 8

- ① 2421.201
FIBER TERM
4 PORT 1500FT(1269FT)
GSFTP FT-1044915
GSFTP H4006,49-52
- ② 2421.201
FIBER TERM
6 PORT 300FT(60FT)
GSFTP FT-1044916
GSFTP H4006,53-58
- ③ 2421.201
FIBER TERM
6 PORT 1000FT(780FT)
GSFTP FT-1044917
GSFTP H4006,61-66
- ④ 2421.201
FIBER TERM
6 PORT 1000FT(945FT)
GSFTP FT-1044918
GSFTP H4006,67-72
- ⑤ 1998' 2421.201
FO 49
GSFTP H4006,25-49+
- ⑥ 900' 2421.201
FO 68
GSFTP H4006,25-72+
- ⑦ 48-98

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.

UNITS / ACCT CODES

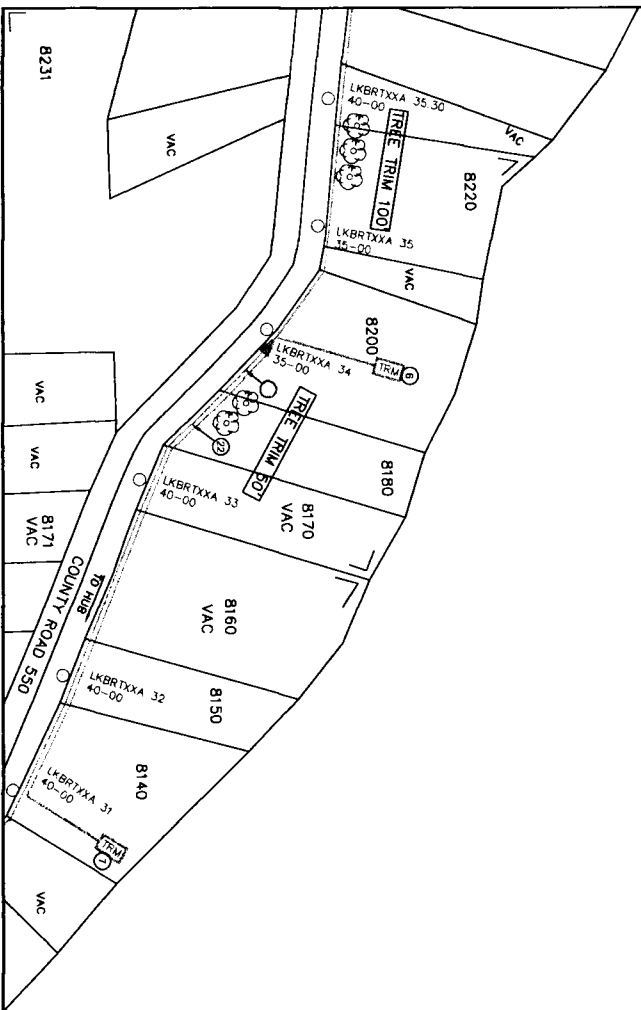
FR015	3
FR017	1958
FR022D	960
FR029	325
FR033A	1395
FR034A	100
FR47B	2
FR58A	1
FR58B	670
FR59A	1
FR59B	405
FR14A	1
FSS1	46

REVISIONS

Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH HUB H4006

PROJECT NUMBER: 5307232	C.O. AREA: LAKE BROWNWOOD
DRAWN DATE: 07/01/2022	EXCH. CODE: 70440
ENGINEER: N/A	CNTY.: BROWN
PHONE: N/A	FILE:
TAX DISTRICT: T0383	DWG: 7 OF 11
RNG:	SEC:



SEE SHEET 7


NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

- ① 2421.201
FIBER TERM
6 PORT 500FT(69FT)
GSFTP FT-1044813
GSFTP H4006.31-36
- ② 2421.201
FIBER TERM
6 PORT 1000FT(470FT)
GSFTP FT-1044814
GSFTP H4006.37-42
- ③ 1936 2421.201
FO 48
GSFTP H4006.25-48+
X0.25-48

UNITS / ACCT CODES

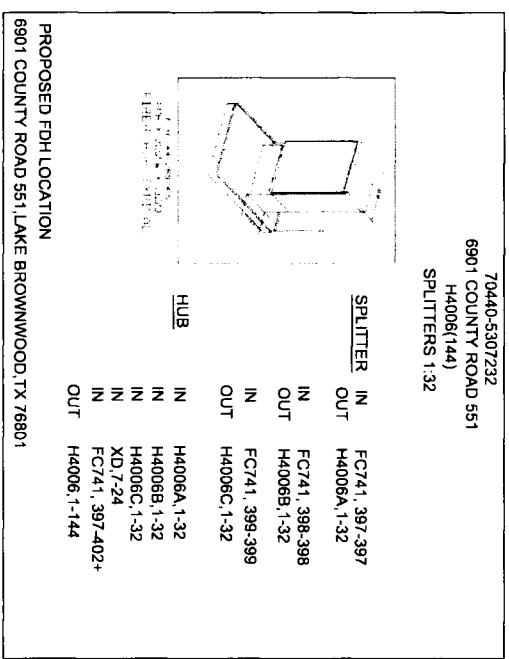
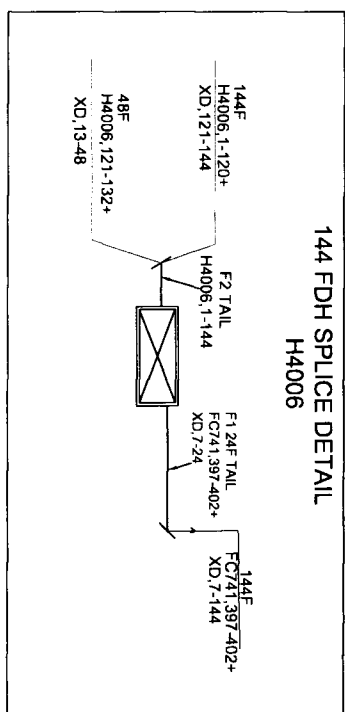
FP015	2
FP033A	830
FP034A	535
FP47B	150
FS14A	1
FSS1	18

REVISIONS


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 EDH HUB H4006

PROJECT: 5307232	C/O AREA: LAKE BROWNWOOD
NUMBER: 5307232	EXCH CODE: 70440
DRAWN DATE/ENGR: 07/10/2022 / N/A	CLIENT: BROWN
SCALE: 1"=100'	TAX DISTRICT: 10363
TWNSHIP: RING	SEC: 8 OF 11

HUB ID	HUB4006
MATERIAL CODE	F3H-1G144UE
MANUFACTURER	COMMSCOPE
TYPE	FDH CABINET 24/144TYP PAD GEN 3
IN	H4006A,1-32
IN	H4006B,1-32
IN	H4006C,1-32
IN	XD 7-24
IN	FC741,397-402+
OUT	H4006,1-144
SPLITTER ID	H4006A
MATERIAL CODE	FPS-G2LP1AUJ
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,397-397
OUT	H4006A,1-32
SPLITTER ID	H4006B
MATERIAL CODE	FPS-G2LP1AUJ
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,398-398
OUT	H4006B,1-32
SPLITTER ID	H4006C
MATERIAL CODE	FPS-G2LP1AUJ
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,399-399
OUT	H4006C,1-32



FDH H4006	UNITS ENGINEERED	92
	LUS(FUTURE)	
	MUS(ACTUAL)	
	MUS(FUTURE)	
	BUS(ACTUAL)	
	BUS(FUTURE)	

FIBER INFO FOR THE LONGEST FIBER SERVED BY THIS FDH			
CABLE #	FEEDER	DISTRIBUTION	TOTAL OF FEEDER & DISTRIBUTION
397	FC741	H4006	10
8			39 736KFT
LEN(TH)	32 751KFT	8 985KFT	39 736KFT

REVISIONS

LAKE BROWNWOOD
FDH HUB H4006

Frontier COMMUNICATIONS

PROJECT: 5307232
 NUMBER: 5307232
 DRAWN DATE: 07/01/2022
 SCALE: 1=100
 TMSNSHP: RING

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 ENGR: CYIENT
 PHONE: N/A
 FILE: BROWN
 TAX DISTRICT: T0363
 DWG: 10 OF 11
 SEC:

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 09/07/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried or aerial water fiber optic cable telephone electric gas line within the right-of-way and/or across a county road in Brown County, Texas, as follows:

Precinct # _____ Location: Starting point: OPP TO 6741 Highway 279 This will involve a bore or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 07 day of October, 20 22

county roads/addresses:

Gustin RD
Chaparrel Dr
country oaks Ln
Vickies Park Rd
county road 467
county road 499
county road 445
county road 470
county road 429

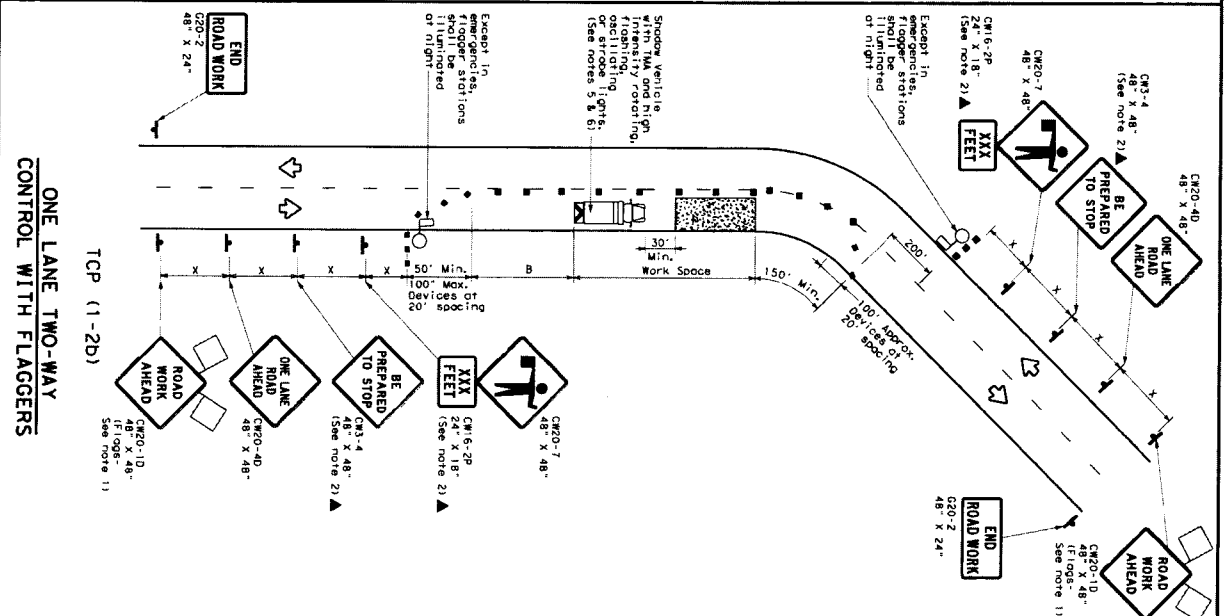
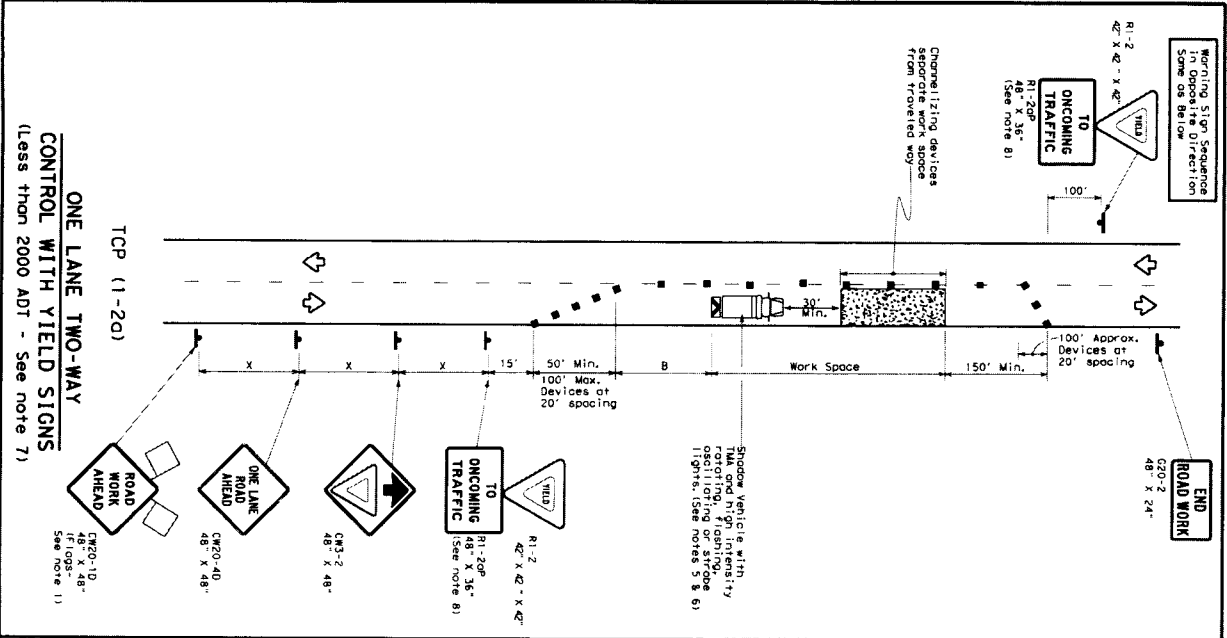
By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS)

Address CHRISTIAN.REESE@CYIENT.COM

Phone 662.400.9330

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the publisher for any use of this standard for purposes other than those intended. The publisher 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	⊗	Truck Mounted Attenuator (TMA)
▣	Traffic Arrow Board	⊕	Portable Congregable Flashing Arrow Board
⊕	Message Sign (CMS)	⊕	Traffic Flow
⊕	Flagger	⊕	Flagger

GENERAL NOTES

- All traffic control devices illustrated are REQUIRED, except those denoted with the maintenance work, when approved by the engineer.
- The C61-4 "BE PREPARED TO STOP" sign may be installed after the C20-40 "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
- STOP spacing may be increased or on additional C20-1D "ROAD WORK AHEAD" sign may be added to the end of the work zone.
- A shadow vehicle with flashing lights should be used to protect the rear of the work zone.
- In advance of the area of crew exposure without adequate offsetting 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 should be used to protect the rear of the work zone.
- Additional shadow vehicles with flashing lights may be positioned off the paved shoulder, next to those shown in order to protect wider work spaces.

TCP (1-20)

7. R1-2 "YIELD" sign traffic control may be used on roadways with shoulder that have adequate sight distances, for projects in urban areas with a maximum speed limit of less than one half city block. In rural areas on roadways with less than 2000 ADT, work zones should be no longer than 400 feet.

8. If a "YIELD" sign with R1-2 "ONCOMING TRAFFIC" please shall be placed on a support structure with minimum height of 9 ft.

TCP (1-2B)

9. Flaggers should use two-way radios or other methods of communication to control traffic. Flaggers should be positioned on the ability of flaggers to communicate with each other. If a flagger is unable to communicate with the other flagger, the flagger should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table below).

10. Channelizing devices on the center-line may be omitted when a pilot car is leading.

11. Flaggers should be trained in the use of stop/slow paddles to control traffic. Flags should be limited to emergency situations.

TYPICAL USAGE

MOBILE	SHORT STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY TRAFFIC CONTROL
TCP (1-2) - 18

Texas Department of Transportation
Traffic Control Plan
Quantity
Standard

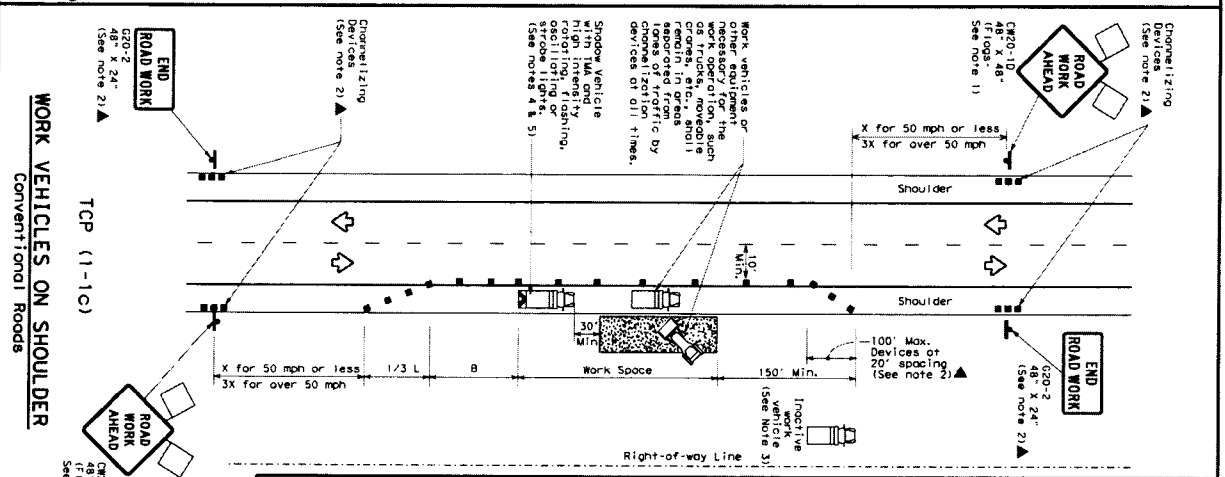
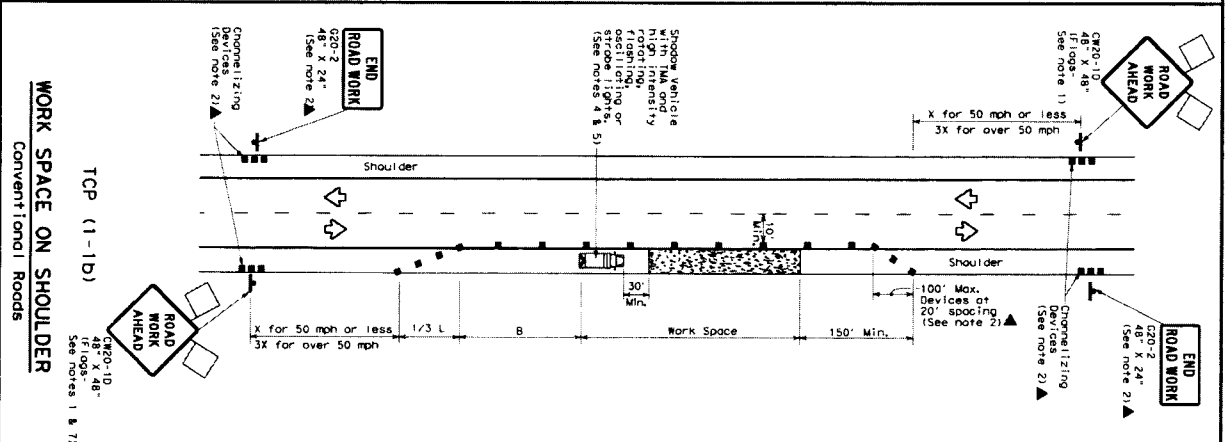
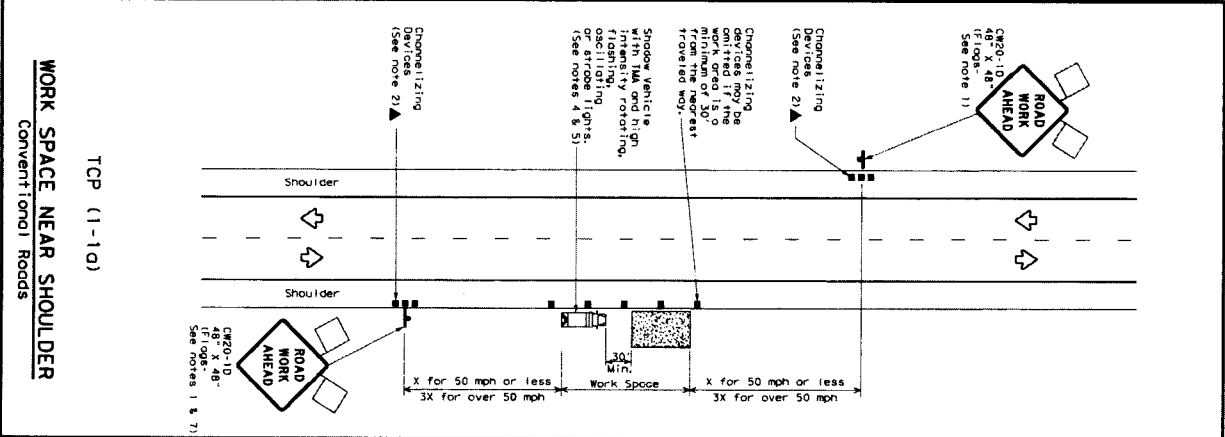
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FILE	10/12/2010	PROJECT	185
DESIGNER	230	CHECKED	230
APPROVED	230	DATE	10/12/2010
SCALE	AS SHOWN	DATE	10/12/2010

Shielded	Distance	Spacing of	Minimum	Spacing of	Minimum	Spacing of	Minimum
Length	of	of	of	of	of	of	of
ft	ft	ft	ft	ft	ft	ft	ft
30	150	165	180	30	60	120	90
35	175	195	210	35	70	140	105
40	200	225	240	40	80	160	120
45	225	255	270	45	90	180	135
50	250	285	300	50	100	200	150
55	275	315	330	55	110	220	165
60	300	345	360	60	120	240	180
65	325	375	390	65	130	260	195
70	350	405	420	70	140	280	210
75	375	435	450	75	150	300	225

* Conventional Roadway Only
** Tower lengths have been rounded off.
L=Length of Tower (ft); W=Width of Offset (ft); S=Spaced Spacing (ft)

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DATE:
FILE:



LEGEND

	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Road Shoulder
	Trailing Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed Formula	Minimum Device Lengths	Minimum Spacing	Minimum Sign Spacing	Minimum Longitudinal Buffer Space
1-50	150'	150'	120'	90'
35-55	205'	225'	245'	120'
40-60	265'	295'	320'	155'
45-65	450'	495'	540'	240'
50-70	500'	550'	600'	240'
55-75	550'	605'	660'	240'
60-80	600'	660'	720'	240'
65-85	650'	715'	780'	240'
70-90	700'	770'	840'	240'
75-95	750'	825'	900'	240'

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

TYPICAL USAGE

MOBILE	SHORT DURATION	INTERMEDIATE DURATION	LONG TERM STATIONARY

- #### GENERAL NOTES
- Flags attached to signs where shown are REQUIRED.
 - All traffic control devices illustrated are REQUIRED, except those denoted in the reference symbol may be omitted when stored elsewhere.
 - Engine, fan, or for routine maintenance work, when depicted near the work.
 - Inoperative work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
 - Shadow vehicles with high intensity flashing lights should be positioned to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the shadow vehicles and TMs.
 - All work vehicles should be positioned at the end of the paved surface, next to those shown in order to protect other work spaces.
 - See TCRS-11 for shoulder work on divided highways, expressways and freeways.
 - "ROAD WORK AHEAD" signs may be used in place of C20-10 roadways.
 - "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

Texas Department of Transportation

Traffic Control Plan

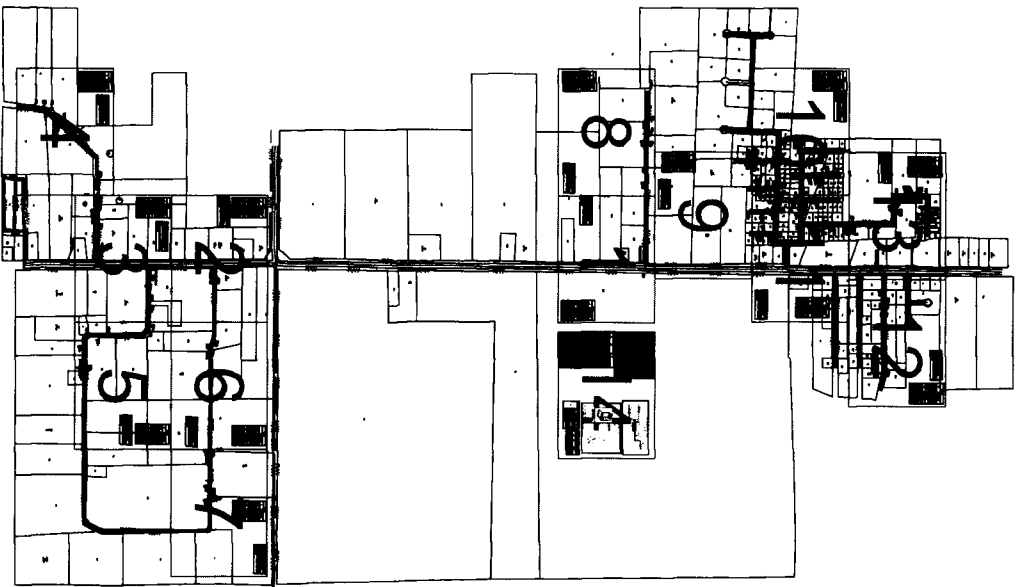
CONVENTIONAL ROAD SHOULDER WORK

TCP (1-1)-18

DATE: 12-18-18
FILE: 18-118

151

H4005



REVISIONS

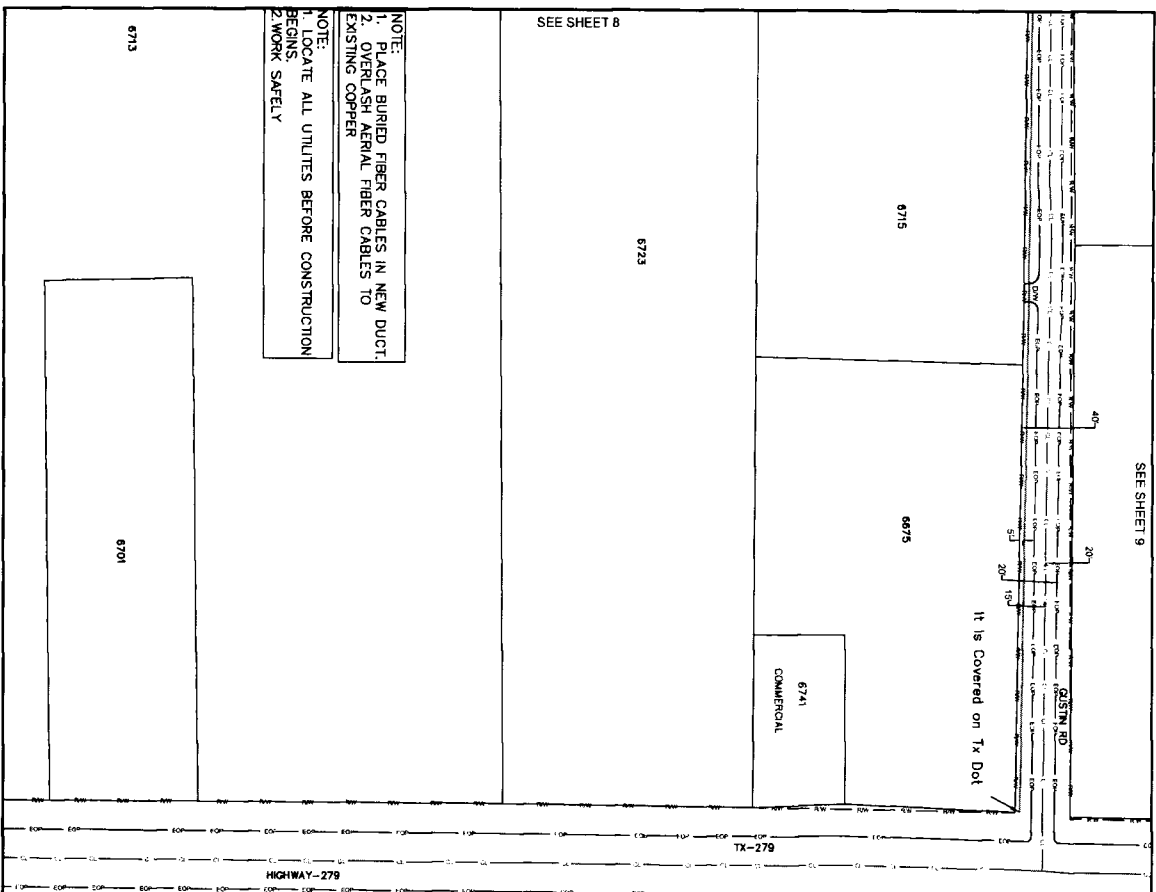
NO.	DATE	BY	DESCRIPTION



LAKE BROWNWOOD

FDH H4005 CITY PERMIT DRAWING

PROJECT: 5307233
 DRAWN: DATE: 07/29/2022
 ENGINEER: NAME: FILE: OF:
 CLIENT: LAKE BROWNWOOD
 TAX DISTRICT: 10983
 DWG. SEC.:
 TWSHP: RNS:



NOTE:
1. PLACE BURIED FIBER CABLES IN NEW DUCT.
2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
2. WORK SAFELY

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER POINT
⊖	NEW PROPOSED DUCT
---	NEW SHADOW DUCT
---	EDGE OF PAVEMENT
---	RIGHT-OF-WAY
---	SEWER-LINE
○	EXISTING TIELO
○	POLE
✓	EXISTING POWER
⊗	POLE EXISTING JOINT
⊗	POLE EXISTING POWER
⊗	EXISTING MANHOLE
⊗	EXISTING DUCT
⊗	EXISTING HANDHOLE
⊗	EXISTING HUB
⊗	NEW PROPOSED HUB

REVISIONS	

Frontier
COMMUNICATIONS

LAKE BROWNWOOD

FDH HA005 CITY PERMIT DRAWING

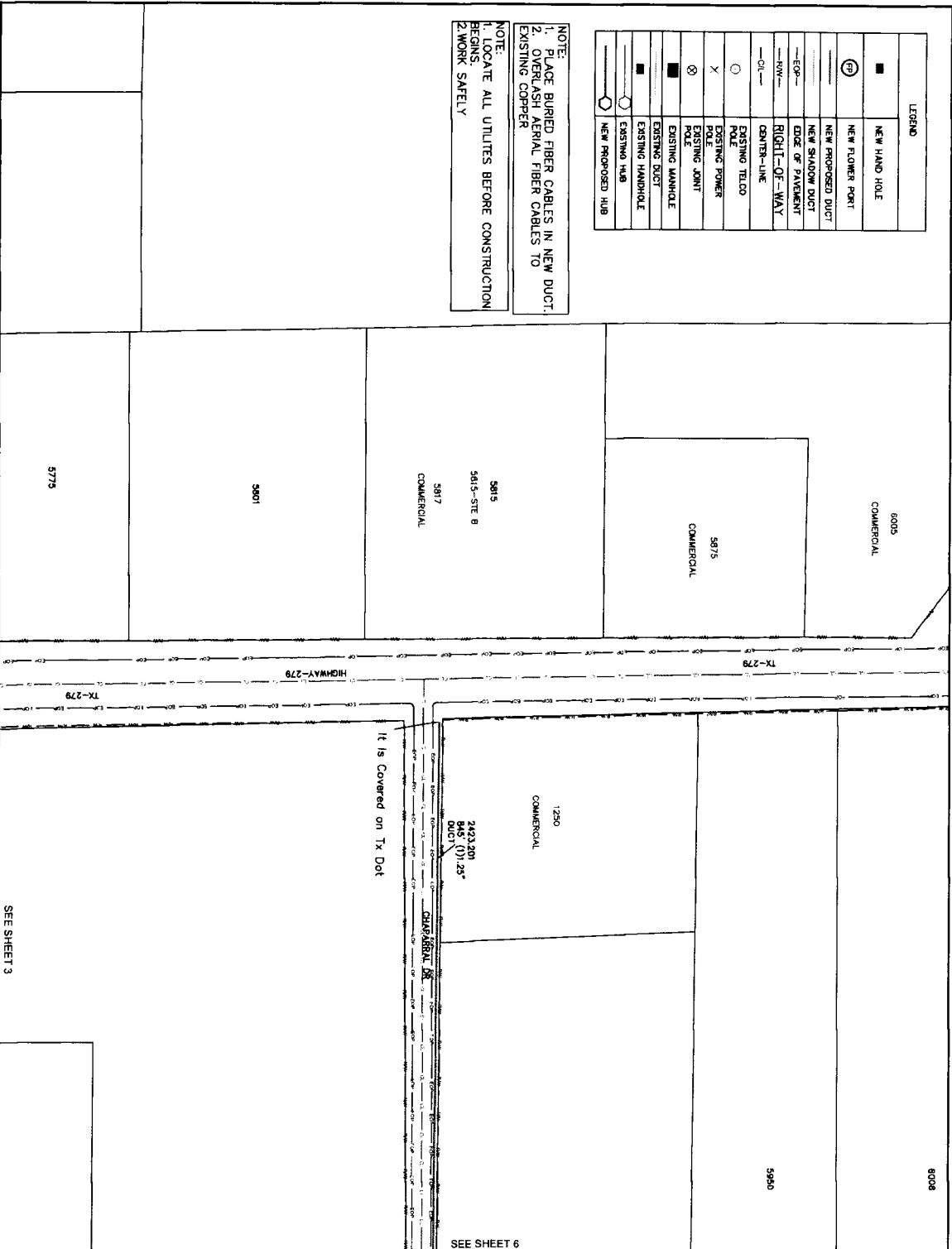
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 DRAWN/DATE ENGR: CLIENT [EXCH. CODE] T0440
 07/20/2022 PHONE: N/A FILE: BROWN

SCALE: 1"=100' TNS: 10883 DWG: 1 OF 14
 TNS: 10883 SEC: 1

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
□	NEW PROPOSED DUCT
□	NEW SHADOW DUCT
—EOP—	EDGE OF PAVEMENT
—R/W—	RIGHT-OF-WAY
—CL—	CENTER-LINE
○	EXISTING TELLER
X	EXISTING POWER
⊗	EXISTING MOUNT
■	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY



SEE SHEET 6

REVISIONS	

Frontier
COMMUNICATIONS

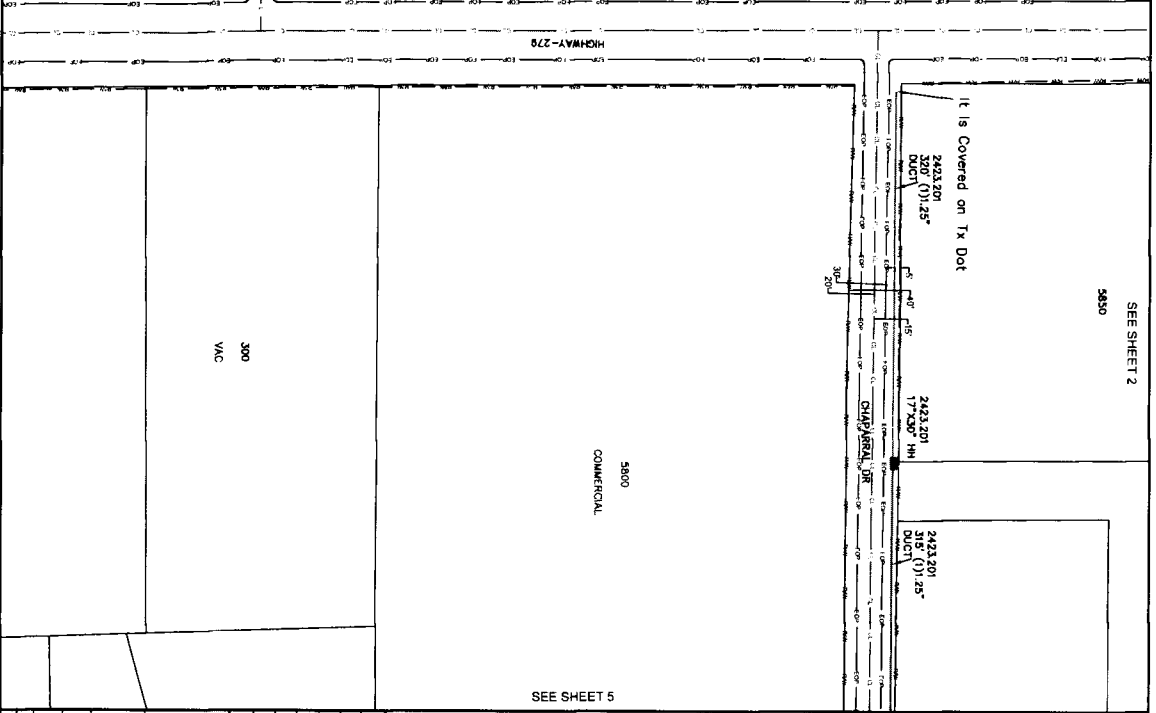
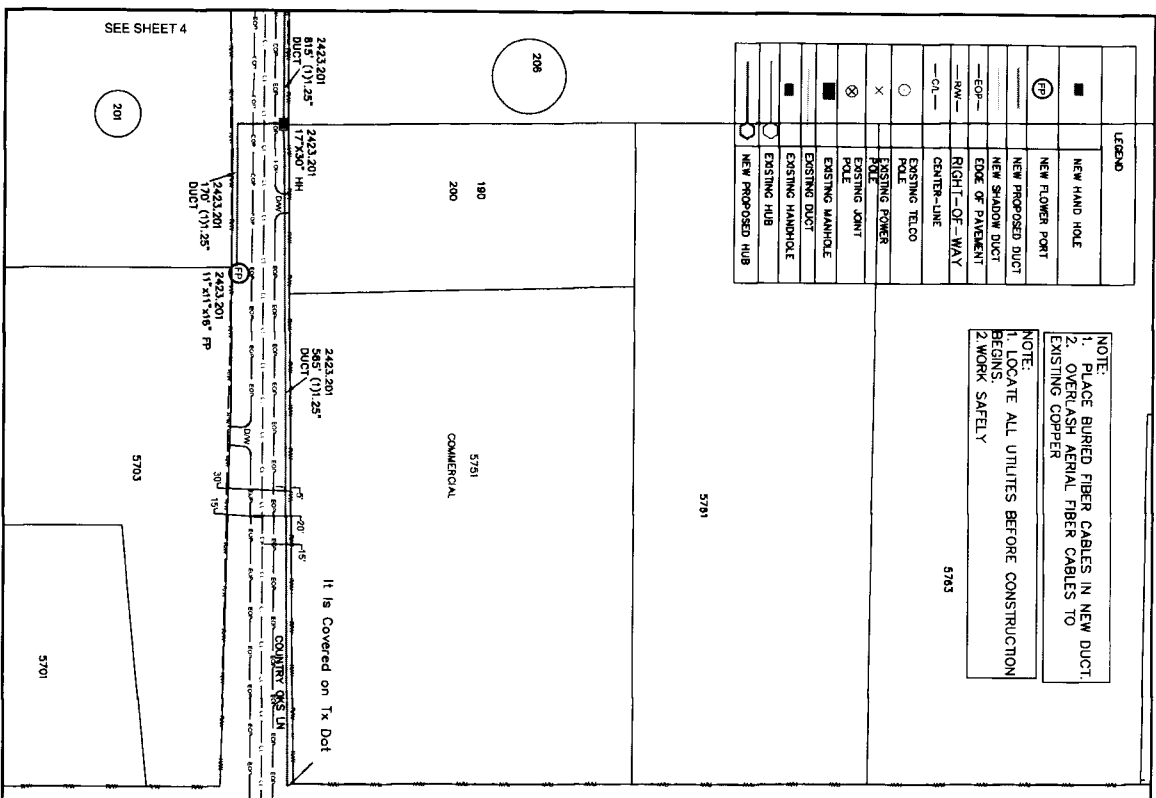
LAKE BROWNWOOD
 FDH H4005 CITY PERMIT DRAWING

PROJECT NO.	5307233	CO. AREA	LAKE BROWNWOOD
DRAWN/DATE ENGR.		EXCH. CODE	7040
07/20/2022		PHONE	N/A
SCALE	1"=100'	TAX DISTRICT	1093
TOWNSHIP	R105	SEC.	2 OF 14

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—HW—	RIGHT-OF-WAY
—CL—	CENTER-LINE
○	EXISTING TIELO POLE
X	EXISTING POWER DUCT
⊗	EXISTING JOINT POLE
⊠	EXISTING MARIHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURED FIBER CABLES IN NEW DUCT
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY



SEE SHEET 5

REVISIONS

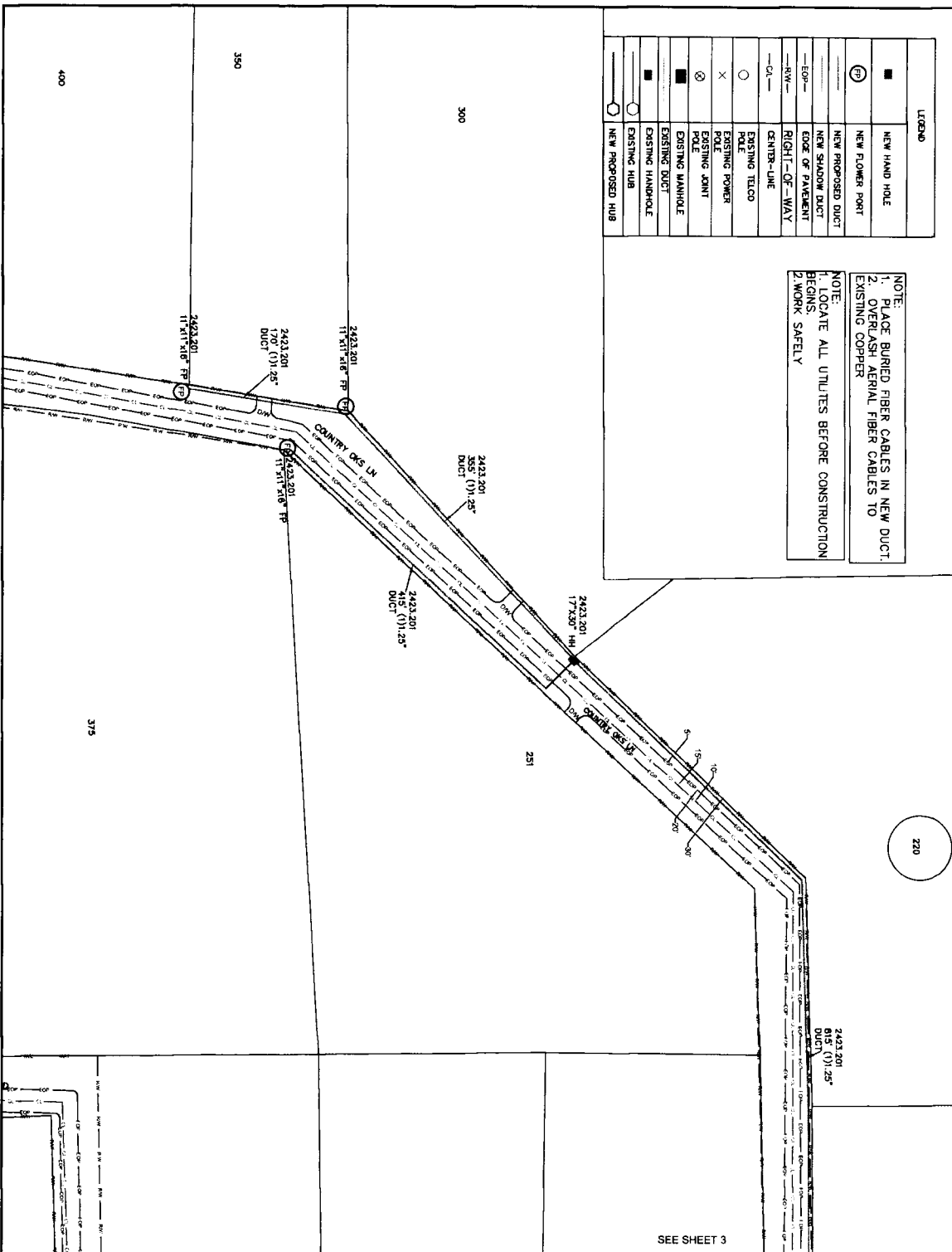
NO.	DATE	DESCRIPTION

Frontier COMMUNICATIONS
 LAKE BROWNWOOD
 FDH H4005 CITY PERMIT DRAWING
 PROJECT: 5307233 C.O. AREA: LAKE BROWNWOOD
 DRAWN DATE: ENGR: CLIENT: DATE: 07/20/2022 PHONE: N/A
 SCALE: 1"=100' TAX DISTRICT: 10833 DWG: 3 OF 14
 TNSWSP RVS SEC

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
○	NEW PROPOSED DUCT
---	NEW SHADOW DUCT
---	EDGE OF PAVEMENT
---	RIGHT-OF-WAY
---	CENTER-LINE
○	EXISTING TELECO
○	EXISTING POWER
X	EXISTING JOINT
⊗	POLE
⊙	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

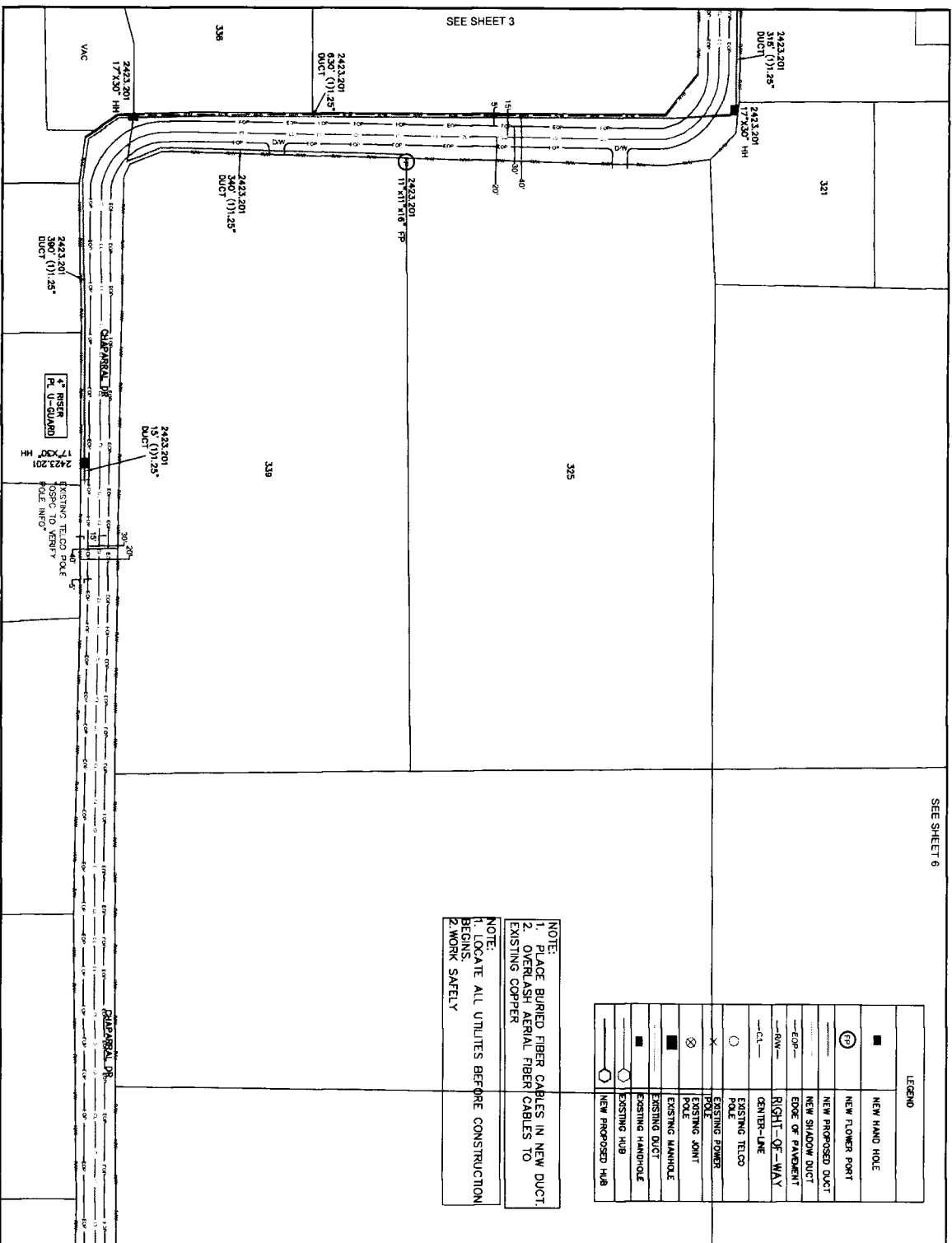
NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY



220

SEE SHEET 3

<p>Frontier COMMUNICATIONS</p>	
<p>LAKE BROWNWOOD FDH H4006 CITY PERMIT DRAWING</p>	
PROJECT NUMBER	5307233
DATE	07/20/2022
SCALE	1"=100'
TOWNSHIP	10S
RANGE	4
SECTION	14
PROJECT	FDH H4006 CITY PERMIT DRAWING
ENGINEER	DAVID BROWNWOOD
DATE	07/20/2022
SCALE	1"=100'
TOWNSHIP	10S
RANGE	4
SECTION	14



NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	EXISTING JUNK POLE
■	EXISTING MANHOLE
—	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

SEE SHEET 6

REVISIONS

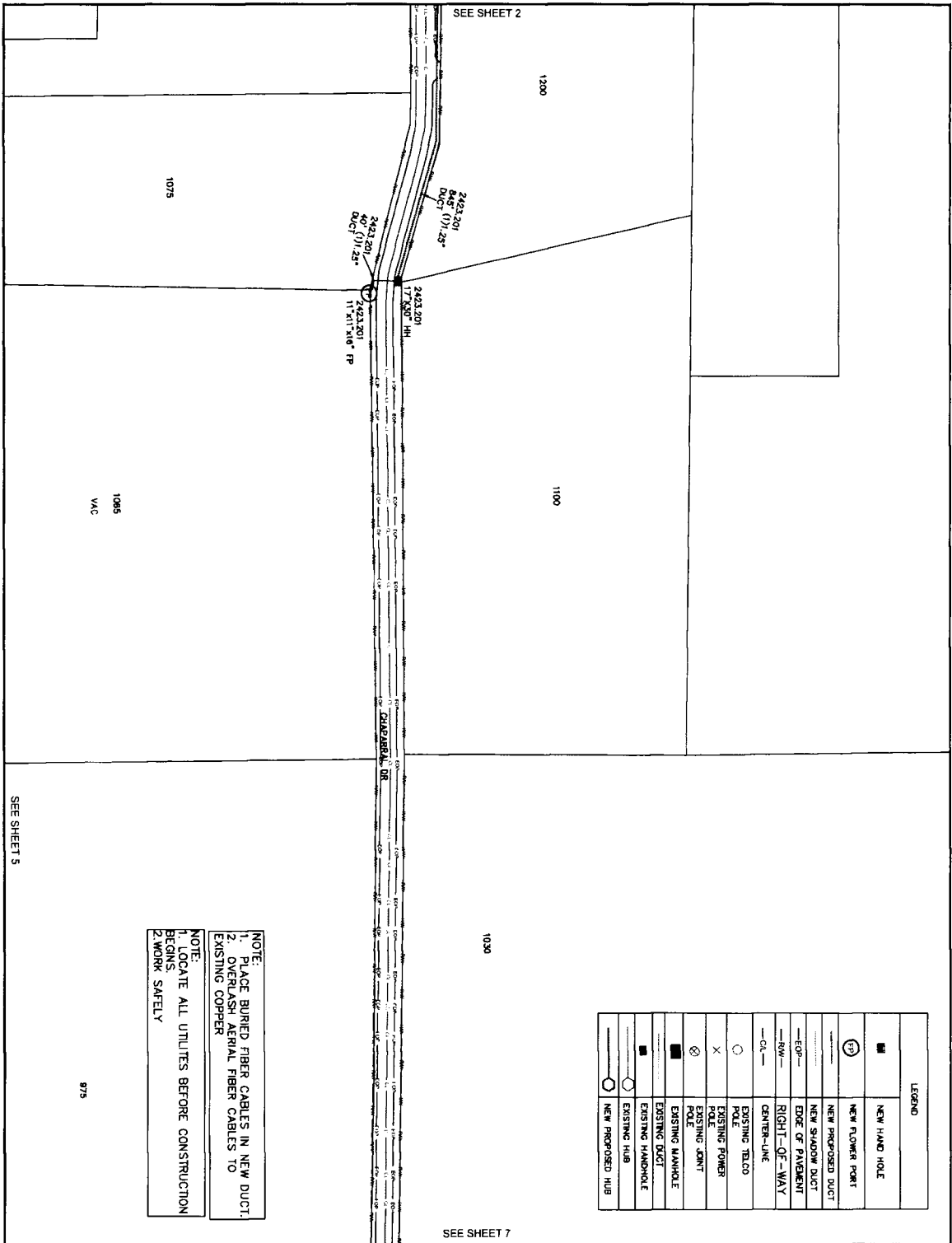
NO.	DATE	DESCRIPTION



LAKE BROWNWOOD

FDH HA005 CITY PERMIT DRAWING

PROJECT: 5307233
 DRAWN: DATE: ENGR: C/VENT
 07/20/2022 PHONE: N/A
 SCALE: 1/8" = 1'-0" TAX DISTRICT: 10883 DWG: 5 OF 14
 TOWN: SHIP RING SEC:



LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER POINT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PARADEMNT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TIE/CO
X	EXISTING POWER
⊗	EXISTING JOINT
■	EXISTING MA/HOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY

REVISIONS

NO.	DATE	DESCRIPTION

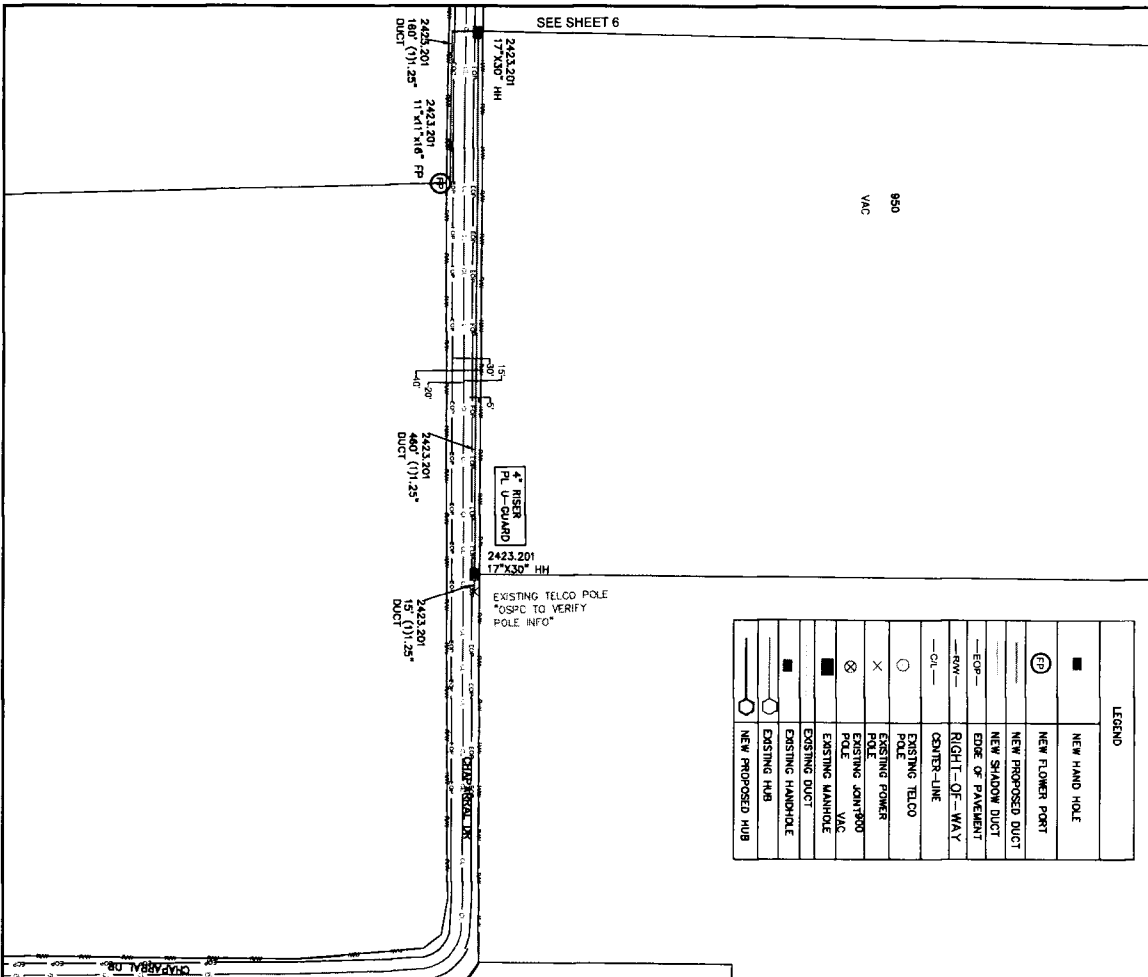
Frontier
COMMUNICATIONS

LAKE BROWNWOOD

FDH H4005 CITY PERMIT DRAWING

PROJECT: FDH H4005 CITY PERMIT DRAWING
 NUMBER: 5307233
 DRAWN/DATE: ENGR. / CLIENT
 07/20/2022 / PHONE: MA
 SCALE: 1"=100' TAX DISTRICT: T0883 DWG: 6 OF 14
 TOWNSHIP: RING: SEC:

SEE SHEET 6



950
VAC

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
⊖	NEW PROPOSED DUCT
⊘	NEW SHADOW DUCT
—EOP—	EDGE OF PAVEMENT
—RW—	RIGHT-OF-WAY
—CL—	CENTER-LINE
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	EXISTING JOINTED POLE
⊙	EXISTING W/D POLE
■	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

EXISTING TELCO POLE
*OSPC TO VERIFY
POLE INFO*

NOTE:
1. PLACE BURIED FIBER CABLES IN NEW DUCT.
2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION
2. WORK SAFELY

800

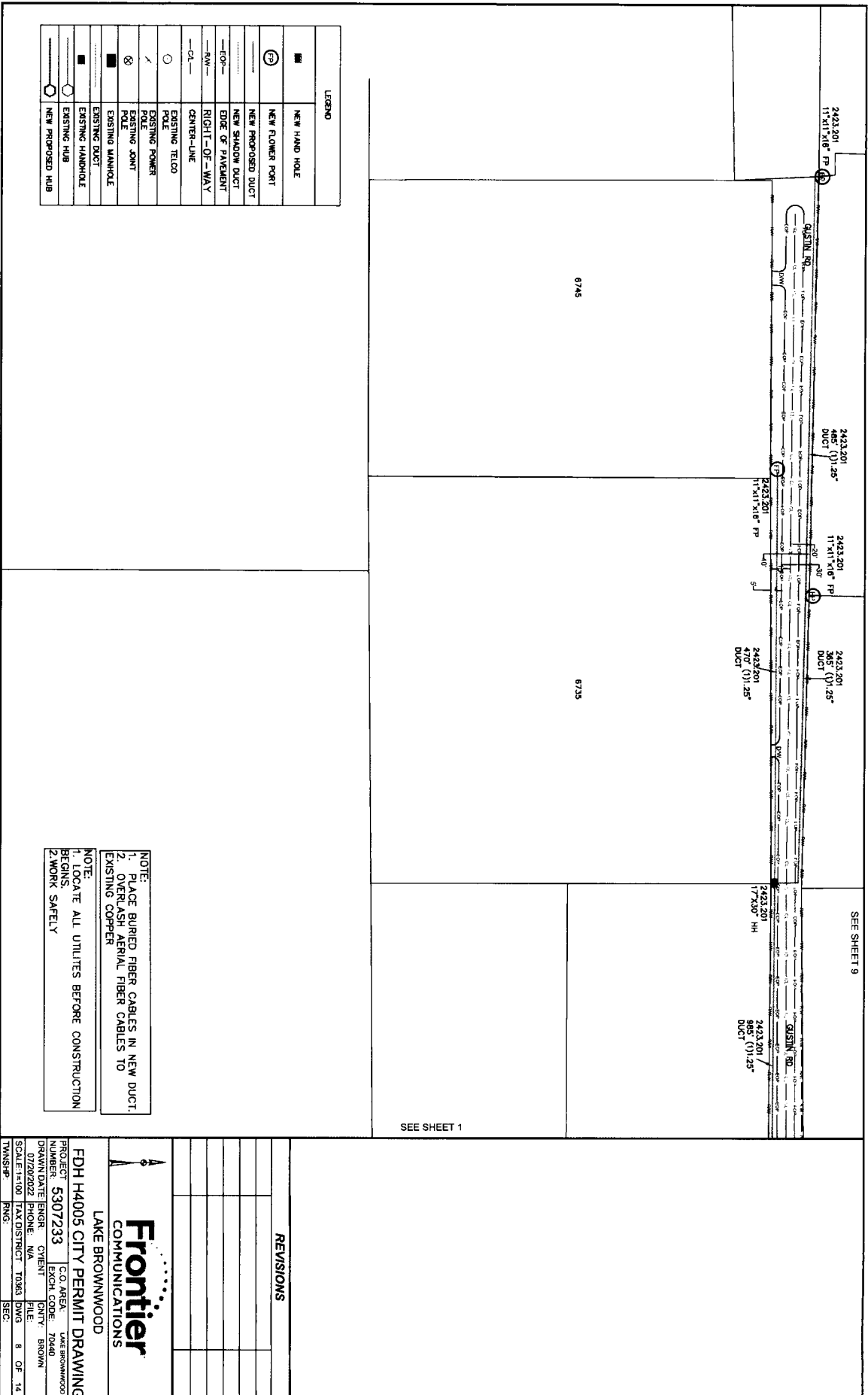
REVISIONS

NO.	DATE	DESCRIPTION



LAKE BROWNWOOD
FDH H4005 CITY PERMIT DRAWING

PROJECT NUMBER: 5307233
DRAWN/DATE: ENGR: C/ENT: 07/20/2022
SCALE: 1"=100'
TOWNSHIP: R10G: SEC: 7 OF 14



LEGEND

■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
---	NEW SHADOW DUCT
---	EDGE OF PAVEMENT
—RW—	RIGHT-OF-WAY
—CL—	CENTER-LINE
○	EXISTING TELCO POLE
/	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
■	EXISTING HANDHOLE
○	EXISTING DUCT
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION
 2. WORK SAFELY

SEE SHEET 1

SEE SHEET 9

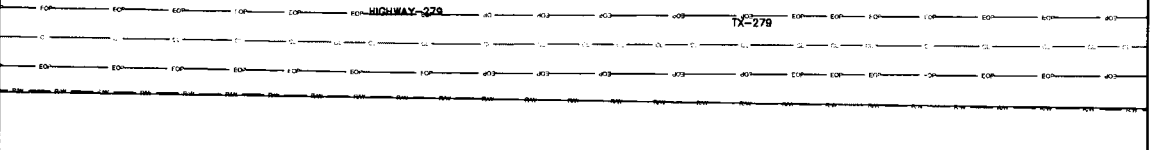
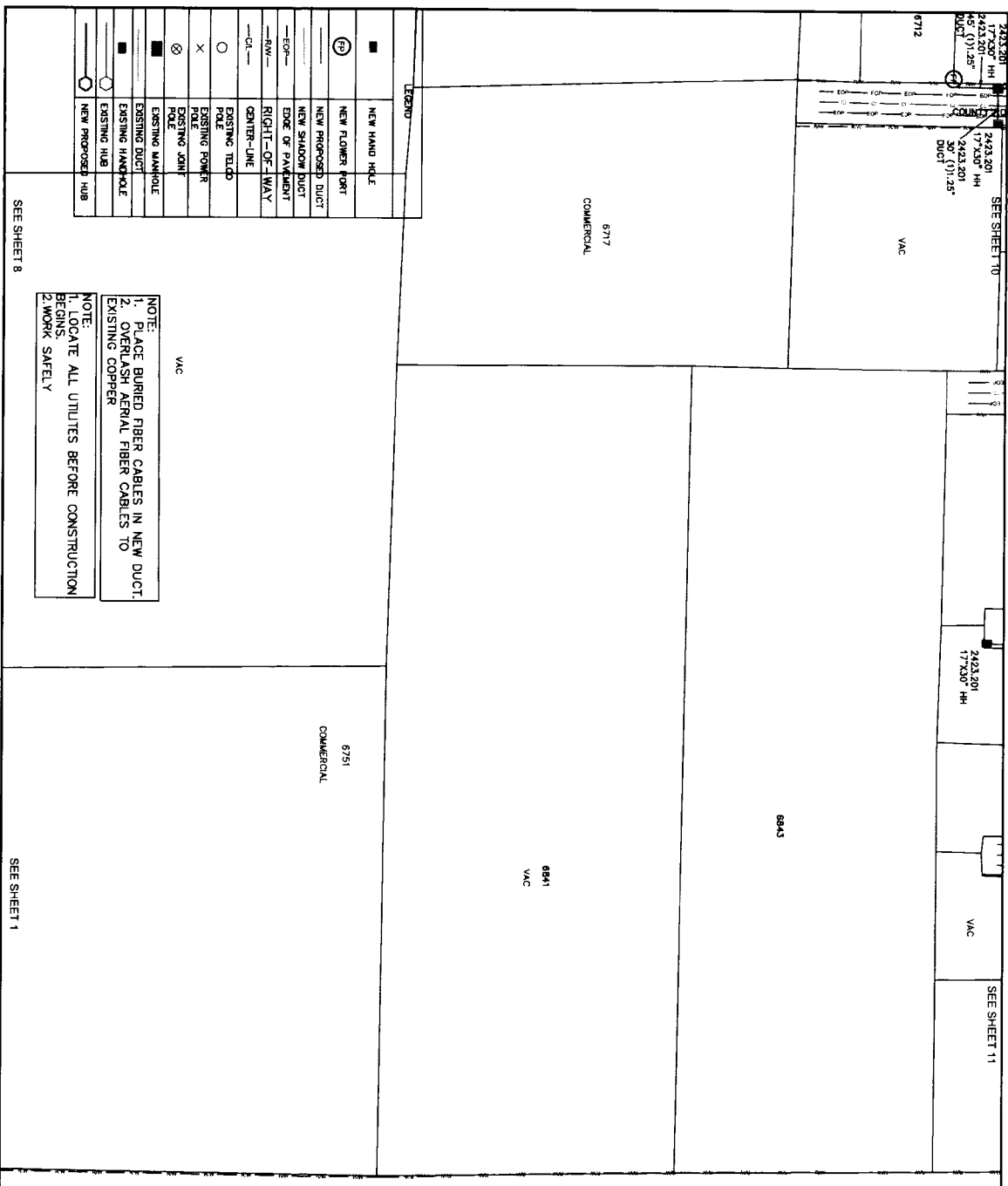
REVISIONS

NO.	DATE	DESCRIPTION



LAKE BROWNWOOD
FDH H4005 CITY PERMIT DRAWING

PROJECT: 5307233
 DATE: 07/29/2022
 DRAWN BY: J. BROWN
 CHECKED BY: J. BROWN
 SCALE: 1"=100'
 TOWN: T0863
 DISTRICT: 8
 SHEET: 8 OF 14



REVISIONS

NO.	DATE	DESCRIPTION

Frontier COMMUNICATIONS

LAKE BROWNWOOD

FDH H4005 CITY PERMIT DRAWING

PROJECT: 5307233 C.O. AREA: LAKE BROWNWOOD
 DRAWN DATE: ENGR. CLIENT: EXCH. CODE: 7040
 SCALE: 1"=100' TAX DISTRICT: 10383 DWG. NO.: 9 OF 14
 TMSHP REC.

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY

LEGEND

■	NEW HAND HOLE
⊕	NEW FLOWER PORT
□	NEW PROPOSED DUCT
▨	NEW SHADOW DUCT
—EOP—	EDGE OF PAVEMENT
—R/W—	RIGHT-OF-WAY
—CA—	CENTER-LINE
○	EXISTING TILD
○	PALE
×	EXISTING POWER PALE
⊗	EXISTING JOINT PALE
⊙	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HAND-HOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

SEE SHEET 8

SEE SHEET 1

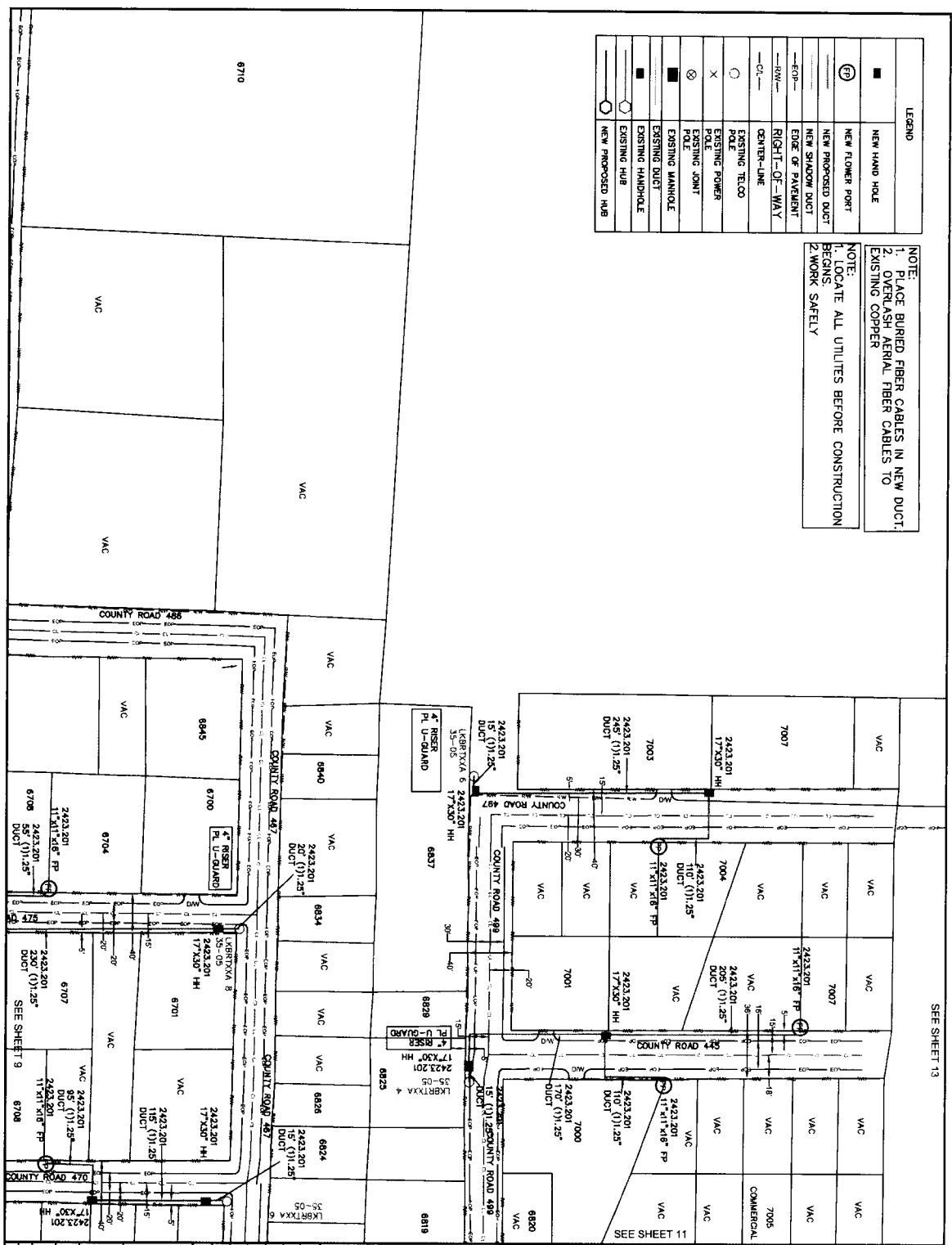
SEE SHEET 10

SEE SHEET 11

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TELLER
×	EXISTING POWER
⊗	EXISTING POINT
■	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY



SEE SHEET 13

SEE SHEET 11

REVISIONS

Frontier
 COMMUNICATIONS

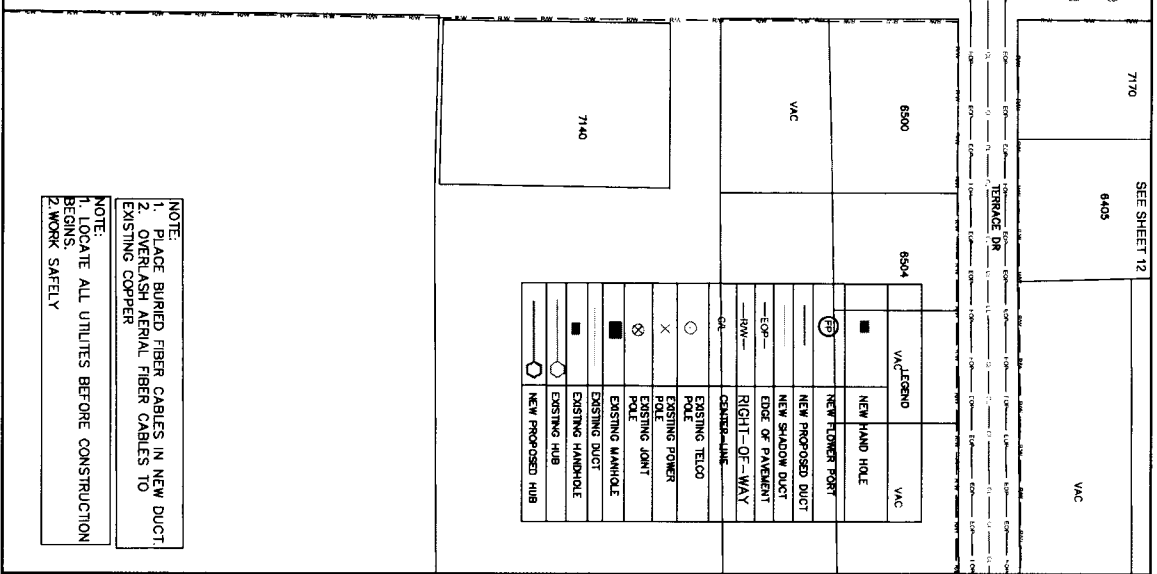
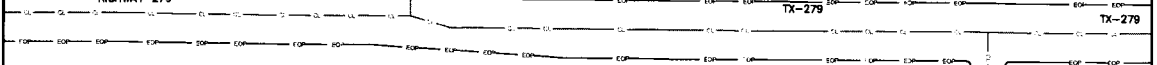
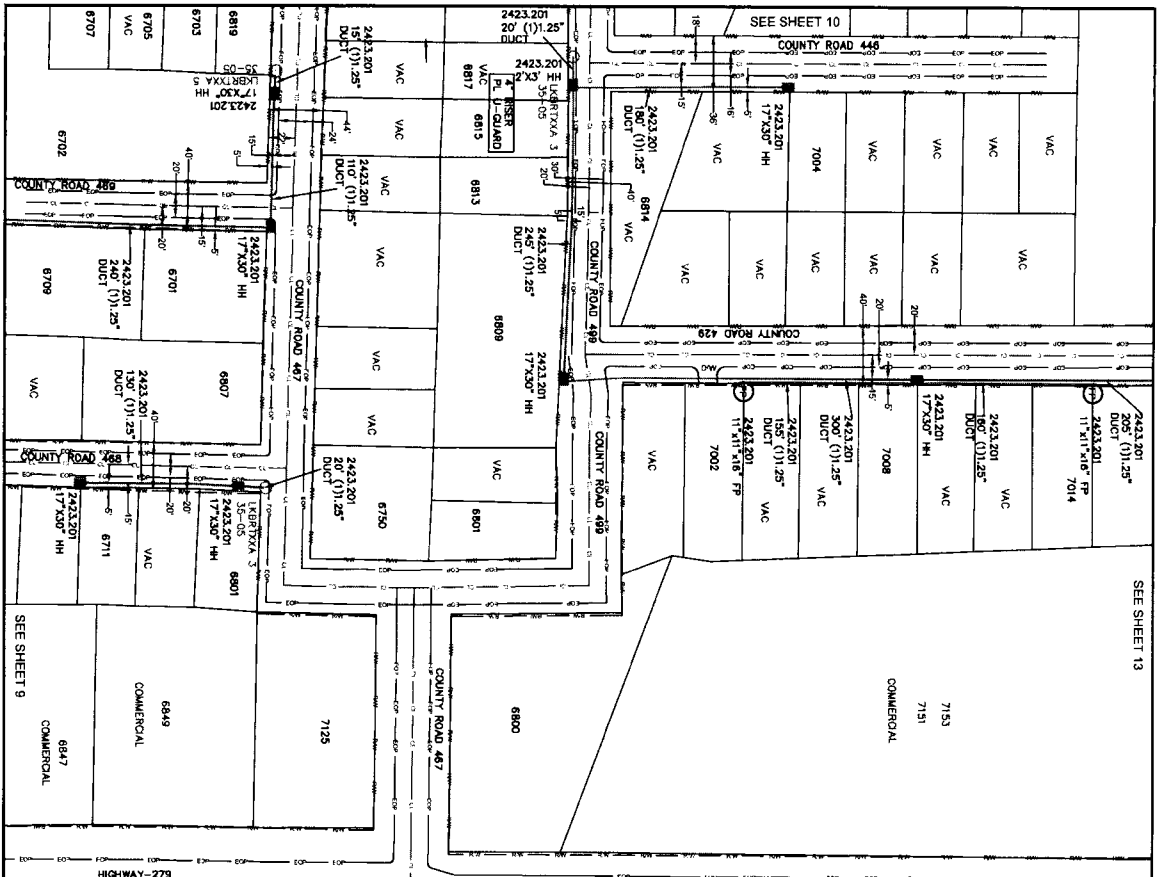
LAKE BROWNWOOD

FDH H4005 CITY PERMIT DRAWING

PROJECT NUMBER: 5307233
 C.O. AREA: LAKE BROWNWOOD

DRAWN DATE: 07/28/22
 ENGINEER: [Name]
 CLIENT: [Name]
 COUNTY: BROWN

SCALE: 1"=100'
 TAX DISTRICT: 70383
 DWG NO: 10 OF 14
 TNSHP: [Name]



NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER
 NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY

SYMBOL	DESCRIPTION
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
⊙	EXISTING MANHOLE
■	EXISTING DUCT
⬢	EXISTING HANDHOLE
⬢	EXISTING HUB
⬢	NEW PROPOSED HUB
⊕	NEW FIBER PORT
⊕	NEW PROPOSED DUCT
⊕	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CANDID-LINE

REVISIONS

NO.	DATE	DESCRIPTION

Frontier
 COMMUNICATIONS

LAKE BROWNWOOD
 COMMUNICATIONS

PROJECT: **FDH H4005 CITY PERMIT DRAWING**

DRAWING NO: **5307233**

DATE: **07/20/2022**

SCALE: **1"=100'**

PROJECT ENGINEER: **CHRISTOPHER BROWN**

CHECKED BY: **CHRISTOPHER BROWN**

DATE: **07/20/2022**

SCALE: **1"=100'**

PROJECT: **FDH H4005 CITY PERMIT DRAWING**

DRAWING NO: **5307233**

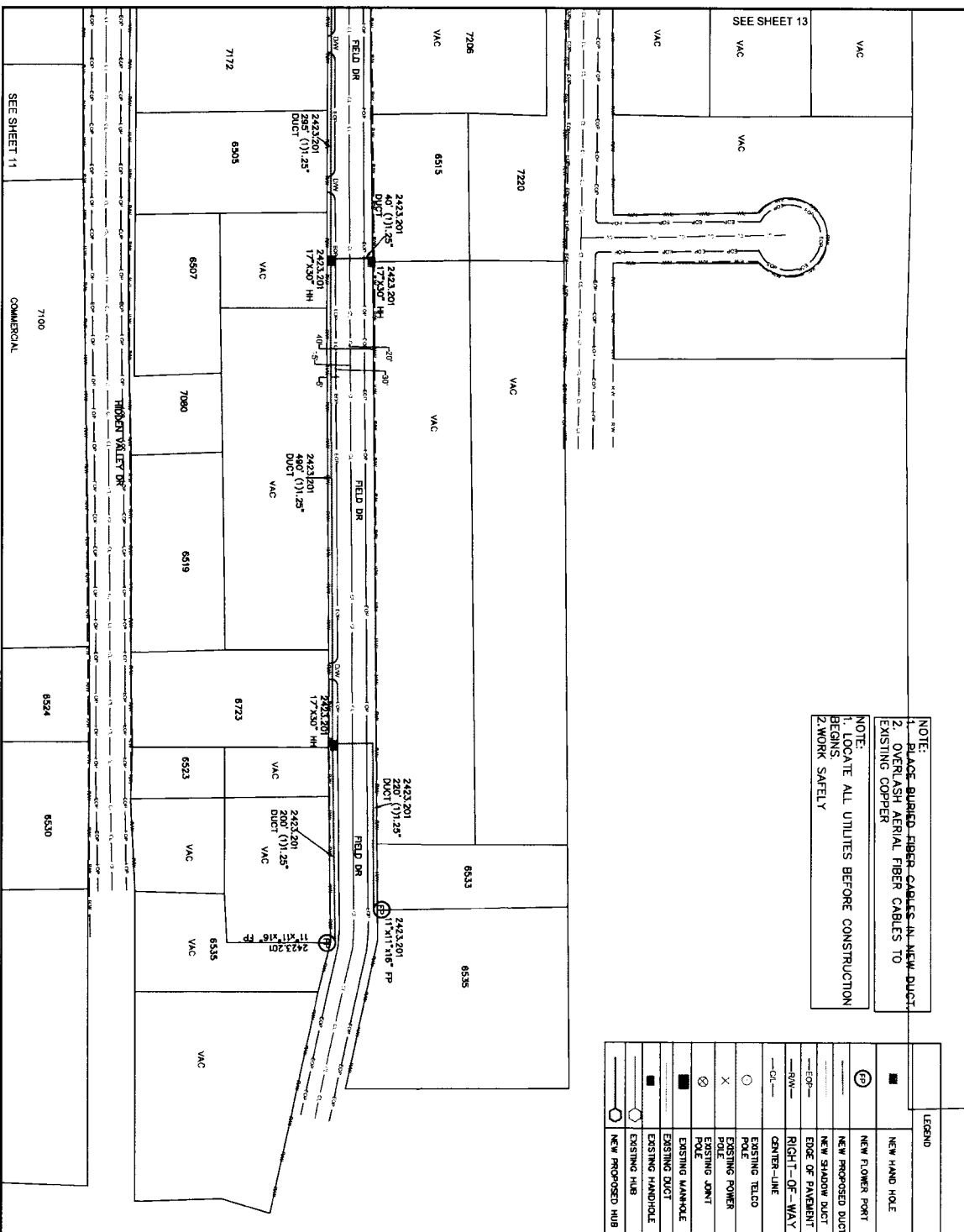
DATE: **07/20/2022**

SCALE: **1"=100'**

PROJECT ENGINEER: **CHRISTOPHER BROWN**

CHECKED BY: **CHRISTOPHER BROWN**

DATE: **07/20/2022**




NOTE:
 1. PLACE GUIDED FIBER CABLES IN NEW DUCT
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TELCO POLE
X	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
■	EXISTING DUCT
⊕	EXISTING HANDHOLE
⊕	EXISTING HUB
⊕	NEW PROPOSED HUB

REVISIONS	

PROJECT: **FDH HA005 CITY PERMIT DRAWING**
 NUMBER: **5307233**
 DRAWN DATE: **ENGR**
 07/20/2022 PHONE: **VIA**
 SCALE: **1"=100'** TAX DISTRICT: **7083** DWG. NO.: **12** OF **14**
 TOWNSHIP: **RNG** SEC:

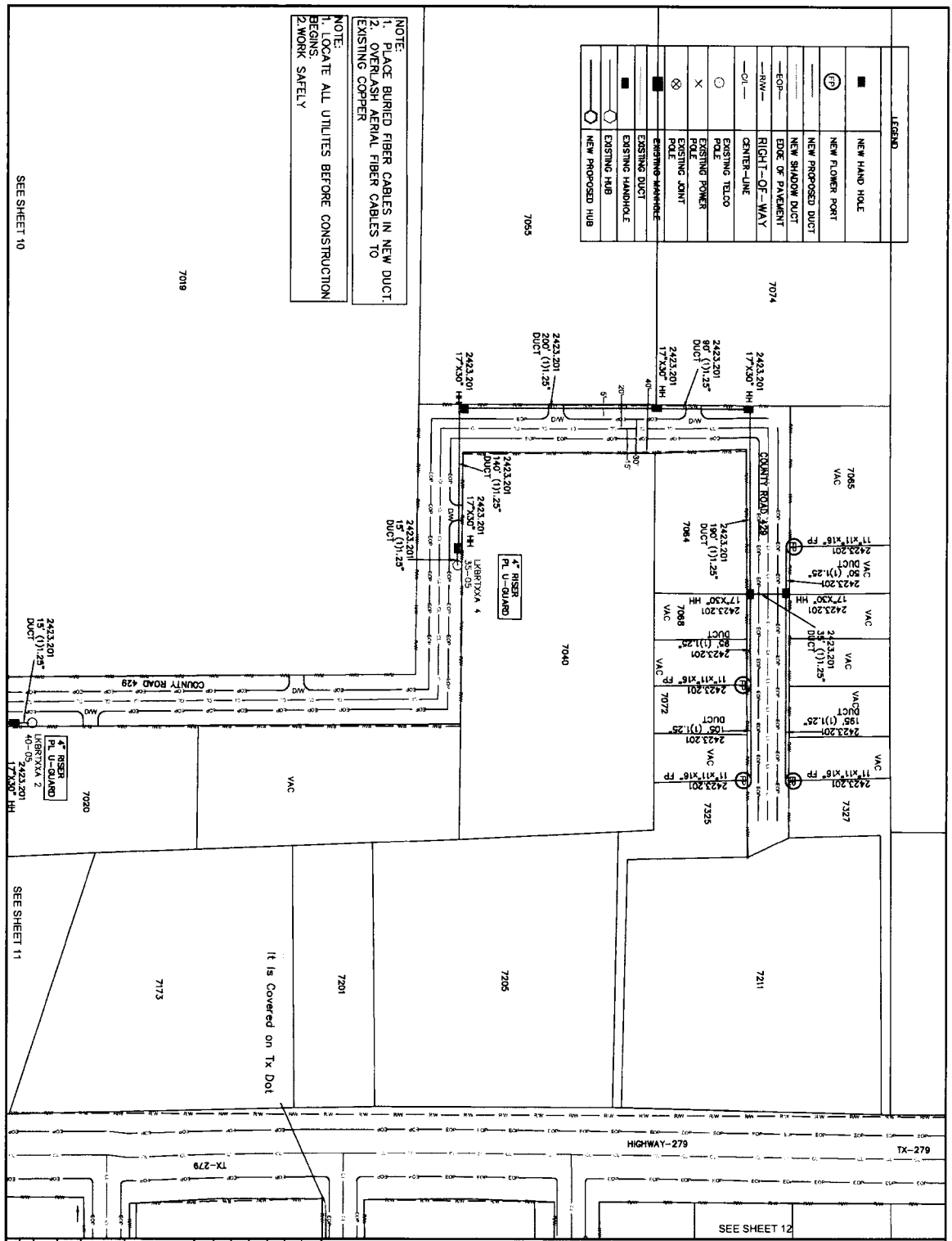

Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD

PROJECT: **LAKE BROWNWOOD**
 NUMBER: **5307233**
 DRAWN DATE: **ENGR**
 07/20/2022 PHONE: **VIA**
 SCALE: **1"=100'** TAX DISTRICT: **7083** DWG. NO.: **12** OF **14**
 TOWNSHIP: **RNG** SEC:

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TELCO POLE
⊗	EXISTING POWER POLE
⊙	EXISTING JOINT
⊠	EXISTING HANDHOLE
⊡	EXISTING DUCT
⊢	EXISTING HANDHOLE
⊣	EXISTING HUB
⊤	NEW PROPOSED HUB

NOTE:
1. PLACE BURIED FIBER CABLES IN NEW DUCT.
2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
2. WORK SAFELY



SEE SHEET 12

TX-279

HIGHWAY-279

TX-278

SEE SHEET 11

REVISIONS	
NO.	DESCRIPTION

Frontier
COMMUNICATIONS

LAKE BROWNWOOD

FDH H4005 CITY PERMIT DRAWING	
PROJECT: 5307233	C.O. AREA: LAKE BROWNWOOD
DESIGNED BY: [blank]	EXCH. CODE: 7040
DRAWN BY: [blank]	CITY: BROWN
SCALE: 1"=100'	TAX DISTRICT: 10883 DWG: 13 OF 14
TOWNSHIP: [blank]	RNG: [blank]

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 09/07/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried x or aerial x water fiber optic cable x telephone electric gas line within the right-of-way and/or across a county road in Brown County, Texas, as follows:

Precinct # 4 Location: Starting point: 8021 HWY 279 This will involve a bore x or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 07 day of October, 2022

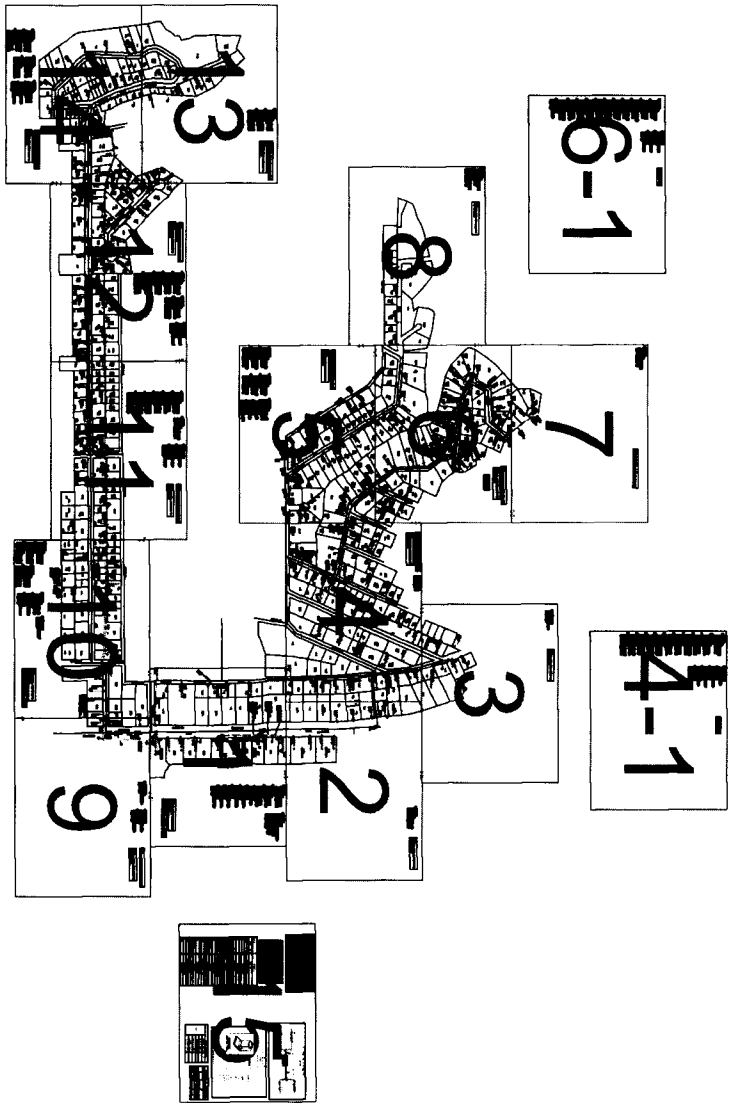
county roads/addresses:

- BLARNEY DR
- SHAMROCK DR
- SHANNON DR
- DONEGAL DR
- CASHELL DR
- EMERALD DR
- KILLARNEY DR
- TIPPERARY DR
- ~~TURNER DR~~
- WATERFORD DR
- FORBESS DR
- ~~EASON DR~~
- LUKER CIR


By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS)

Address CHRISTIAN.REESE@CYIENT.COM

Phone 662.400.9330



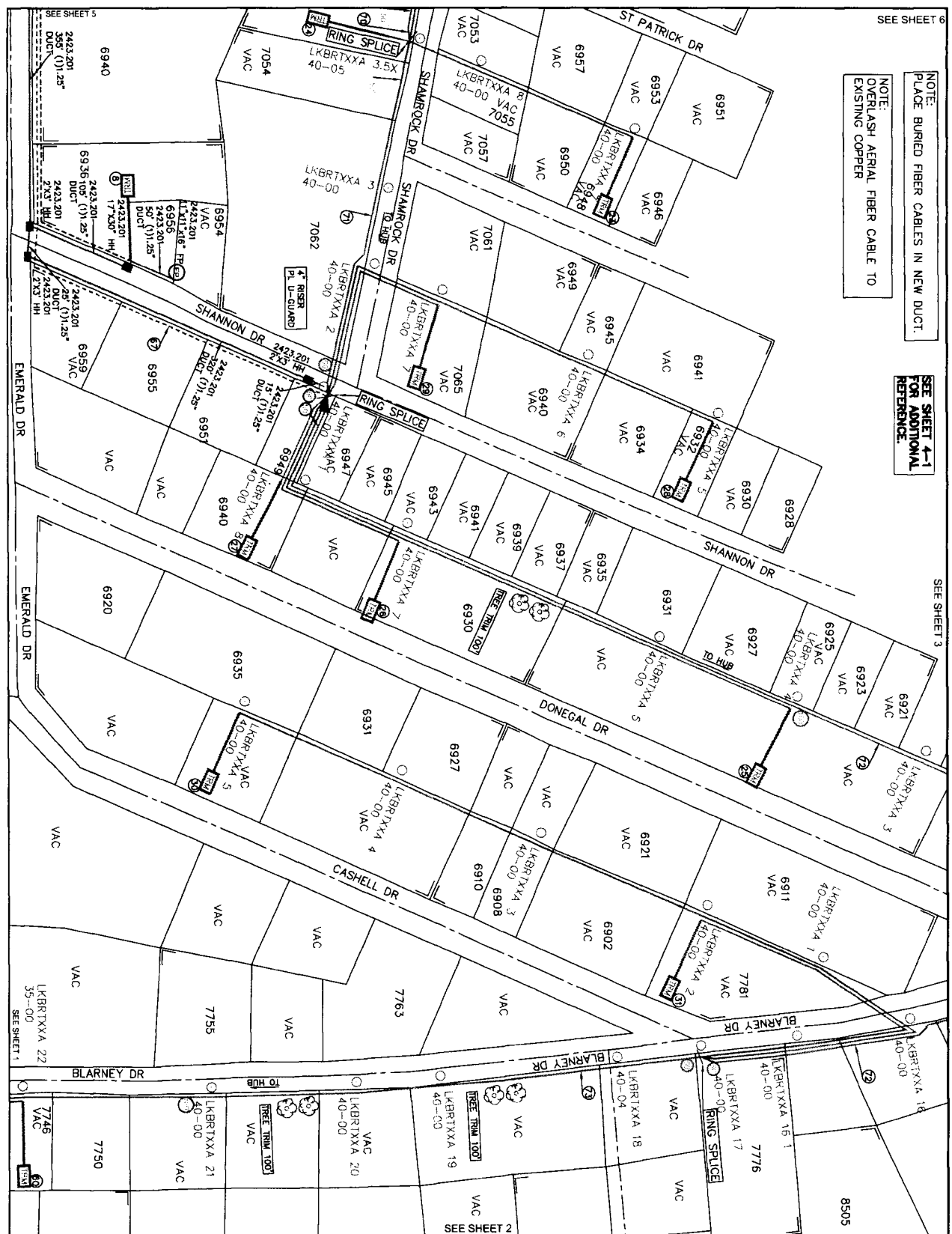
REVISIONS	


Frontier
 COMMUNICATIONS
 LAKE BROWNWOOD
 FDH HUB H4004

PROJECT NUMBER: 5307235	C.O. AREA: LAKE BROWNWOOD
DRAWN DATE: 09/07/2022	EXCH. CODE: 70440
ENGINEER: N/A	CNTY: BROWN
PHONE: N/A	FILE:
TAX DISTRICT: T0383	DWG: DF
TOWNSHIP: RING	SEC:

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.
NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

SEE SHEET 4-1
FOR ADDITIONAL
REFERENCE.



SEE SHEET 2

UNITS / ACCT CODES

FS17A	1
FS90	10
FS17A	1
FS17A	16
FS17A	1
FS93	222
FP015	10
FP017	1
FP029	360
FP033A	400
FP033B	1535
FP034A	755
FP034B	1490
FP22D	2168
FP23D	1441
FP43F	1238
FP41B	300
FP58A	1
FP58B	4
FP59A	515

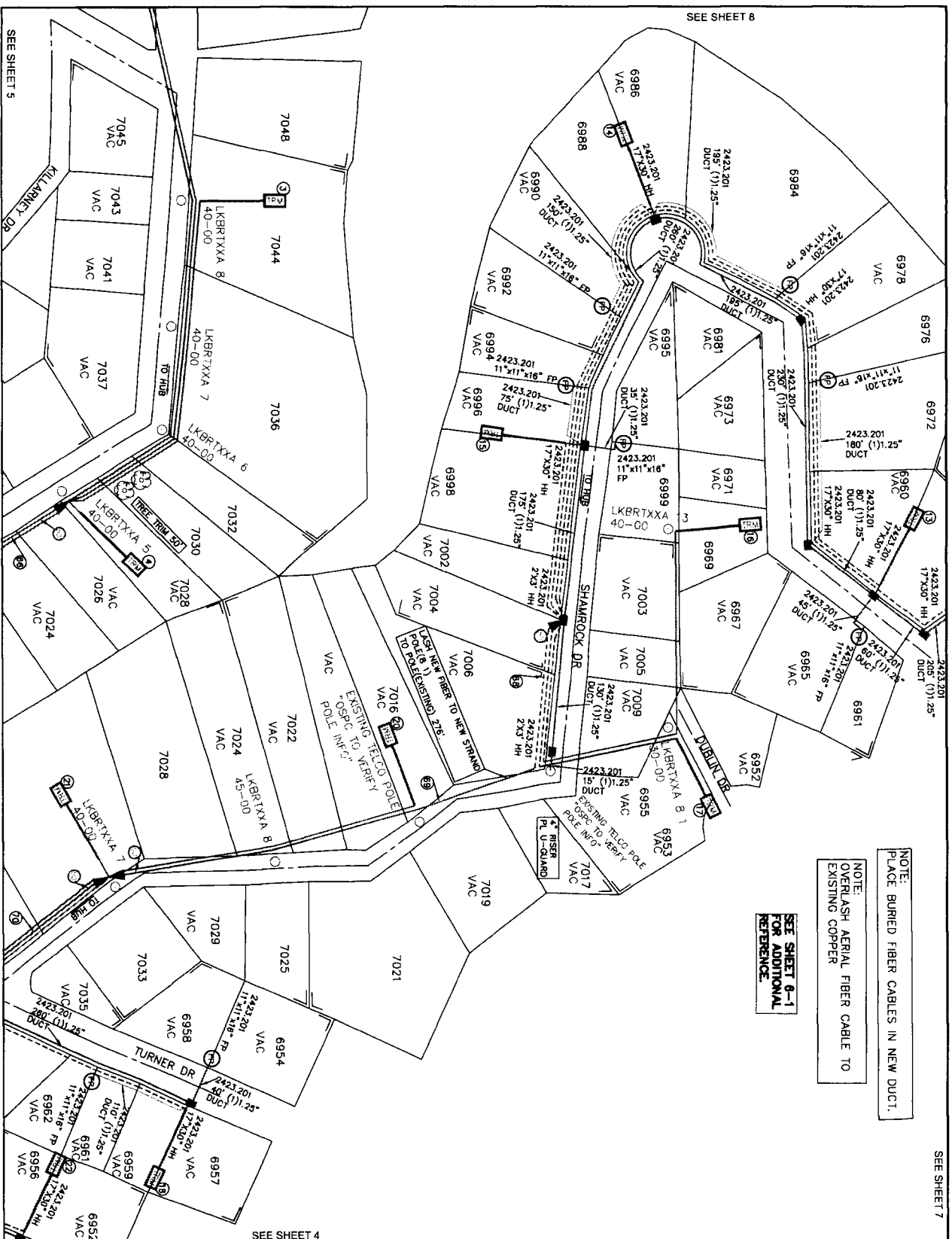
REVISIONS

NO.	DATE	DESCRIPTION



LAKE BROWNWOOD
FDH HUB H4004

PROJECT NUMBER: 5307235	C.O. AREA: LAKE BROWNWOOD
DRAWN DATE: 08/07/2022	EXCH CODE: 7044D
ENGR: N/A	CNTY: BROWN
PHONE: N/A	FILE: 08072022
TAX DISTRICT: 10883	DWG: 4 OF 15
RNO:	SEC:



SEE SHEET 7

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.
NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

SEE SHEET 8-1
FOR ADDITIONAL
REFERENCE.

SEE SHEET 4

UNITS / ACCT CODES

FS1/A	1
FS1	34
FS1/A	1
FS1/A	34
FS1	1
FS1/A	54
FS1	5
FP017	5
FP029	1705
FP032	2785
FP033A	1370
FP034A	1735
FP034B	525
FP22D	572
FP43E	275
FP18A	276
FP47B	30
FP58A	8
FP58B	10
FP59A	835
FP59B	635

REVISIONS

NO.	DESCRIPTION	DATE



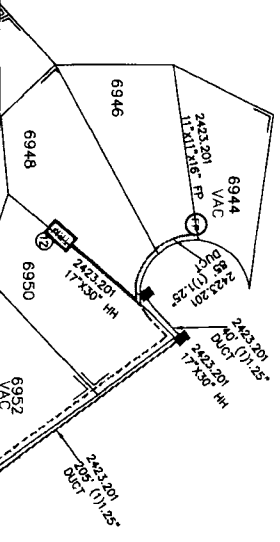
LAKE BROWNWOOD
FDH HUB H4004

C.O. AREA: LAKE BROWNWOOD
PROJECT NUMBER: 5307235
DRAWN DATE/ENGR: CV/ENT
08/07/2022 PHONE: N/A
SCALE 1"=100' TAX DISTRICT: T0363 DWG: 6 OF 15
TWN/SH/PP: RING: SEC:

SEE SHEET 5

② 2423 201
 FIBER TERM
 4 PORT 1500FT(1319FT)
 GSFTP FT-1074513
 GSFTP H4004,73-76

NOTE:
 PLACE BURIED FIBER CABLES IN NEW DUCT.



SEE SHEET 6

UNITS / ACCT CODES

FP588	2
FP584	1
FP594	125
FP017	1

REVISIONS

NO.	DATE	BY	DESCRIPTION

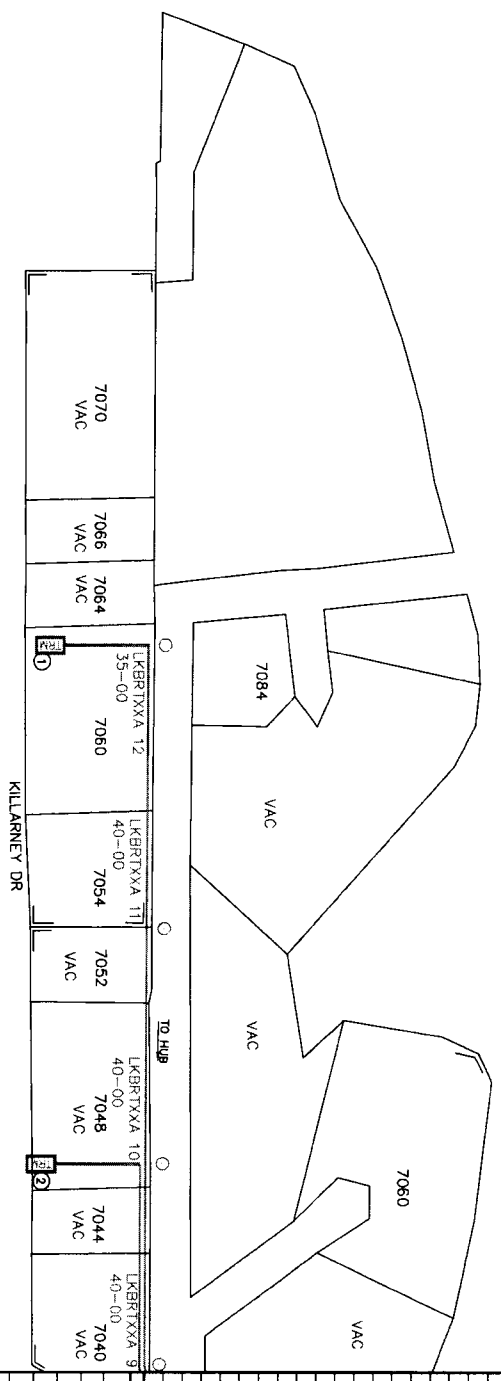
Frontier
 COMMUNICATIONS

LAKE BROWNWOOD
 FDH HUB H4004

PROJECT NUMBER: 5307235	EXCH AREA: LAKE BROWNWOOD
CLIENT: 7044D	EXCH CODE: 7044D
ENGINEER: N/A	DATE: 09/07/2022
DRAWN: BROWN	PHONE: N/A
TAX DISTRICT: 10983	FILE: 7
SCALE: 1"=60'	DWG: 7 OF 15
TWNSHIP: RNS	SEC:

① 2421.201
 FIBER TERM
 6 PORT 1500FT(1215FT)
 GSFTP FT-1074502
 GSFTP H4004,1-6
 ② 2421.201
 FIBER TERM
 6 PORT 1000FT(800FT)
 GSFTP FT-1074503
 GSFTP H4004,7-12

NOTE:
 OVERLASH AERIAL FIBER CABLE TO
 EXISTING COPPER



SEE SHEET 5

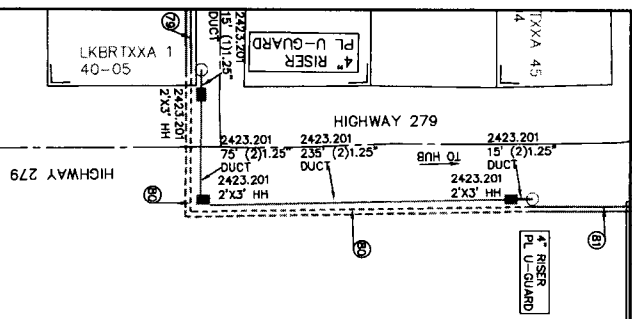
SEE SHEET 6

UNITS / ACCT CODES
 FP015 2

REVISIONS



PROJECT NUMBER: 5307235
 E/C: ABEA
 LAKE BROWNWOOD
 DRAWN DATE: ENGR: C/ENT
 EXCH. CODE: 7040
 08/07/2022 PHONE: N/A
 SHT: BROWN
 SCALE: 1"=100' TAX DISTRICT: 10383 DWG: 8 OF 15
 TOWNSHIP: RING: SEC:



⑨517' 2421.201
FO-288
GSF TP H4004,205-3844+
XD,181-288

⑨490' 2423.201
FO-288
GSF TP H4004,205-3844+
XD,181-288
⑩204' 2421.201
FO-288
GSF TP H4004,205-3844+
XD,181-288

SEE SHEET 1

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

UNITS / ACCT CODES

FP220	517
FP43F	490
FP888	3
FP99A	15
FP99B	325

REVISIONS



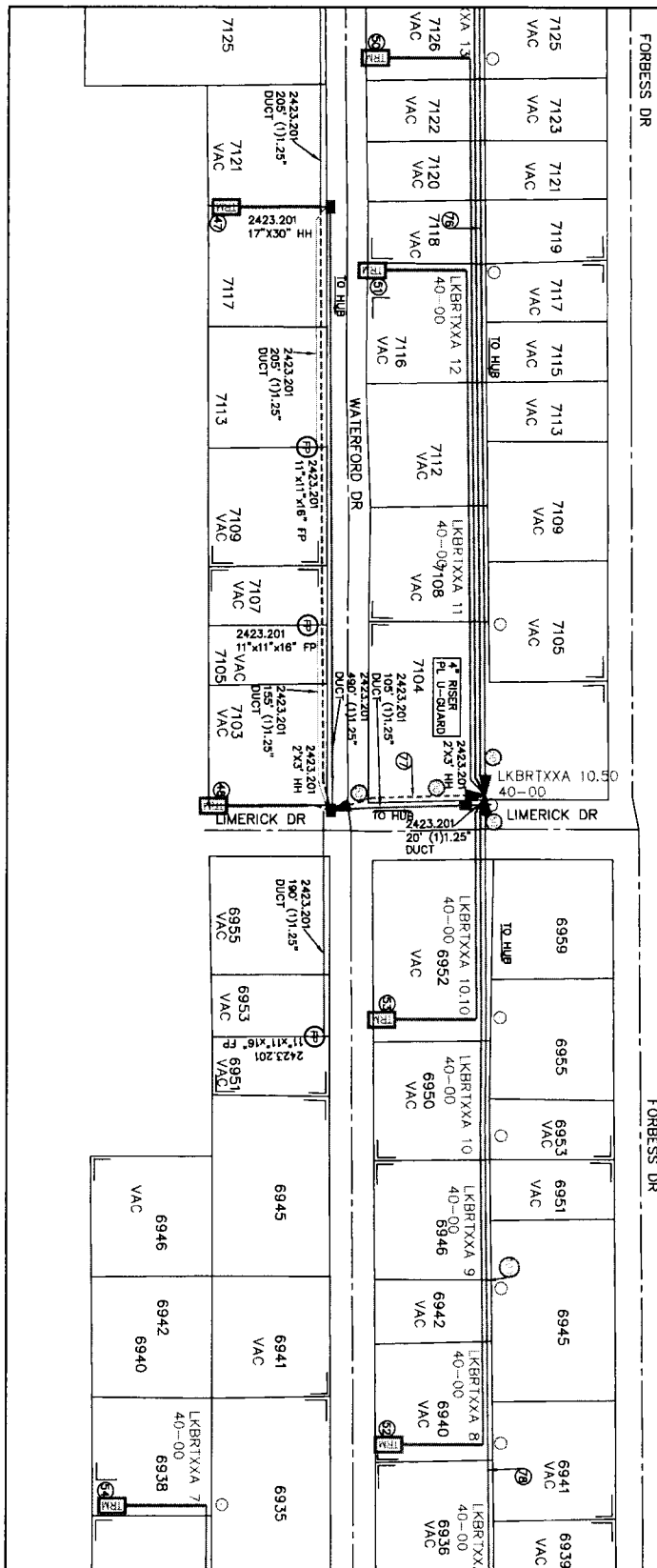
LAKE BROWNWOOD
FDH HUB H4004

PROJECT: LAKE BROWNWOOD
NUMBER: 5307235
DRAWN/DATE/ENGR: C/ENT / 10/40
08/07/2022 PHONE: N/A FILE: BROWN
SCALE: 1"=100' TAX DISTRICT: 10983 DWG: 9 OF 15
TWN/SH: RNC: SEC:

- ④ 2423.201
FIBER TERM
6 PORT 1000FT(530FT)
GSFTP FT-1074548
GSFTP H4004,289-284
- ④ 2421.201
FIBER TERM
6 PORT 1500FT(1275FT)
GSFTP FT-1074555
GSFTP H4004,337-342
- ④ 7807 2421.201
TO 86
GSFTP H4004,205-289+
XD,85-98
⑦ 282 2423.201
FO 48
GSFTP H4004,289-300+
XD,13-48
⑧ 2074 2421.201
FO 288
GSFTP H4004,205-336+
XD,133-288
- ④ 2423.201
FIBER TERM
6 PORT 1000FT(530FT)
GSFTP FT-1074548
GSFTP H4004,289-284
- ④ 2421.201
FIBER TERM
6 PORT 1000FT(490FT)
GSFTP FT-1074548
GSFTP H4004,285-300
- ④ 2421.201
FIBER TERM
6 PORT 1000FT(669FT)
GSFTP FT-1074551
GSFTP H4004,309-318
- ④ 2421.201
FIBER TERM
6 PORT 1000FT(490FT)
GSFTP FT-1074552
GSFTP H4004,317-324
- ④ 2421.201
FIBER TERM
6 PORT 1000FT(590FT)
GSFTP FT-1074553
GSFTP H4004,325-330
- ④ 2421.201
FIBER TERM
6 PORT 500FT(240FT)
GSFTP FT1074554
GSFTP H4004,331-338

NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.

NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER



SEE SHEET 10

UNITS / ACCT CODES

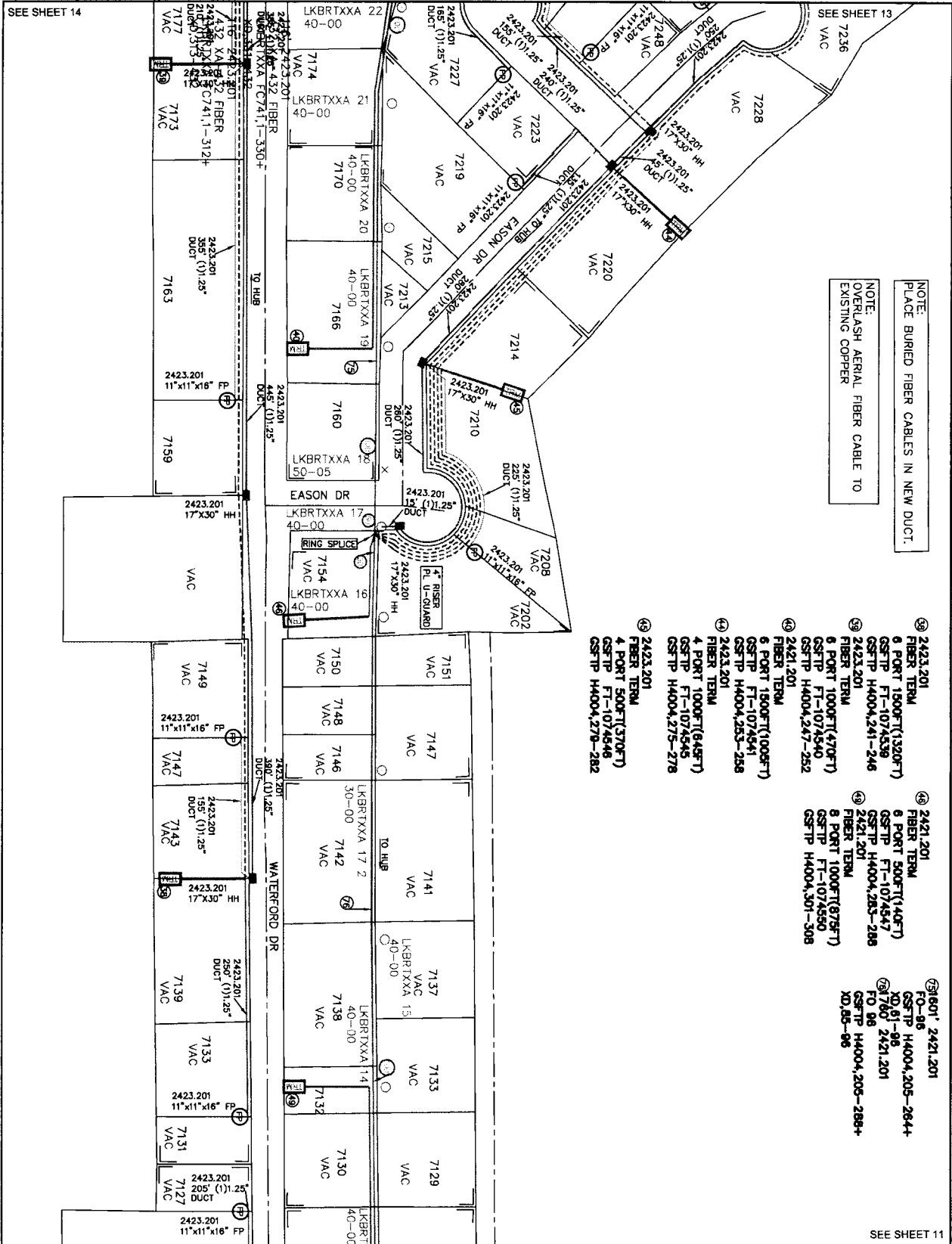
FS14A	1
FS50	12
FS14A	1
FS52	32
FP015	5
FP017	2
FP029	530
FP032	5
FP033B	875
FP034B	1985
FP43F	292
FP23D	1760
FP58A	3
FP58B	3
FP59A	650
FP59B	360

REVISIONS

Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH HUB H4004

PROJECT	LAKE BROWNWOOD
NUMBER	5307235
DRAWN DATE/ENGR	CLIENT
09/07/2022	PHONE: N/A
SCALE: 1"=60'	TAX DISTRICT: 10883
TWNSHIP: RING	SEC:



NOTE:
PLACE BURIED FIBER CABLES IN NEW DUCT.
NOTE:
OVERLASH AERIAL FIBER CABLE TO
EXISTING COPPER

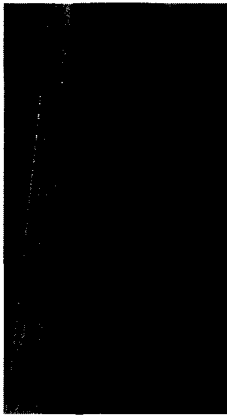
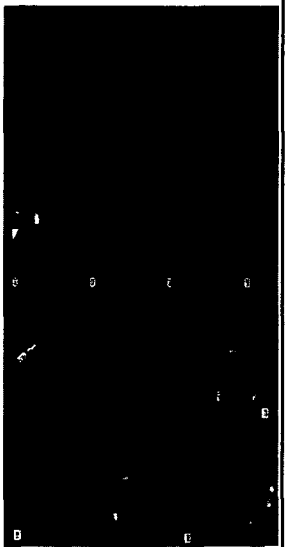
- ① 2423.201
FIBER TERM
6 PORT 1900FT(1320FT)
GSFTP FT-1074539
GSFTP H4004,241-246
- ② 2423.201
FIBER TERM
6 PORT 1000FT(470FT)
GSFTP FT-1074540
GSFTP H4004,247-252
- ③ 2421.201
FIBER TERM
6 PORT 1900FT(1000FT)
GSFTP FT-1074541
GSFTP H4004,253-258
- ④ 2423.201
FIBER TERM
4 PORT 1000FT(845FT)
GSFTP FT-1074545
GSFTP H4004,275-278
- ⑤ 2423.201
FIBER TERM
4 PORT 500FT(370FT)
GSFTP FT-1074548
GSFTP H4004,279-282
- ⑥ 2421.201
FIBER TERM
6 PORT 500FT(140FT)
GSFTP FT-1074547
GSFTP H4004,283-288
- ⑦ 2421.201
FIBER TERM
8 PORT 1000FT(875FT)
GSFTP FT-1074550
GSFTP H4004,301-308
- ⑧ 601' 2421.201
FO-96
GSFTP H4004,205-284+
XD,61-96
⑨ 760' 2421.201
FO 96
GSFTP H4004,205-288+
XD,65-96

UNITS /ACCT CODES	REVISIONS
FS14A 1	
FS51 24	
FP015 3	
FP017 4	
FP029 960	
FP032 1965	
FP034B 140	
FP22D 391	
FP23D 1210	
FP58A 6	
FP58B 7	
FP59A 1560	
FP59B 1135	

Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH HUB H4004

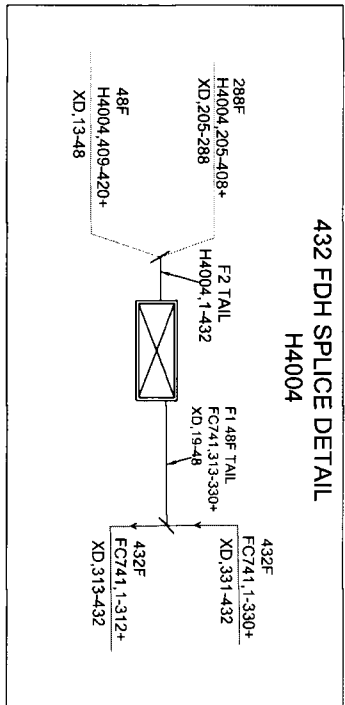
PROJECT NUMBER: 5307235	C.O. AREA: LAKE BROWNWOOD	ENGR CODE: 70440
DRAWN/DATE/ENGR: CVIENT	CONTR: BROWN	FILE:
09/07/2022	PHONE: N/A	DWG: 12 OF 15
SCALE 1:100	TAX DISTRICT: T0383	SEC:
TWNSHIP: RNO		



HUB ID	HUB4004
MATERIAL CODE	F3H-1G4332UE
MANUFACTURER	COMMSCOPE
TYPE	FDH CABINET 48/432TYP PAD GEN 3
IN	H4004A,1-32
IN	H4004B,1-32
IN	H4004C,1-32
IN	XD,19-48
IN	FC741,313-330+
OUT	H4004,1-432

SPLITTER ID	H4004A
MATERIAL CODE	FPS-G2LP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,313-313
OUT	H4004A,1-32

SPLITTER ID	H4004B
MATERIAL CODE	FPS-G2LP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,314-314
OUT	H4004B,1-32
SPLITTER ID	H4004C
MATERIAL CODE	FPS-G2LP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,315-315
OUT	H4004C,1-32



70440-5307235
8021 HIGHWAY 279
H4004(432)
SPLITTERS 1:32

HUB

SPLITTER	IN	OUT
FC741, 313-313	IN	OUT
H4004A,1-32	IN	OUT
FC741, 314-314	IN	OUT
H4004B,1-32	IN	OUT
FC741, 315-315	IN	OUT
H4004C,1-32	IN	OUT
H4004A,1-32	IN	OUT
H4004B,1-32	IN	OUT
H4004C,1-32	IN	OUT
XD,19-48	IN	OUT
FC741, 313-330+	IN	OUT
H4004,1-432	IN	OUT

PROPOSED FDH LOCATION
8021 HIGHWAY 279, LAKE BROWNWOOD, TX

UNITS ENGINEERED	
LUS(ACTUAL)	368
LUS(FUTURE)	
MUS(ACTUAL)	
MUS(FUTURE)	
BUS(ACTUAL)	
BUS(FUTURE)	

FIBER INFO FOR THE LONGEST			
FIBER SERVED BY THIS FDH			
CABLE #	FEEDER	DISTRIBUTION	TOTAL OF FEEDER & DISTRIBUTION
FC741	313	H4004	1
FIBER #	5	8	11
SPLICERS	34,13PKFT	9,488PKFT	43,628PKFT
LENGTH			

Frontier
COMMUNICATIONS

LAKE BROWNWOOD
FDH HUB H4004

PROJECT NUMBER:	5307235	C/O AREA:	LAKE BROWNWOOD
DRAWN/DATE/ENGR:	09/07/2022	CLIENT:	BROWN
PHONE:	N/A	EXCH. CODE:	70440
TAX DISTRICT:	10983	FILE:	
RNG:		DWG.:	15
SEC:		OF:	15

REVISIONS

NO.	DESCRIPTION	DATE

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 09/01/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried X or aerial X water fiber optic cable X telephone electric gas line within the right-of-way and/or across a county road in Brown County, Texas, as follows:

Precinct # Location: Starting point: 8501 COUNTY ROAD 456 This will involve a bore X or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

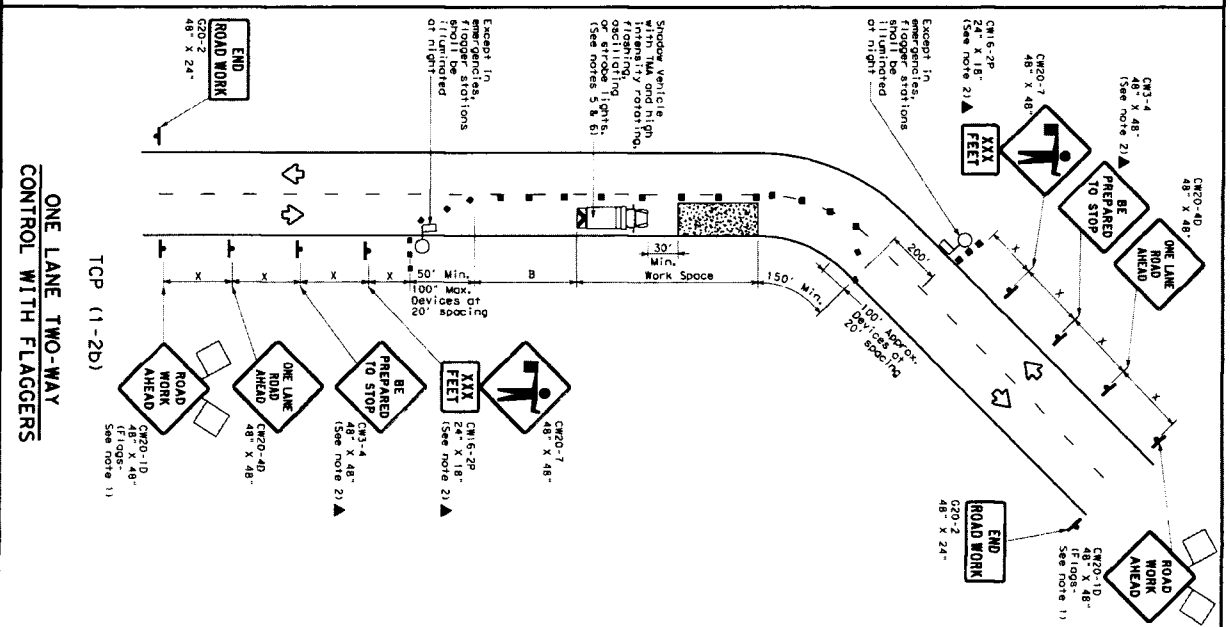
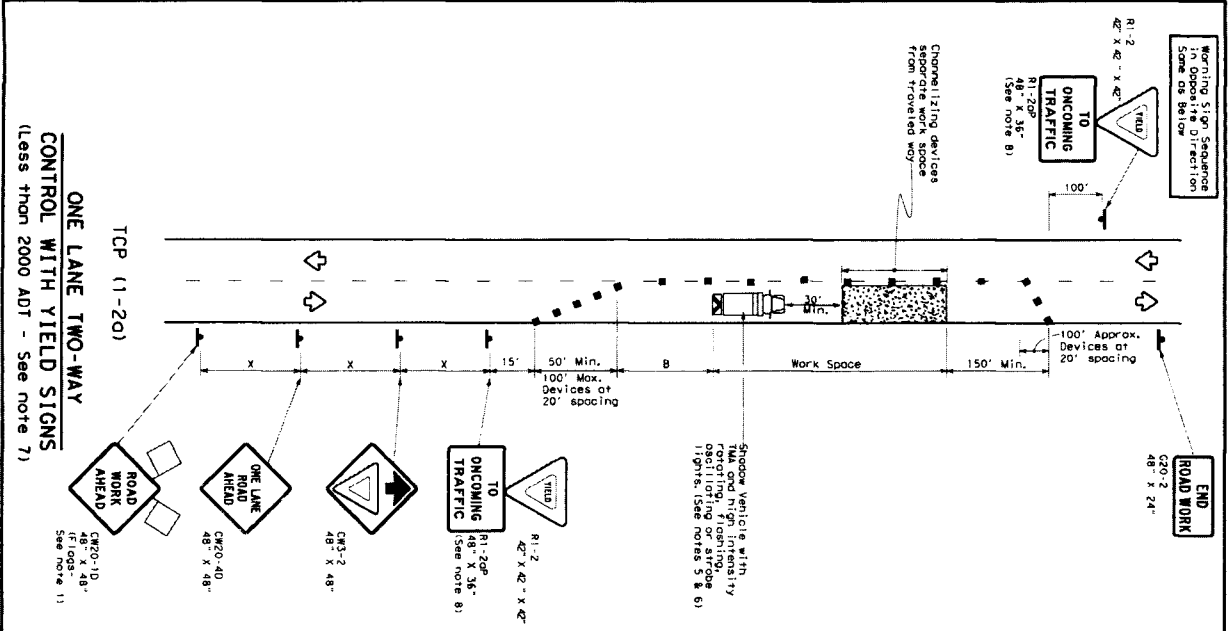
Construction of this line will begin on or after the 15th day of September, 2022

county roads/addresses:
county road 456
Lewis Lane
Ben Avenue
Adam Ave
Avolyn Avenue
Rest of roads are in Brown county

By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS)
Address CHRISTIAN.REESE@CYIENT.COM
Phone 662.400.9330

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

Symbol	Description	Symbol	Description
[Type 3 Barricade]	Type 3 Barricade	[Channelizing Device]	Channelizing Devices
[Trailer Mounted Attenuator (TMA)]	Trailer Mounted Attenuator (TMA)	[Portable Channelizing Flashing Arrow Board]	Portable Channelizing Flashing Arrow Board
[Message Sign (PMS)]	Message Sign (PMS)	[Traffic Sign]	Traffic Sign
[Flag]	Flag	[Flagger]	Flagger

GENERAL NOTES

- Flags oriented to flow where shown are REQUIRED, except those devoted with the maintenance work, when approved by the Engineer.
- The CW3-4, BE PREPARED TO STOP sign may be installed over the CW20-10 ONE LANE ROAD AHEAD sign, but proper sign spacing shall be maintained.
- A shadow vehicle with a TMA should be used without the presence of the performance or safety of the work. If workers are no longer present but road or work conditions require the shadow vehicle to be used, the shadow vehicle shall be positioned 30 to 100 feet in advance of the work area.
- Additional shadow vehicles with TMA may be positioned off the paved surface, next to those shown in order to protect other work spaces.

TCP (1-20)

- Yield sign traffic control may be used on projects with approaches that have adequate sight distances. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
- Signs should be placed on a support of 7 foot minimum mounting height.

TCP (1-2b)

- Flaggers should use two-way radios or other methods of communication to control traffic.
- If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distances to the flagger and a queue of stopped vehicles (see table above).
- Flaggers should be on the centerline when a pilot car is leading.
- Traffic signs should be placed on the centerline or on the shoulder.
- Flaggers should use 24" 5109/5106 poles to control traffic. Flags should be limited to emergency situations.

TYPICAL USAGE

MOBILE	SHORT TERM DURATION	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
30	35	40	45
50	55	60	65
70	75	80	85

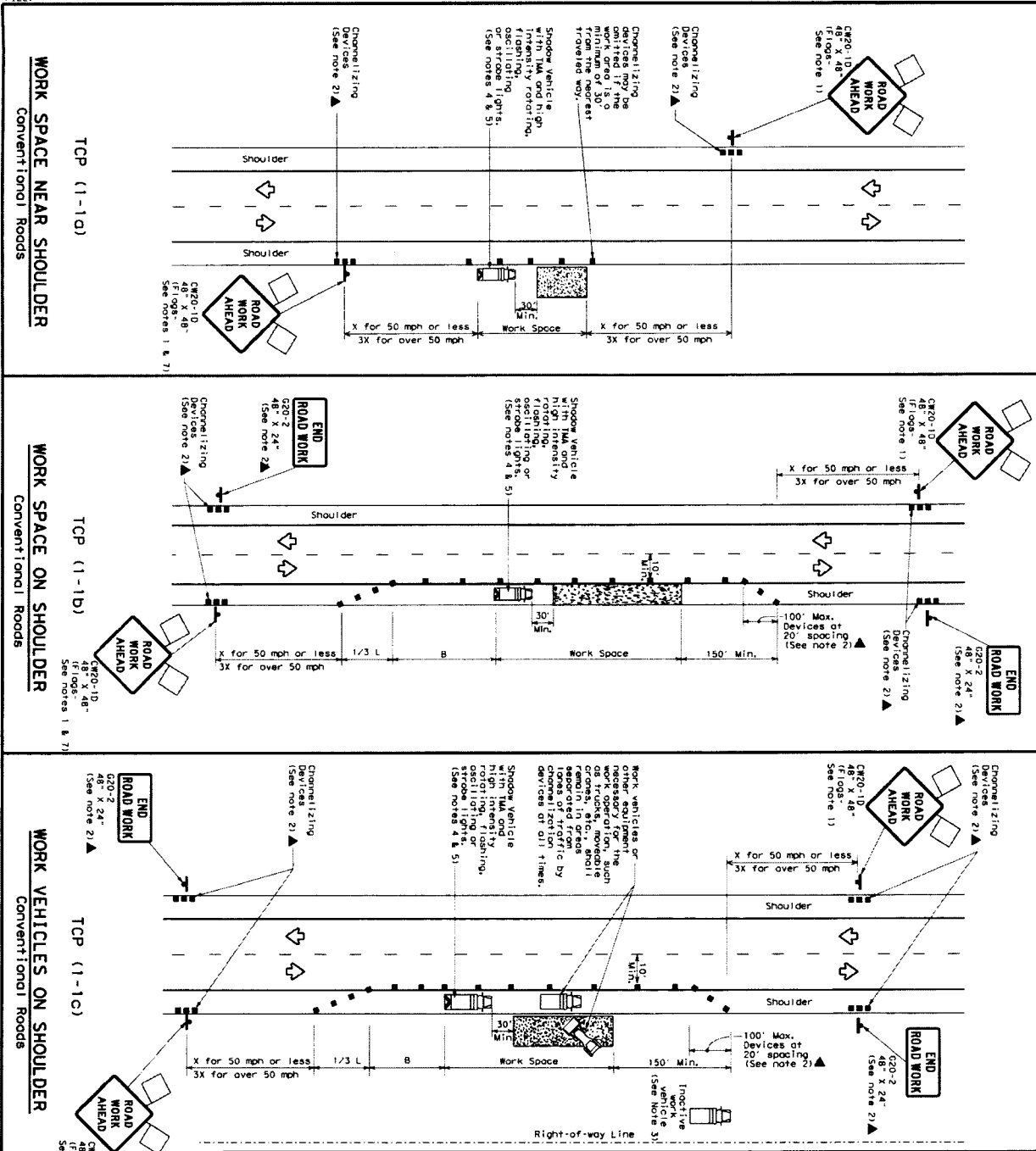
TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY TRAFFIC CONTROL
TCP (1-2) - 18

Texas Department of Transportation
 Thelma Operative Manager

DATE: 12/19/18
 FILE: 1-18-18

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 omissions resulting from its use.

DATE: _____
FILE: _____



LEGEND

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

GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the "OPTIONAL" symbol and are entered where stated elsewhere in the plan, or for field convenience when approved by the Engineer.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- 30 to 100 feet in advance 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 should be placed in the work space.
- Additional stoppage vehicles with TMA may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
- See T01(5-1) for shoulder work on divided highways, expressways and freeways.
- Channelizing devices may be used in place of C90-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

TYPICAL USAGE

MOBILE	SHORT TERM	INTERMEDIATE TERM	LONG TERM
✓	✓	✓	✓
TYPE 3 BARRICADE	TYPE 3 BARRICADE	TYPE 3 BARRICADE	TYPE 3 BARRICADE
HEAVY WORK VEHICLE	HEAVY WORK VEHICLE	HEAVY WORK VEHICLE	HEAVY WORK VEHICLE
TRAILING MOUNTED FLASHING ARROW BOARD	TRAILING MOUNTED FLASHING ARROW BOARD	TRAILING MOUNTED FLASHING ARROW BOARD	TRAILING MOUNTED FLASHING ARROW BOARD
PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)
TRAFFIC FLOW	TRAFFIC FLOW	TRAFFIC FLOW	TRAFFIC FLOW
FLAGGER	FLAGGER	FLAGGER	FLAGGER

Traffic Control Plan
CONVENTIONAL ROAD SHOULDER WORK
TCP (1-1)-18

Texas Department of Transportation
Traffic Control Plan
Standard

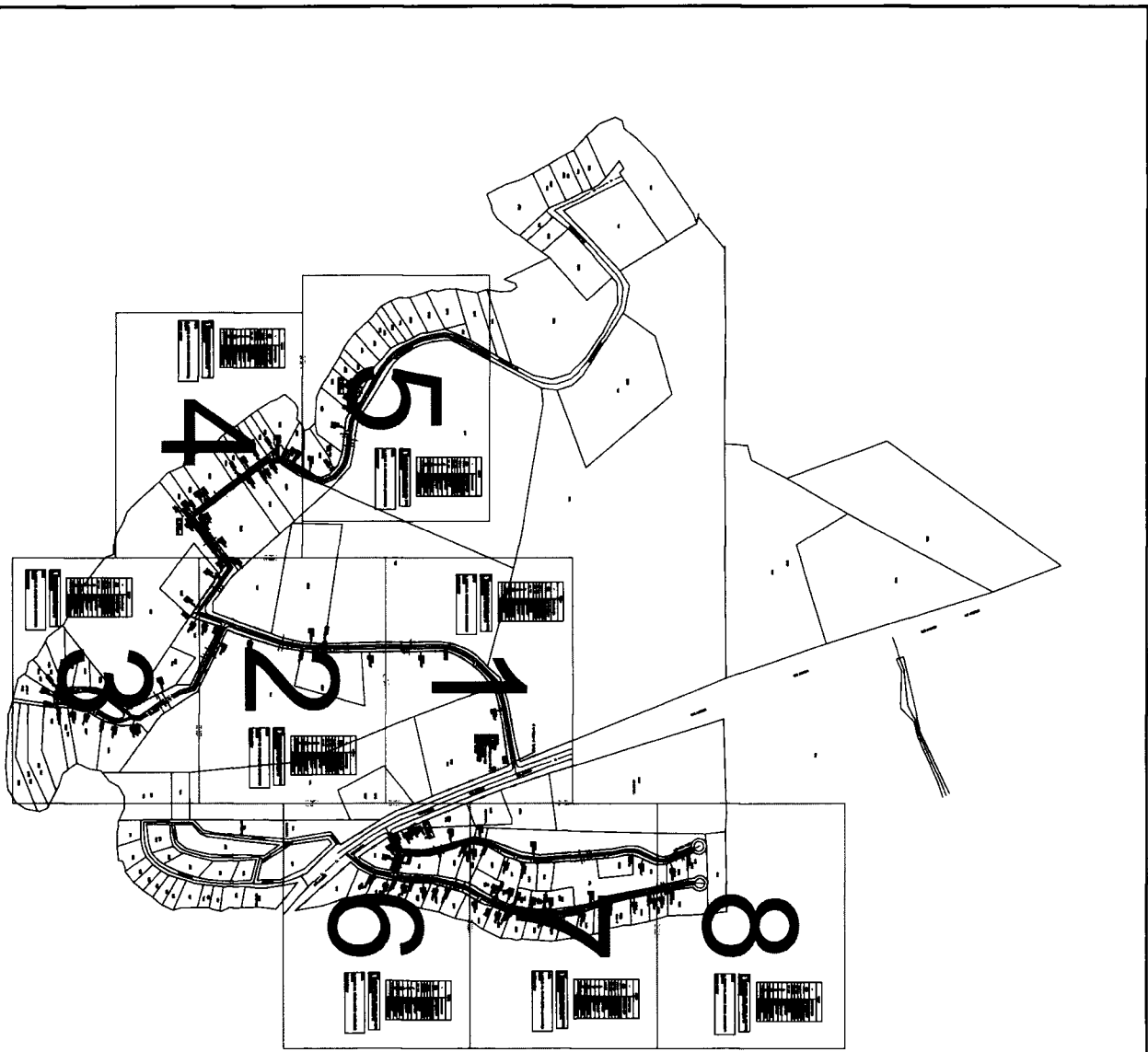
DATE: 12-18-18
FILE: 18-218

Table 1: Suggested Minimum Spacing of Signs

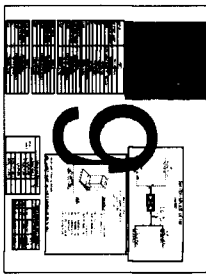
Speed (mph)	Minimum Spacing of Signs (ft)	Minimum Spacing of Signs (ft) - Suggested Spacing (ft)
30	150	120
35	205	160
40	265	200
45	450	320
50	550	400
55	550	400
60	600	450
65	650	500
70	700	550
75	750	600


Table 2: Suggested Minimum Spacing of Signs - Suggested Spacing (ft)

Speed (mph)	Minimum Spacing of Signs (ft)	Suggested Spacing (ft)
30	150	120
35	205	160
40	265	200
45	450	320
50	550	400
55	550	400
60	600	450
65	650	500
70	700	550
75	750	600



H 4002

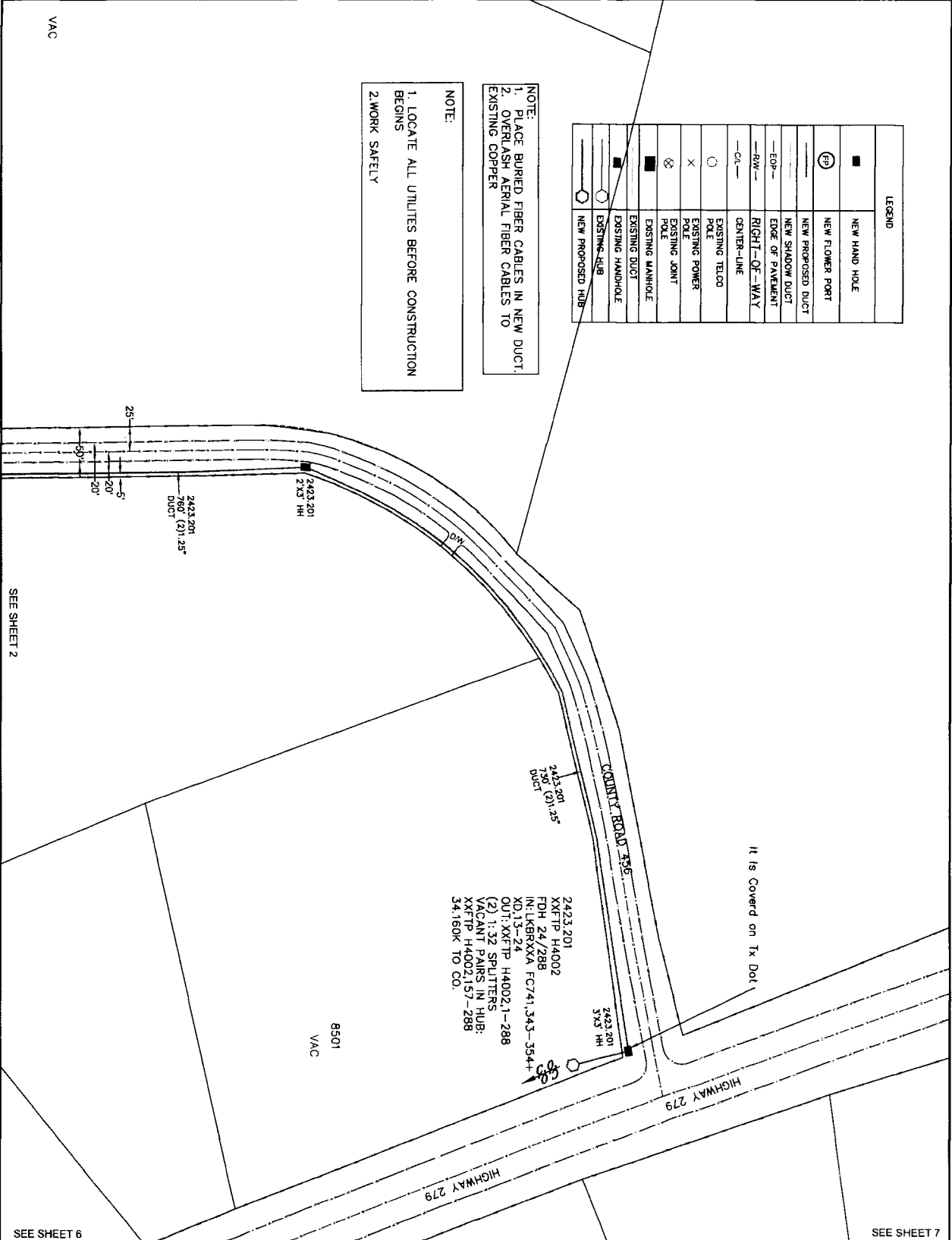


 Frontier COMMUNICATIONS			
LAKE BROWNWOOD HUB H4002 CITY PERMIT			
PROJECT NUMBER	5307238	C.O. AREA	LAKE BROWNWOOD
DRAWN DATE	07/20/2022	EXCH. CODE	70440
ENGINEER	N/A	CNTY.	BROWN
PHONE		FILE	
SCALE	1"=100'	TAX DISTRICT	T0463
		DWG	
		OF	
TWNSHIP		SEC.	
REVISIONS			

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
---	NEW SHADOW DUCT
—EOP—	EDGE OF PAVEMENT
—RW—	RIGHT-OF-WAY
—CL—	CENTER-LINE
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
—	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
1. PLACE BURIED FIBER CABLES IN NEW DUCT.
2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS
2. WORK SAFELY



SEE SHEET 6

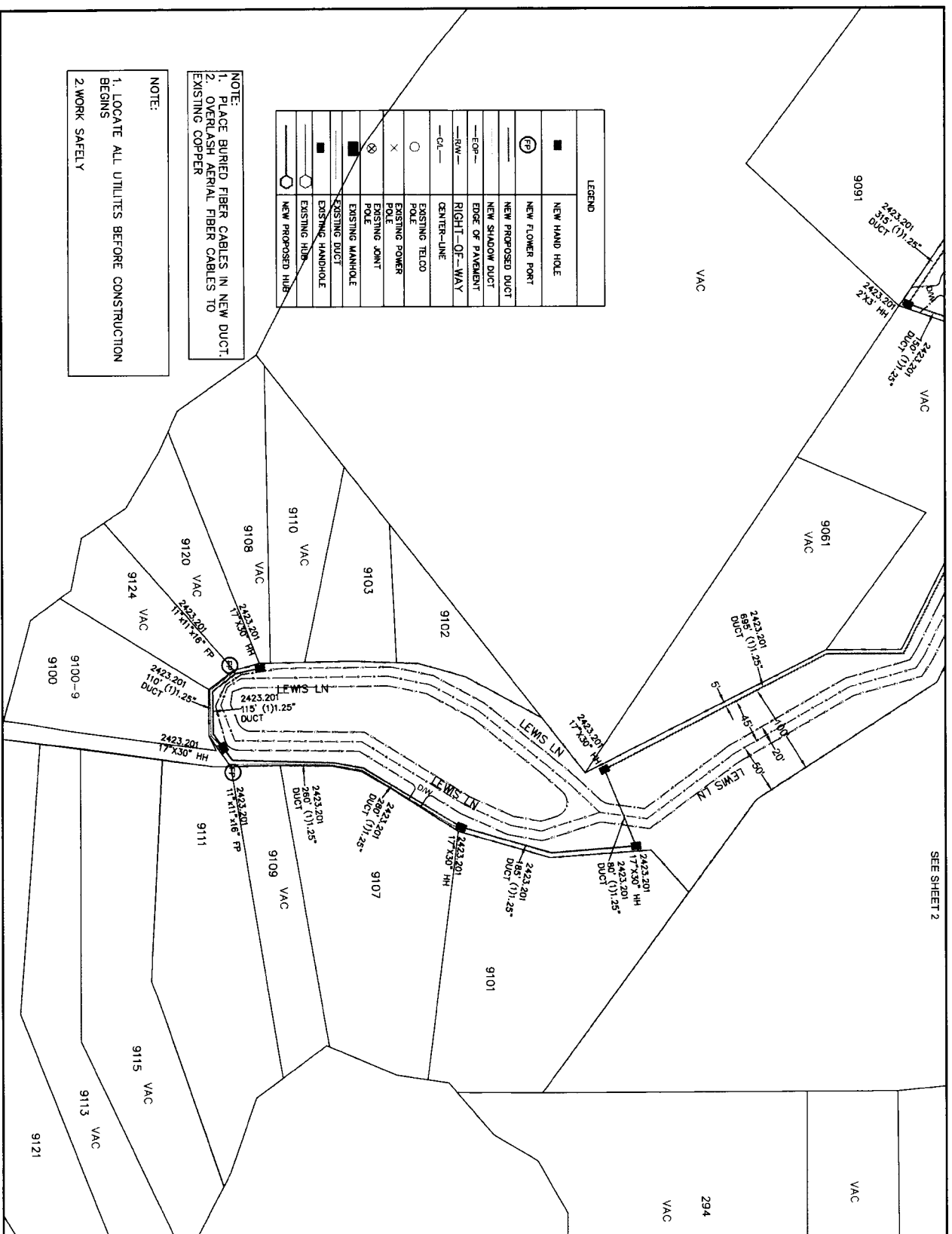
SEE SHEET 7

LAKE BROWNWOOD
HUB H4002 CITY PERMIT

PROJECT: HUB H4002 CITY PERMIT
 NUMBER: 5307238
 DRAWN DATE: 07/20/2022
 SCALE: 1"=100'
 TOWNSHIP: RING

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 CLIENT: BROWN
 FILE: 1 OF 9
 TAX DISTRICT: 10363
 SEC:

NO.	DATE	DESCRIPTION



SEE SHEET 2

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
---	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TIE CO POLE
×	EXISTING POWER POLE
⊗	EXISTING JUNT POLE
⊗	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS
 2. WORK SAFELY

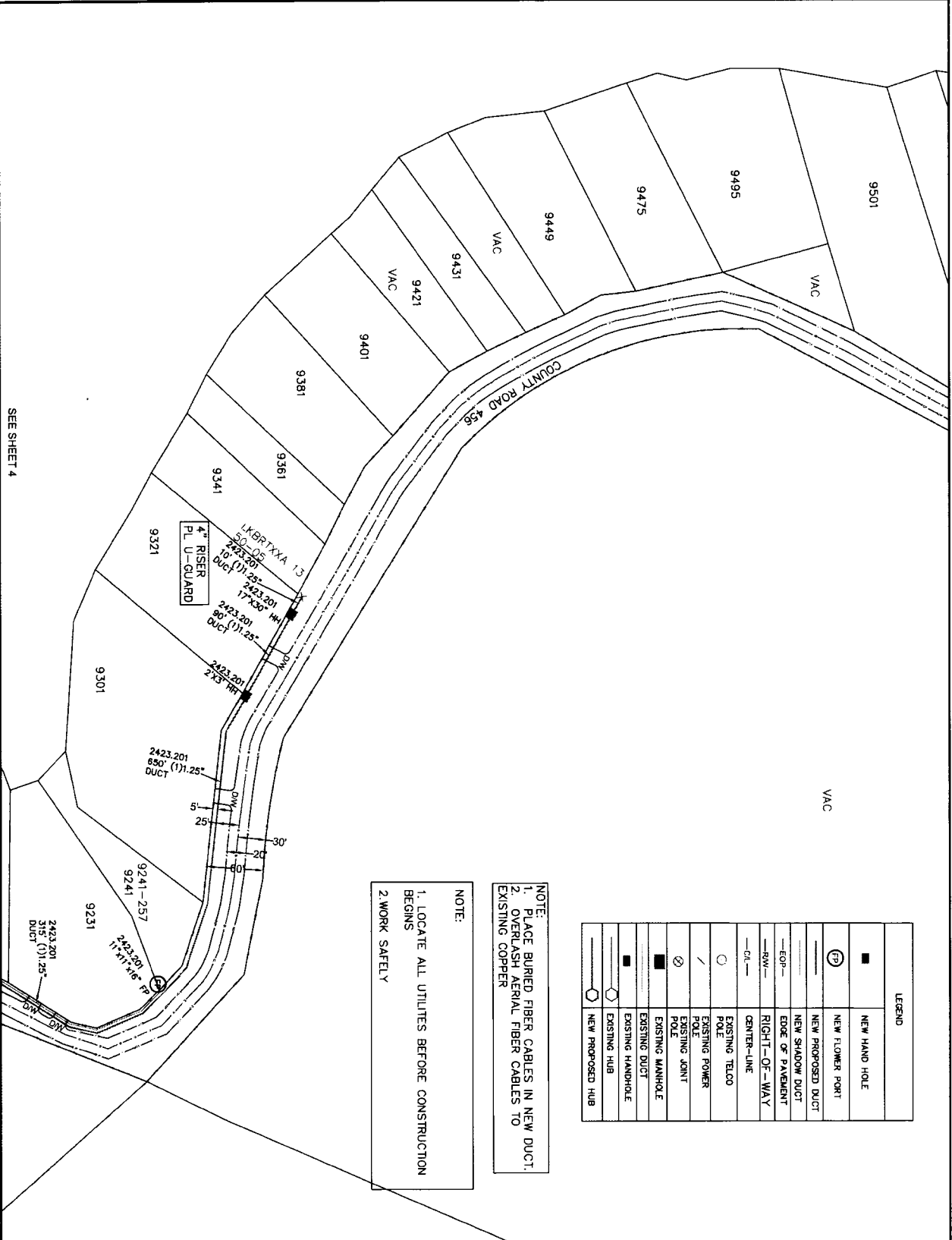
Frontier
COMMUNICATIONS

LAKE BROWNWOOD
HUB HA002 CITY PERMIT

PROJECT NUMBER: 5307238	C.O. AREA: LAKE BROWNWOOD
DRAWN DATE: 07/20/2022	EXCH. CODE: 70440
ENGINEER: BROWN	CNTY.: BROWN
PHONE: N/A	FILE:
TAX DISTRICT: T0363	DWG: 3 OF 9
TWNSHIP: RING	SEC:

REVISIONS

NO.	DESCRIPTION



SEE SHEET 4

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
⊖	NEW PROPOSED DUCT
⊖	NEW SHADOW DUCT
---	EDGE OF PAVEMENT
---	RIGHT-OF-WAY
---	CENTER-LINE
○	EXISTING TELCO POLE
/	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
⬡	EXISTING HUB
⬡	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITES BEFORE CONSTRUCTION BEGINS
 2. WORK SAFELY

Frontier COMMUNICATIONS

LAKE BROWNWOOD

HUB H4002 CITY PERMIT

PROJECT NUMBER: 5307238

C.O. AREA: LAKE BROWNWOOD

EXCH CODE: 7040

DRAWN DATE: ENGR: C/IENT

CNTY: BROWN

07/20/2022 PHONE: N/A

FILE:

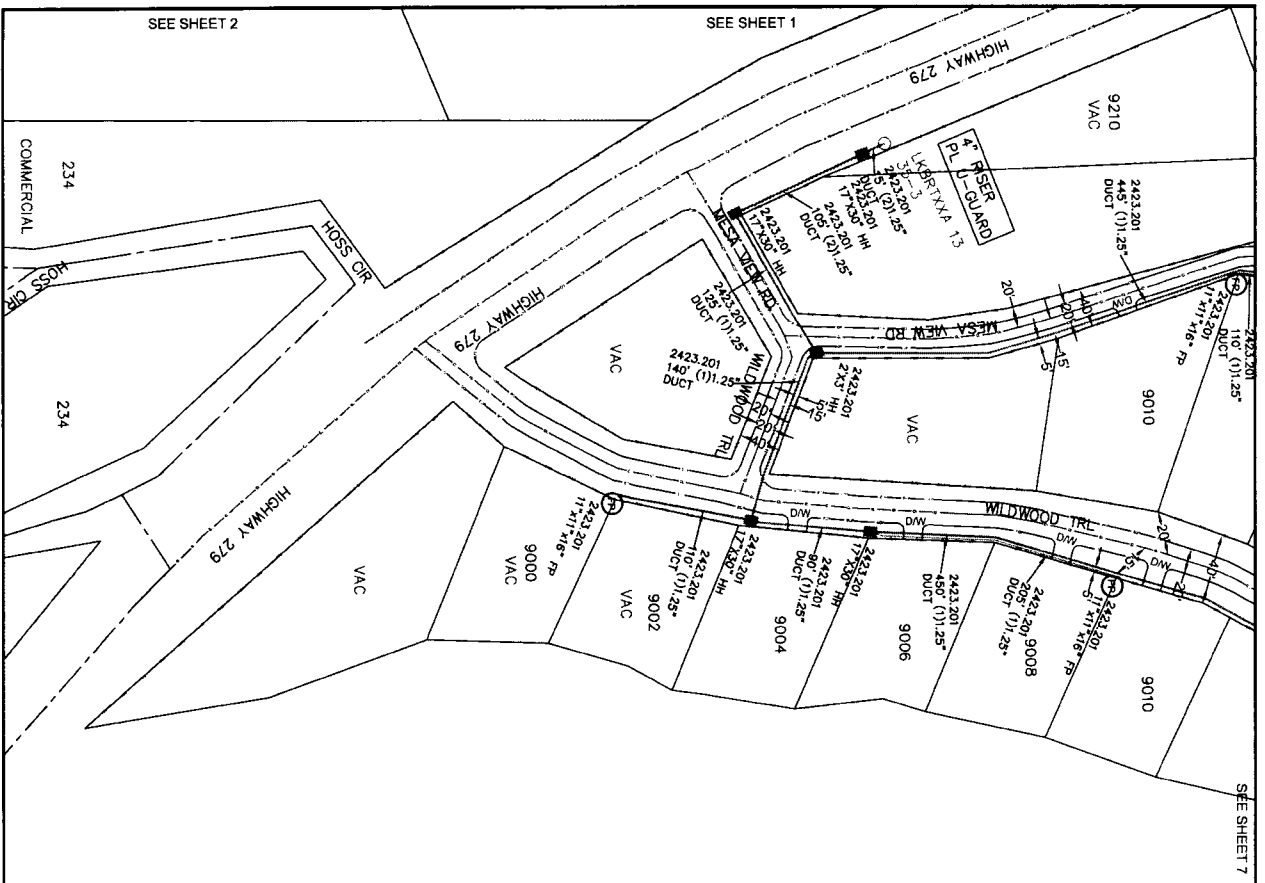
SCALE: 1"=100'

TAX DISTRICT: T083 DWG: 5 OF 9

TWNSHP: RING: SEC:

REVISIONS

NO.	DESCRIPTION




LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
---	NEW SHADOW DUCT
---	EDGE OF PAVEMENT
---	RIGHT-OF-WAY
---	CENTER-LINE
○	EXISTING TELCO POLE
⊗	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
⊗	EXISTING MANHOLE
⊗	EXISTING DUCT
⊗	EXISTING HANDHOLE
⊗	EXISTING HUB
⊗	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS
 2. WORK SAFELY

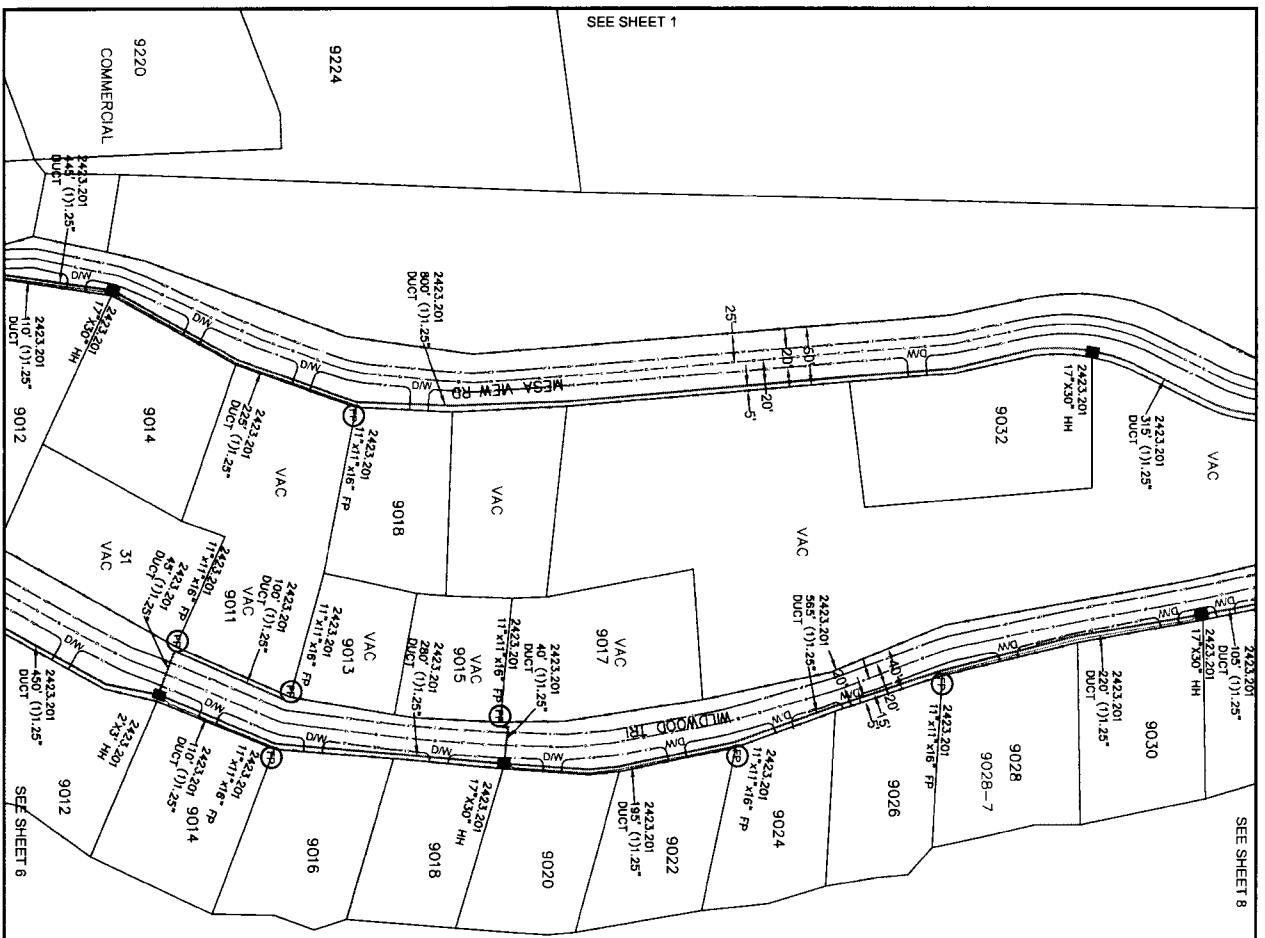
REVISIONS

NO.	DATE	DESCRIPTION



**LAKE BROWNWOOD
 HUB H4002 CITY PERMIT**

PROJECT NUMBER: 5307238	C.O. AREA: LAKE BROWNWOOD
DRAWN DATE: 07/20/2022	ENGR: N/A
SCALE: 1"=100'	TAX DISTRICT: T0963
RNG:	SEC:



SEE SHEET 1

SEE SHEET 8

SEE SHEET 6

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
---	NEW SHADOW DUCT
—EOP—	EDGE OF PAVEMENT
—RW—	RIGHT-OF-WAY
—CL—	CENTER-LINE
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	EXISTING JOINT
■	EXISTING MANHOLE
—	EXISTING DUCT
○	EXISTING HUB
⊕	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS
 2. WORK SAFELY

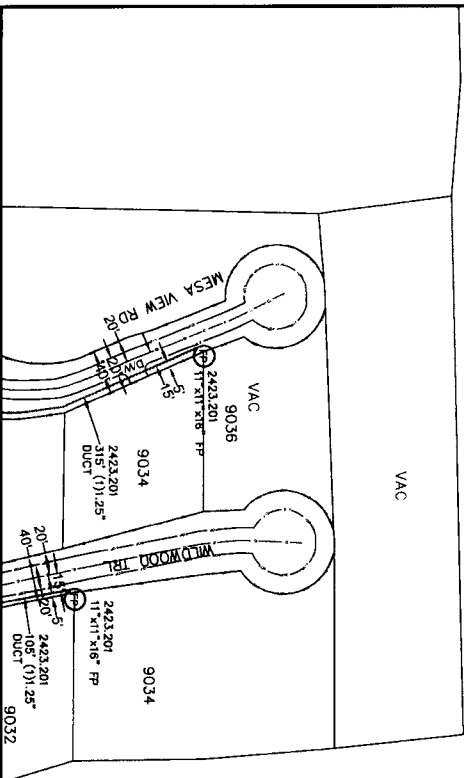
Frontier COMMUNICATIONS

LAKE BROWNWOOD
 HUB H4002 CITY PERMIT

PROJECT NUMBER: 5307238
 DRAWN DATE: 07/20/2022
 SCALE: 1"=100'

C.O. AREA: LAKE BROWNWOOD
 EXCH. CODE: 70440
 CLIENT: BROWN
 COUNTY: BROWN
 PHONE: N/A
 TAX DISTRICT: T0863
 FILE: DWG
 SHEET: 7 OF 9
 TWSNRP: RING SEC.

NO.	DESCRIPTION	DATE




SEE SHEET 7

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
---	NEW PROPOSED DUCT
---	NEW SHADOW DUCT
---EOP---	EDGE OF PAVEMENT
---RW---	RIGHT-OF-WAY
---CL---	CENTER-LINE
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	POSTING JOINT POLE
■	EXISTING MANHOLE
---	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

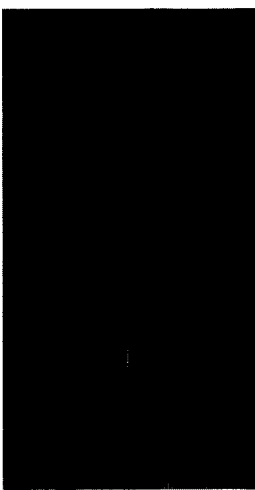
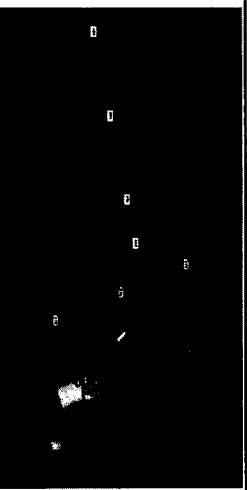
NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS
 2. WORK SAFELY

 Frontier COMMUNICATIONS	
LAKE BROWNWOOD HUB H4002 CITY PERMIT	
PROJECT NUMBER: 5307238	C.O. AREA: LAKE BROWNWOOD
DRAWN DATE: ENGR: N/A	EXCH CODE: 7040
07/20/2022	CLIENT: BROWN
PHONE: N/A	CNTY: BROWN
TAX DISTRICT: T0883	FILE:
SCALE: 1"=100'	DWG: 8 OF 9
TMSNSHP: RING:	SEC:

REVISIONS

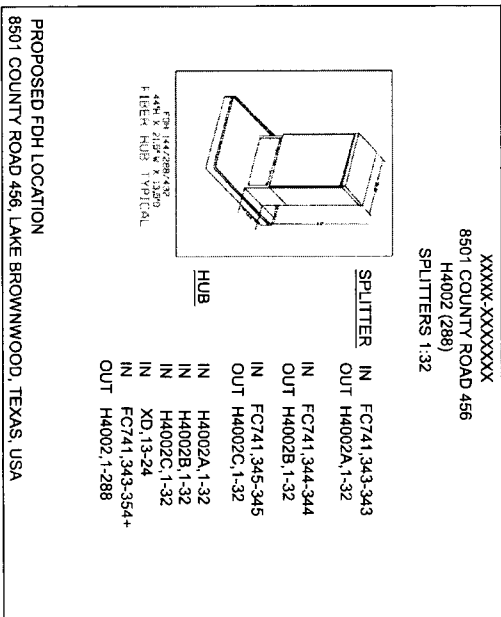
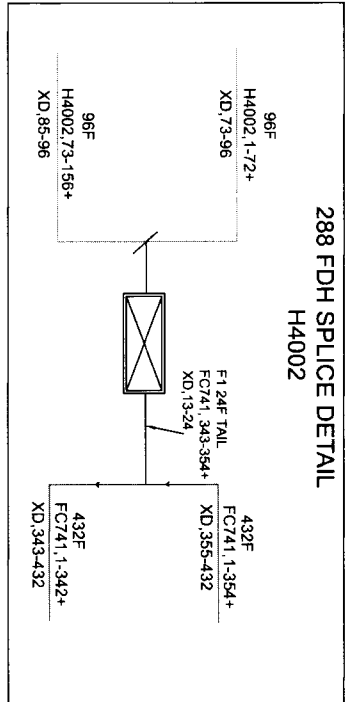
NO.	DESCRIPTION	DATE



HUB ID	H4002
MATERIAL CODE	F3H-1G288UE
MANUFACTURER	COMMSCOPE
TYPE	FDH CABINET 24/288 TYP PAD GEN 3
IN	H4002A,1-32
IN	H4002B,1-32
IN	H4002C,1-32
IN	XD,13-24
IN	FC741,343-354+
OUT	H4002,1-288

SPLITTER ID	H4002B
MATERIAL CODE	FPS-G2LPP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,344-344
OUT	H4002B,1-288

SPLITTER ID	H4002C
MATERIAL CODE	FPS-G2LPP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,345-345
OUT	H4002C,1-288



UNITS ENGINEERED	
LUS/(ACTUAL)	109
LUS/(FUTURE)	
MUS/(ACTUAL)	
MUS/(FUTURE)	
BUS/(ACTUAL)	
BUS/(FUTURE)	

FIBER INFO FOR THE LONGEST FIBER SERVED BY THIS FDH			
FEEDER	DISTRIBUTION	FIBER #	LENGTH
FC741	H4002	343	34.180KFT
		1	5.590KFT
		13	39.866KFT

**LAKE BROWNWOOD
HUB H4002 CITY PERMIT**

PROJECT NUMBER:	5307238	C.O. AREA:	LAKE BROWNWOOD
DRAWN DATE:	07/20/2022	ENGINEER:	CHYENT
PHONE:	N/A	EXCH. CODE:	70440
TAX DISTRICT:	T0363	CNTY.:	BROWN
DWG.:		FILE:	
RNG.:		SEC.:	9 OF 9

REVISIONS	

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 09/08/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried x or aerial x water fiber optic cable _x_ telephone electric gas line within the right-of-way and/or across a county road in Brown County, Texas, as follows:

Precinct # Location: Starting point: 7192 SPORTSMAN DR. This will involve a bore x or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

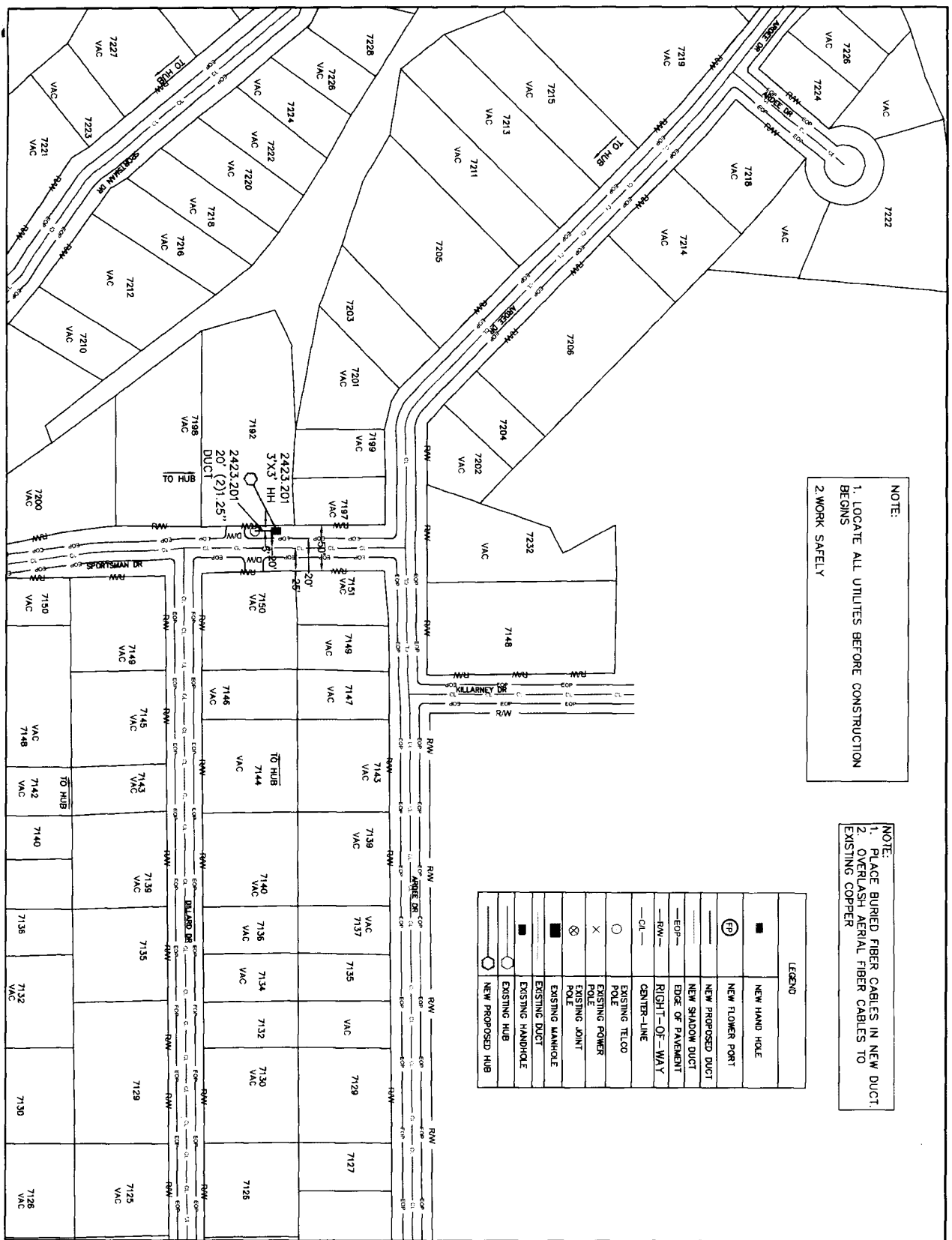
I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 08 day of October, 20 22

county roads/addresses:
All streets on the designs are in Brown county

Ardee
Dillard
Sportsman
Killarney

By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS)
Address CHRISTIAN.REESE@CYIENT.COM
Phone 662.400.9330



NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS
 2. WORK SAFELY

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
- - -	NEW SHADOW DUCT
— —	EDGE OF PAVEMENT
—RW—	RIGHT-OF-WAY
—CL—	CENTER-LINE
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
□	EXISTING DUCT
◻	EXISTING HANDHOLE
◻	EXISTING HUB
◻	NEW PROPOSED HUB

REVISIONS

NO.	DATE	DESCRIPTION

Frontier
COMMUNICATIONS

LAKE BROWNWOOD
 FDH H4010 PERMIT DRAWING

PROJECT NUMBER: 5309433	C/O AREA: LAKE BROWNWOOD
DRAWN/DATE: ENGR: N/A	EXCH. CODE: 7044D
SCALE: 1"=100'	CLIENT: BROWN
TOWNSHIP: RNS	FILE: 1 OF 2
	DWG: 1 OF 2
	SEC: 2

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 09/08/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried x or aerial water fiber optic cable _x_ telephone electric gas line within the right-of-way and/or across a county road in Brown County, Texas, as follows:

Precinct # 4 Location: Starting point: 7144 CLIFDEN DR. This will involve a bore x or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 08 day of October, 20 22

county roads/addresses:
All streets on the designs are in Brown county

*Emerald
Clifden
Kinney
Cashell*

By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS)
Address CHRISTIAN.REESE@CYIENT.COM
Phone 662.400.9330

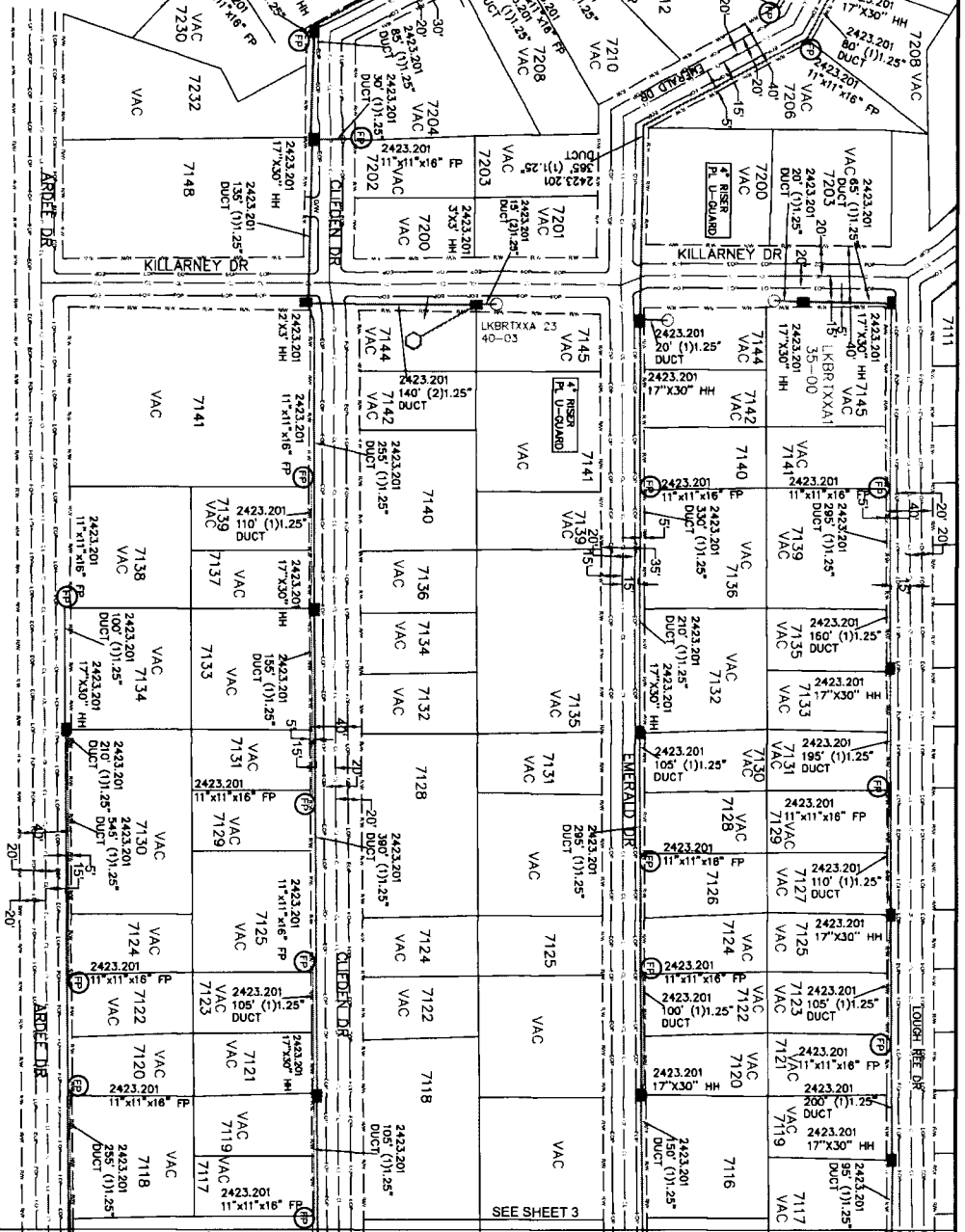
SEE SHEET 2

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
⊖	NEW PROPOSED DUCT
⊗	NEW SHADOW DUCT
⊘	EDGE OF PAVEMENT
⊙	RIGHT-OF-WAY
○	CENTER-LINE
○	EXISTING TIE-LOC
○	EXISTING POLE
○	EXISTING POWER
○	EXISTING JOINT
○	POLE
○	EXISTING MANHOLE
○	EXISTING DUCT
○	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
PLACE BURIED FIBER CABLES IN EXISTING DUCT.

NOTE:
1. LOCATE ALL UTILITIES BEFORE
CONSTRUCTION BEGINS

2. WORK SAFELY



2423.201
GSTP H4011
FDH 24/288
IN: LIBERTY FC741,348-360+
X0.13-24
DU: GSTP H4011-288
(3) 1-32 SPLITTERS
VACANT PARS IN HUB:
GSTP H4011,277-288
38.633X TO CO.

Frontier
COMMUNICATIONS

LAKE BROWNWOOD
LAKE BROWNWOOD

FDH H4011 PERMIT DRAWING

PROJECT NUMBER: 5309434
DRAWN DATE: 09/11/2022
SCALE: 1"=100'

C.O. AREA: LAKE BROWNWOOD
EXCH. CODE: 70440
CLIENT: BROWN
FILE: 1 OF 5
TNSHIP: RING

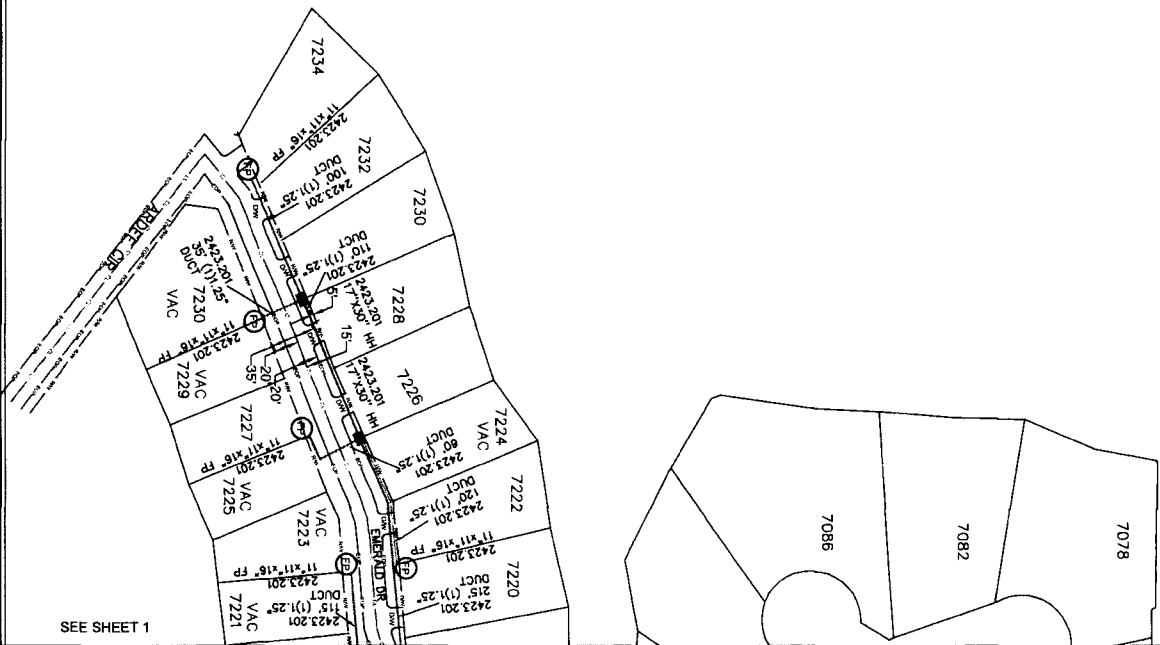
REVISIONS

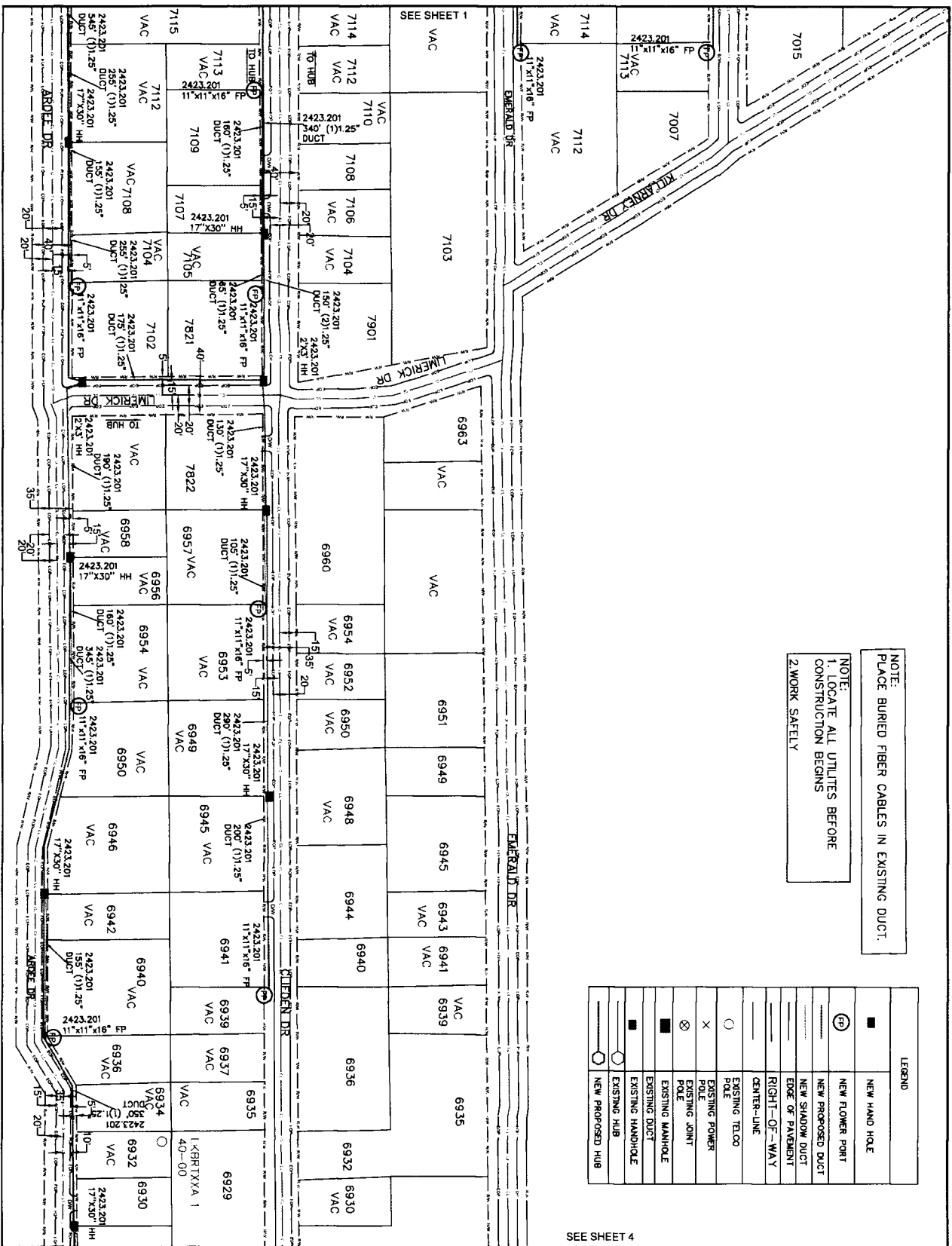
NO.	DESCRIPTION

LEGEND	
■	NEW HAND HOLE
⊕	NEW LOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
PLACE BURIED FIBER CABLES IN EXISTING DUCT.

NOTE:
1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS
2. WORK SAFELY





NOTE:
PLACE BURIED FIBER CABLES IN EXISTING DUCT.

NOTE:
1. LOCATE ALL UTILITIES BEFORE
CONSTRUCTION BEGINS
2. WORK SAFELY

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
○	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TIELO
○	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

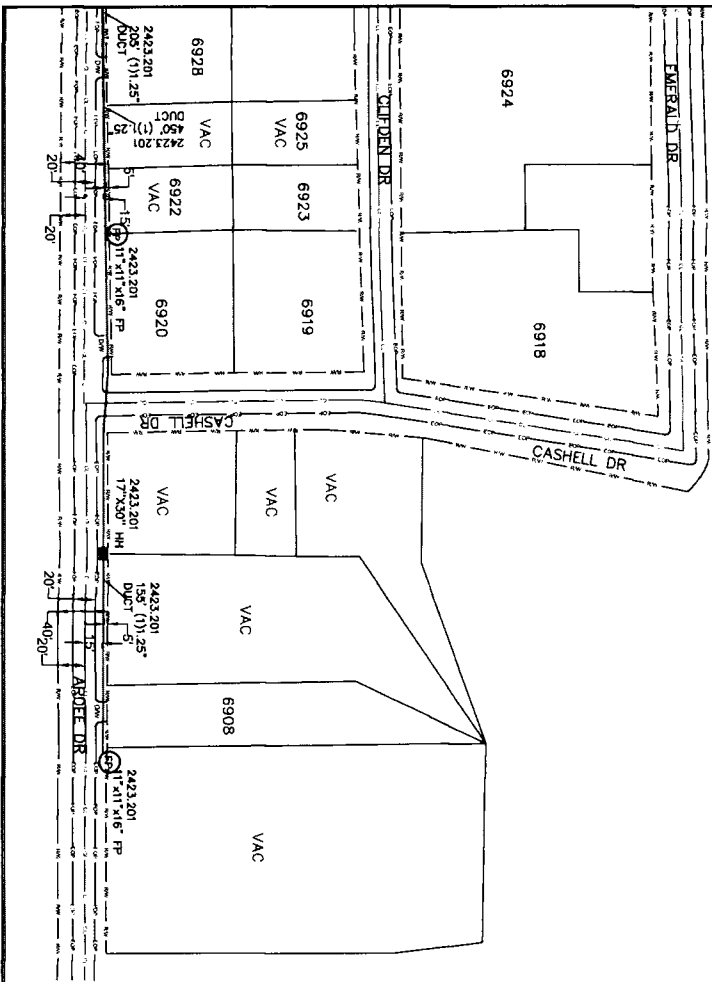
SEE SHEET 4

REVISIONS



LAKE BROWNWOOD
FDH H4011 PERMIT DRAWING

PROJECT NUMBER: 5309434
DATE: ENGR. CIV/ENT
DRAWN: BROWN
SCALE: 1"=100' TAX DISTRICT: 10363 DWG: 3 OF 5
TNSHIP: RNO



LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
○	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TELCO POLE
×	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
PLACE BURIED FIBER CABLES IN EXISTING DUCT.

NOTE:
1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS
2. WORK SAFELY

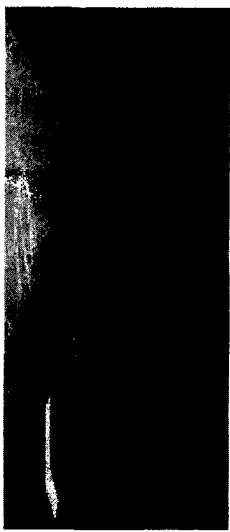
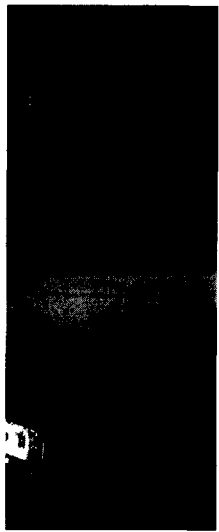
REVISIONS

NO.	DATE	DESCRIPTION



LAKE BROWNWOOD
FDH H4011 PERMIT DRAWING

PROJECT NUMBER: 5309434	C.D. AREA: LAKE BROWNWOOD
DRAWN/DATE: ENGR: N/A	EXCH. CODE: 70440
SCALE: 1"=100'	CNTY: BROWN
TOWNSHIP: RING	FILE: 4 OF 5
TAX DISTRICT: T0483	SEC:

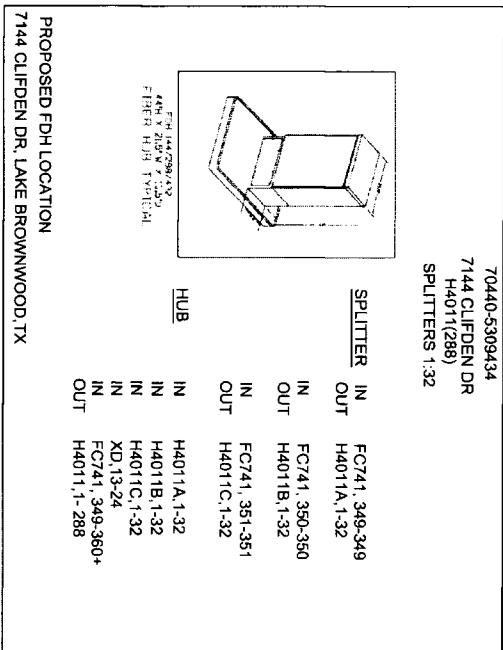
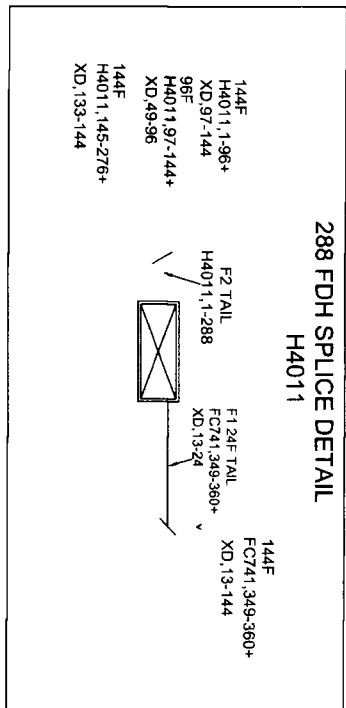


HUB ID	H4011A
MATERIAL CODE	F3H-1G2880E
MANUFACTURER	COMMSCOPE
TYPE	FDH CABINET 24/288TYPE PAD GEN 3
IN	H4011A,1-32
IN	H4011B,1-32
IN	H4011C,1-32
IN	XD,13-24
IN	FC741,349-360+
OUT	H4011,1-288

SPLITTER ID	H4011A
MATERIAL CODE	FPS-G2LP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,349-349
OUT	H4011A,1-32

SPLITTER ID	H4011B
MATERIAL CODE	FPS-G2LP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,360-360
OUT	H4011B,1-32

SPLITTER ID	H4011C
MATERIAL CODE	FPS-G2LP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,351-351
OUT	H4011C,1-32



UNITS ENGINEERED	
LUS(ACTUAL)	288
LUS(FUTURE)	
MUS(ACTUAL)	
MUS(FUTURE)	
BUS(ACTUAL)	
BUS(FUTURE)	

FDH H4011

FIBER INFO FOR THE LONGEST FIBER SERVED BY THIS FDH			
CABLE #	FEEDER	DISTRIBUTION	TOTAL OF FEEDER & DISTRIBUTION
349	FC741	H4011	11
FIBER #	349	1	
SPLICERS	7	4	
LENGTH	38.53KFT	1.977KFT	40.509KFT

Frontier COMMUNICATIONS

LAKE BROWNWOOD

FDH H4011 PERMIT DRAWING

PROJECT NUMBER	5309434	C.O. AREA	LAKE BROWNWOOD
DRAWN DATE/ENGR	08/11/2022	CLIENT	LAKE BROWNWOOD
PHONE	N/A	EXCH. CODE	70440
TAX DISTRICT	10483	FILE	BROWN
RNGS		SCALE	5 OF 5
SEC			

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

APPLICATION TO INSTALL PRIVATE LINE

DATE: 09/08/22

TO THE COMMISSIONERS COURT OF BROWN COUNTY,

Application is hereby made by FRONTIER COMMUNICATIONS to install a buried x or aerial x water fiber optic cable x telephone electric gas line within the right-of-way and/or across a county road in Brown County,

Texas, as follows:

Precinct # Location: Starting point: 7101 BRAY DR. This will involve a bore x or cut .

The location and description of the proposed line and associated appurtenances is more fully shown by the plat of such line attached to this application. The line will be constructed and maintained on the County right-of-way in accordance with governing laws. And installed at a depth of 24" to 30" below the lowest level of the bar ditch.

The applicant agrees to remove or relocate such fixtures at his own expense so as to permit the widening or changing of traffic lanes or reconstruction of the roadbed. Such removal or relocation shall be within 30 days of written notice specifying the fixtures to be moved and indicate the place on the roadway to which they shall be replaced.

Notwithstanding any other provision contained herein, it is expressly understood that tender of this notice by the undersigned does not constitute a waiver, surrender, abandonment or impairment of any property rights, franchise, easement, license, authority, permission, privilege or right now granted by law or may be granted in the future and any provision of provisions so construed shall be null and void.

The Commissioner of the above precinct will be notified of the time and date of installation at least 24 hours in advance.

This permit will become null and void if work is not completed within 90 days from date of acceptance by the Brown County Commissioners Court.

I certify that the above-proposed installation will not impair or harm the ingress and egress of adjacent landowners.

Construction of this line will begin on or after the 08 day of October, 20 22

county roads/addresses:
All streets on the designs are in Brown county

By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS)
Address CHRISTIAN.REESE@CYIENT.COM
Phone 662.400.9330

includes

Patricia

- Ennis
- Waterford
- Ballycastle
- Verde
- Limerick
- Monaghan
- Hammer

SUBMITTED BY CYIENT ON BEHALF OF FRONTIER COMMUNICATIONS
FRONTIER CONTACT: DARRIN ALBRECHT, DARRIN.L.ALBRECHT@FTR.COM, 281.229.0849

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DATE: 09/08/22

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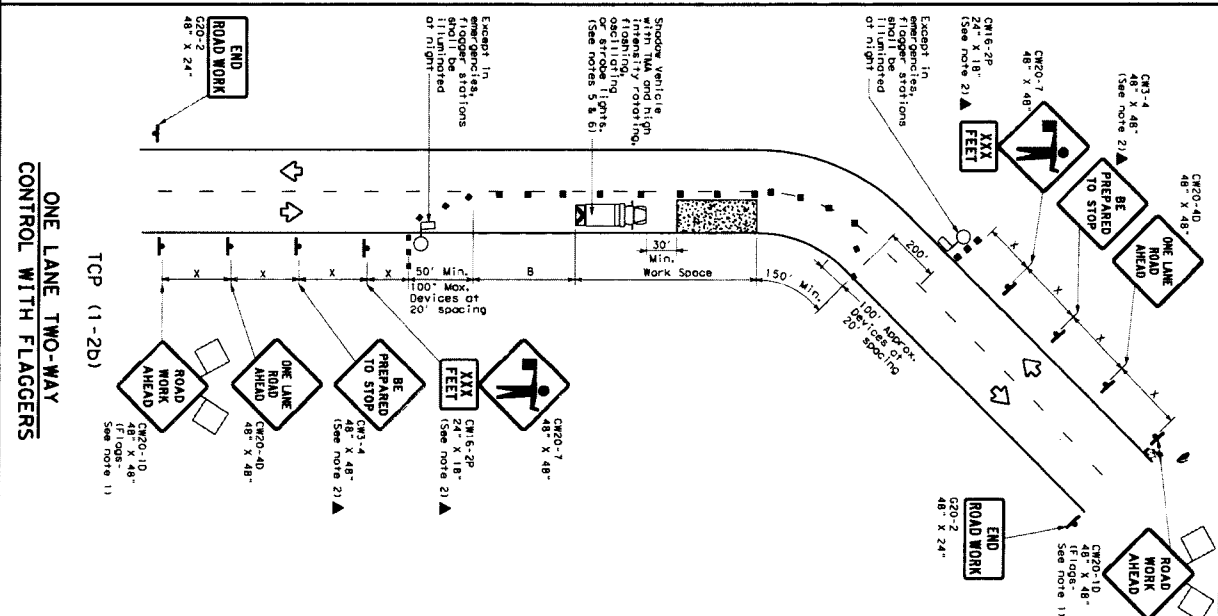
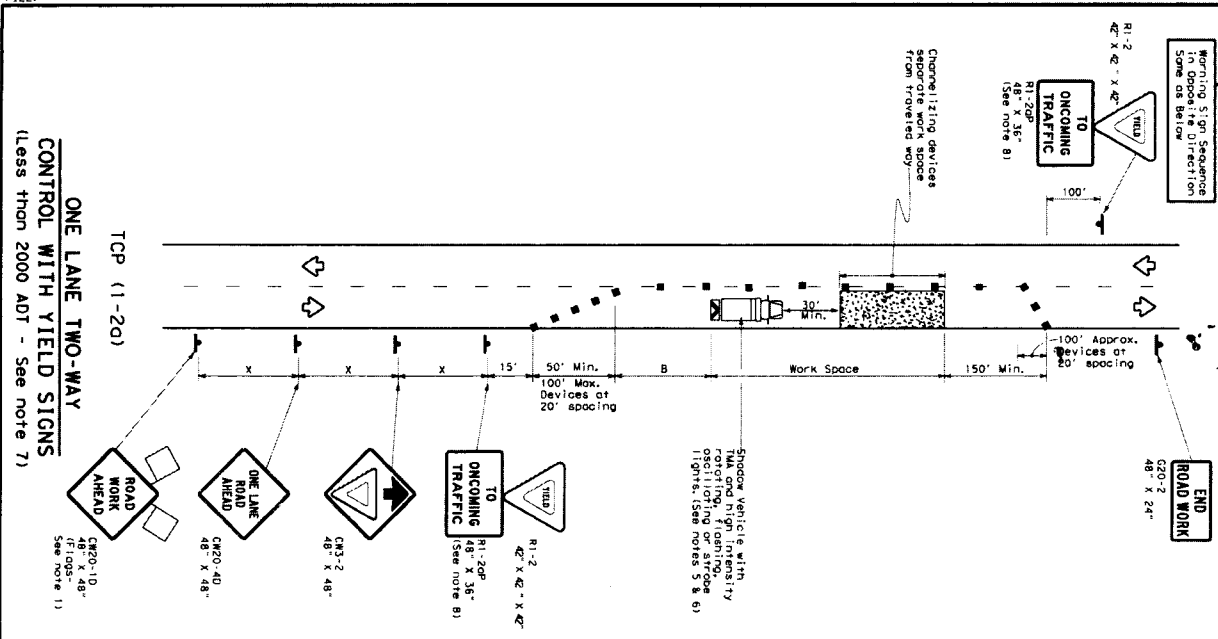
county roads/addresses:
All streets on the designs are in Brown county

** Not ALL are County maintained **

By CHRISTIAN REESE (ON BEHALF OF FRONTIER COMMUNICATIONS
Address CHRISTIAN.REESE@CYIENT.COM
Phone 662.400.9330

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DATE: _____
FILE: _____



LEGEND	
	Type 3 Barricade
	Truck Mounted Attenuator (TMA)
	Portable Changeable Message Sign (PCMS)
	Flagger
	Traffic Flow

Posted Speed	Minimum	Suggested Minimum	Minimum	Suggested Minimum
Formula	Formula	Formula	Formula	Formula
30	10'	10'	10'	10'
35	11'	12'	11'	12'
40	12'	13'	12'	13'
45	13'	14'	13'	14'
50	14'	15'	14'	15'
55	15'	16'	15'	16'
60	16'	17'	16'	17'
65	17'	18'	17'	18'
70	18'	19'	18'	19'
75	19'	20'	19'	20'

MOBILE	SMALL	INTERMEDIATE	LONG TERM
DURATION	STATIONARY	STATIONARY	STATIONARY
✓	✓	✓	✓

GENERAL NOTES

- Flagger should be used where a sign is required.
- Triangle symbol may be omitted when stored elsewhere in the plow, or for routine maintenance work, when approved by the Engineer.
- THE 'BE PREPARED TO STOP' sign may be installed in the plow, or for routine maintenance work, when approved by the Engineer.
- Sign spacing should be based on the posted speed. The 'BE PREPARED TO STOP' sign may be used if advance warning speed of the flagger or 'R-2' YIELD sign is less than 100 feet in advance of the work zone. The 'BE PREPARED TO STOP' sign may be used in advance of the work zone if the flagger or 'R-2' YIELD sign is less than 100 feet in advance of the work zone. The 'BE PREPARED TO STOP' sign may be used in advance of the work zone if the flagger or 'R-2' YIELD sign is less than 100 feet in advance of the work zone.
- Additional shadow vehicles with TMA may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-20)

- 'R-2' YIELD sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 1000 feet.
- 'R-2' YIELD sign with 'R-2P' 10' OBLIQUE TRAFFIC PLaque shall be placed on a support of a 7 foot minimum mounting height.

TCP (1-21)

- Flaggers should use hand signals or other methods of communication to control traffic.
- Length of work space should be based on the ability of flagger to control traffic.
- If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see note above).
- Flaggers should be positioned in the center of the work space.
- Traffic end approved by the Engineer. The sign may be omitted when a pilot car is leading.
- Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

Texas Department of Transportation

Traffic Control Plan

ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP (1-2)-18

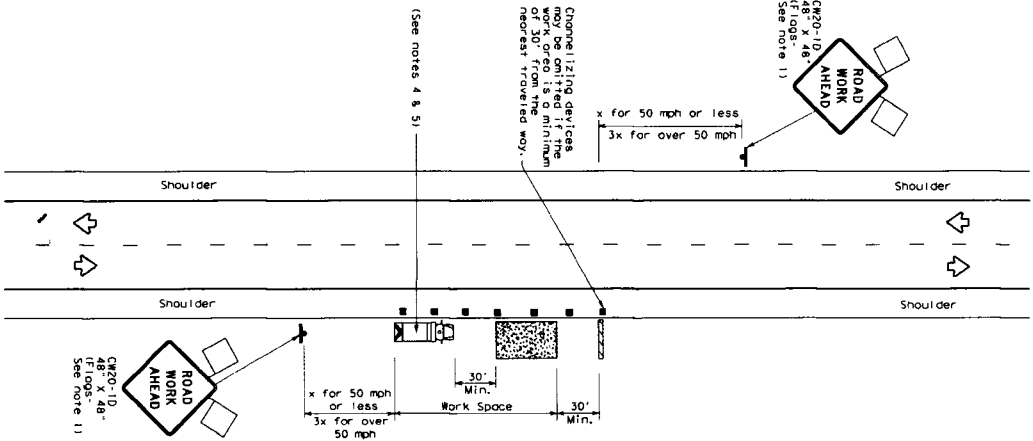
DATE: 12/21/18
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DESIGNED BY: [Name]
 APPROVED BY: [Name]

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:

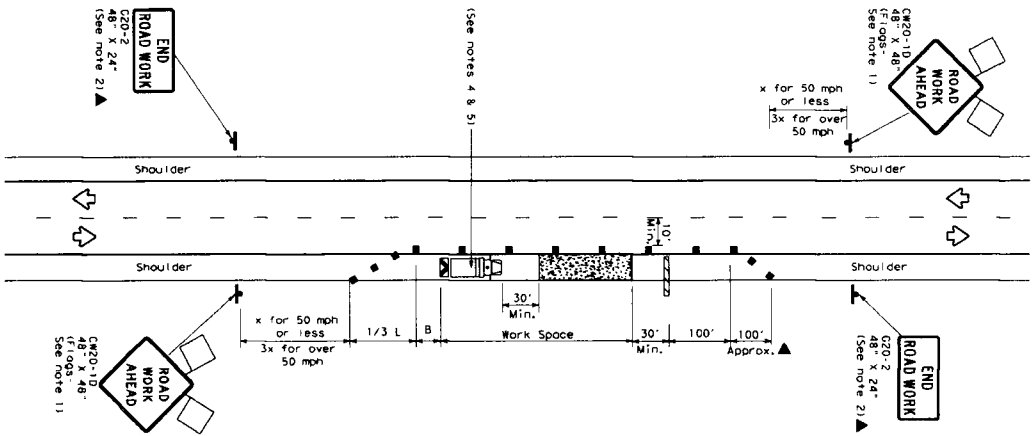
WORK SPACE NEAR SHOULDER
Conventional Roads

TCP (2-1a)



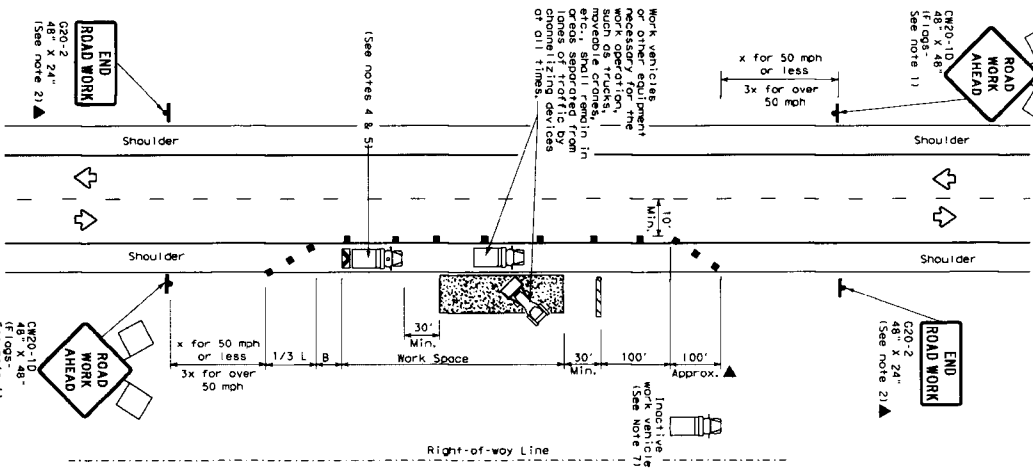
WORK SPACE ON SHOULDER
Conventional Roads

TCP (2-1b)



WORK VEHICLES ON SHOULDER
Conventional Roads

TCP (2-1c)



Right-of-way Line

LEGEND

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

Proposed Speed	Formula	Minimum Taper Length	Suggested Spacing of Channelizing	Minimum Spacing of Channelizing	Suggested Longitudinal Buffer Spacing
10	1.07 x L	12'	6'	120'	90'
15	1.50 x L	17'	6'	120'	90'
20	2.05 x L	22'	35'	70'	120'
25	2.65 x L	27'	40'	80'	120'
30	3.25 x L	32'	45'	90'	120'
35	3.85 x L	37'	50'	100'	120'
40	4.50 x L	42'	55'	110'	120'
45	5.15 x L	47'	60'	120'	120'
50	5.80 x L	52'	65'	130'	120'
55	6.45 x L	57'	70'	140'	120'
60	7.10 x L	62'	75'	150'	120'
65	7.75 x L	67'	80'	160'	120'
70	8.40 x L	72'	85'	170'	120'
75	9.05 x L	77'	90'	180'	120'

TYPICAL USAGE

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

- GENERAL NOTES**
- Flags attached to signs where shown, are REQUIRED.
 - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored in the plant, or for routine maintenance work, when approved by the Engineer.
 - Stockpile material should be placed a minimum of 30 feet from the work area.
 - Storage vehicles, MA and high intensity rotating, flashing, oscillating or strobe lights, a shadow vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the work area.
 - Signs and other equipment should be positioned off the paved surface, next to those shown in order to protect a wider work space. See TCR(5-11) for shoulder work on divided highways, expressways and additional shadow vehicles with TMA's may be positioned off the paved surface.
 - Flags, signs, vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
 - CR21-5 "SHOULDER WORK" signs may be used in place of CR21-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

Texas Department of Transportation

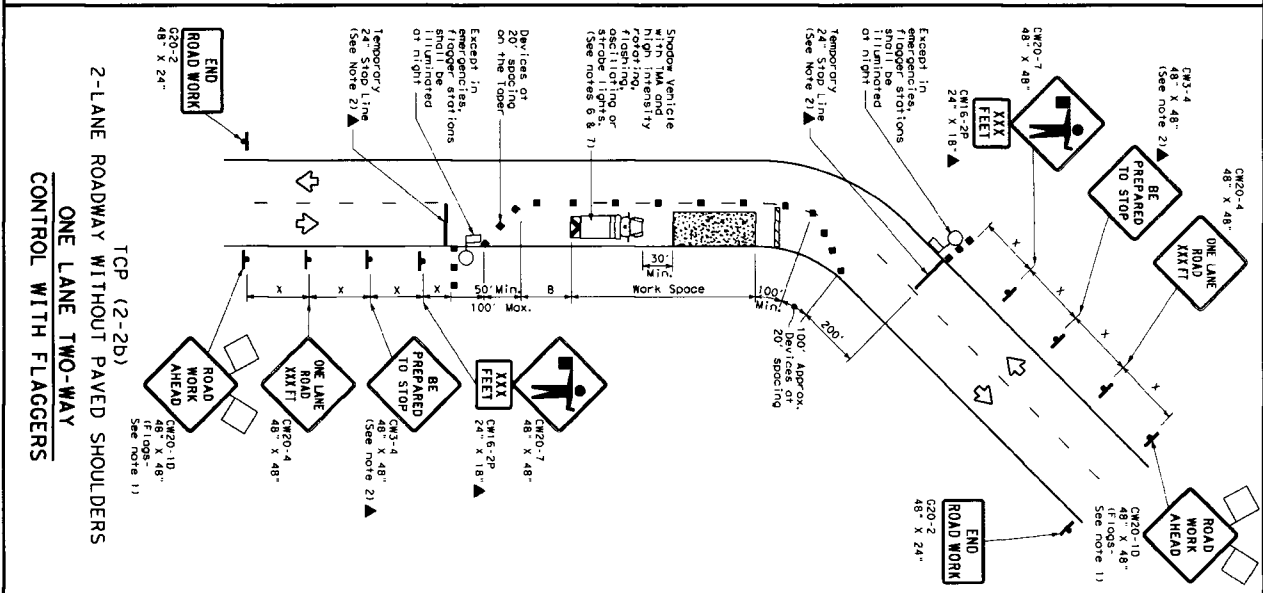
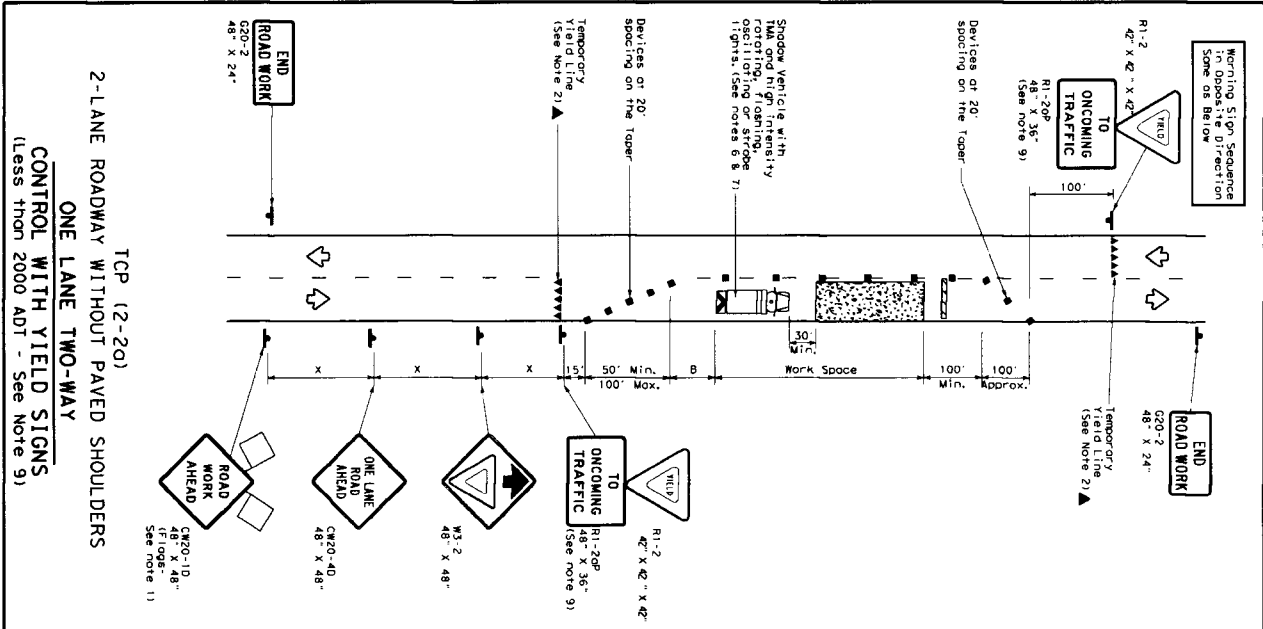
TRAFFIC CONTROL PLAN
CONVENTIONAL ROAD
SHOULDER WORK

TCP(2-1)-18

DATE	10/18/00	PROJECT	1385
BY	4/8/00	SCALE	AS SHOWN
CHECKED	2/12	DATE	10/18/00
APP'D	2/18	SCALE	AS SHOWN

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DATE: FILE:



LEGEND

	Type 3 Barrier		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flagger		Portable Changeable Message Sign (PCMS)
	Flagger		Traffic Flow

GENERAL NOTES

1. FLAGS ATTACHED TO SIGNS where shown, are REQUIRED, except those attached with the triangle symbol.
2. ALL SIGNS shall be installed and maintained in accordance with the specifications of the Manual for Uniform Traffic Control Devices (MUTCD) and the Texas Manual on Traffic Control.
3. THE "BE PREPARED TO STOP" sign may be installed after the C820-4 "ONE LANE ROAD WORK AHEAD" sign, but proper sign spacing shall be maintained.
4. THE "XXX FEET" sign shall be used to indicate the distance to the stop line. The sign shall be positioned 20 to 100 feet in advance of the grade 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 "XXX FEET" sign.
5. ADDITIONAL STOPPING SIGNS shall be positioned at the point surface, next to those shown in order to protect a wider work space.

TYPICAL USAGE

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

TCP (2-20)

10. Channelizing devices on the center line may be omitted when a 5' or 15' leading traffic end is used.

11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain stopping sign distance to the flagger and a camera of stopped vehicles. (See table above).

12. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

TCP (2-2b)

10. Channelizing devices on the center line may be omitted when a 5' or 15' leading traffic end is used.

11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain stopping sign distance to the flagger and a camera of stopped vehicles. (See table above).

12. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

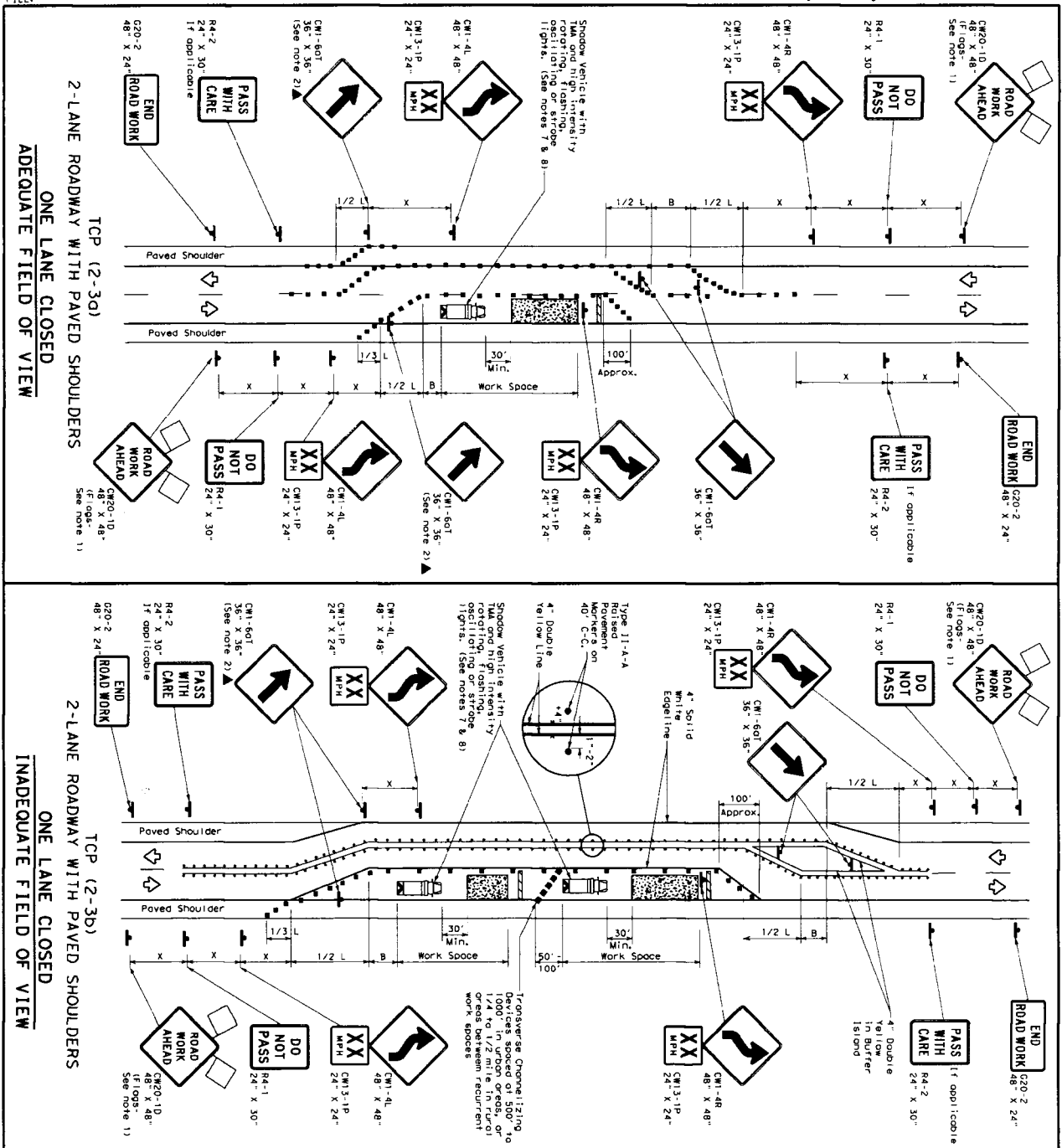
TCP (2-2) - 18

Texas Department of Transportation
Traffic Control Division
Standard

DATE	2022.11.18	BY	...
DESIGNED	...	CHECKED	...
DRAWN	...	APPROVED	...

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DATE: FILE:



LEGEND		Channelizing Devices	
	Type 3 Barricade		Traffic Barricade
	Heavy Work Vehicle		Traffic Barricade with Arrow
	Flashing Arrow Board		Raised Speed Limit
	Sign		Movers to TLA
	Frog		Traffic Flow
	Frog		Frogger

Posterior Speed *	Minimum Diameter	Spacing of Spacing	Minimum Spacing	Suggested Spacing
10	10"	12"	60'	120'
15	12"	12"	60'	120'
20	15"	18"	60'	120'
30	150	165	180	30'
35	MS	205	225	245
40	60	265	295	320
45	450	495	540	45
50	500	550	600	50
55	550	605	660	55
60	600	660	720	60
65	650	715	780	65
70	700	770	840	70
75	750	825	900	75
80				80
85				85
90				90
95				95
100				100

* Conventional Roads Only
 ** Tower lengths have been rounded off.
 L=Length of Tower (ft) W=Width of Object (ft) S=Posted Speed (mph)

TYPICAL USAGE			
MOBILE	SHORT TERM	INTERMEDIATE TERM	LONG TERM
ROADWAY	STATIONARY	STATIONARY	STATIONARY
			TYPE-3 ONLY

GENERAL NOTES

1. FROGS ordered to signs were shown, are required.
2. If a frog is used, it should be placed in the center of the lane, and the frog should be placed in the center of the lane.
3. When work space will be in place less than three days existing pavement markings may remain in place. Channelizing devices should be used to separate traffic.
4. Traffic control should NOT be used unless together with other traffic control devices.
5. The R4-1 "DO NOT PASS" - R4-2 "PASS WITH CARE" and construction regulatory speed zone signs may be installed with O20-10 "ROAD WORK AHEAD" signs. Proper spacing of signs should be maintained.
6. A Speed Vehicle with a TLM should be used on the project.
7. A Speed Vehicle with a TLM should be used on the project.
8. 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.
9. The work space should be marked with cones or other devices placed next to those signs in order to protect a wider work space.

TCP (2-30)

3. Conflicting government markings shall be removed for long-term projects. For shorter durations where traffic is directed over or off the centerline, cones or 20" or 15" if posted speeds are 35 mph or slower and for tangent sections, at 1/2(S) where S is the speed in mph. This lighter device spacing is intended for the area of the conflicting markings, not the entire work zone.

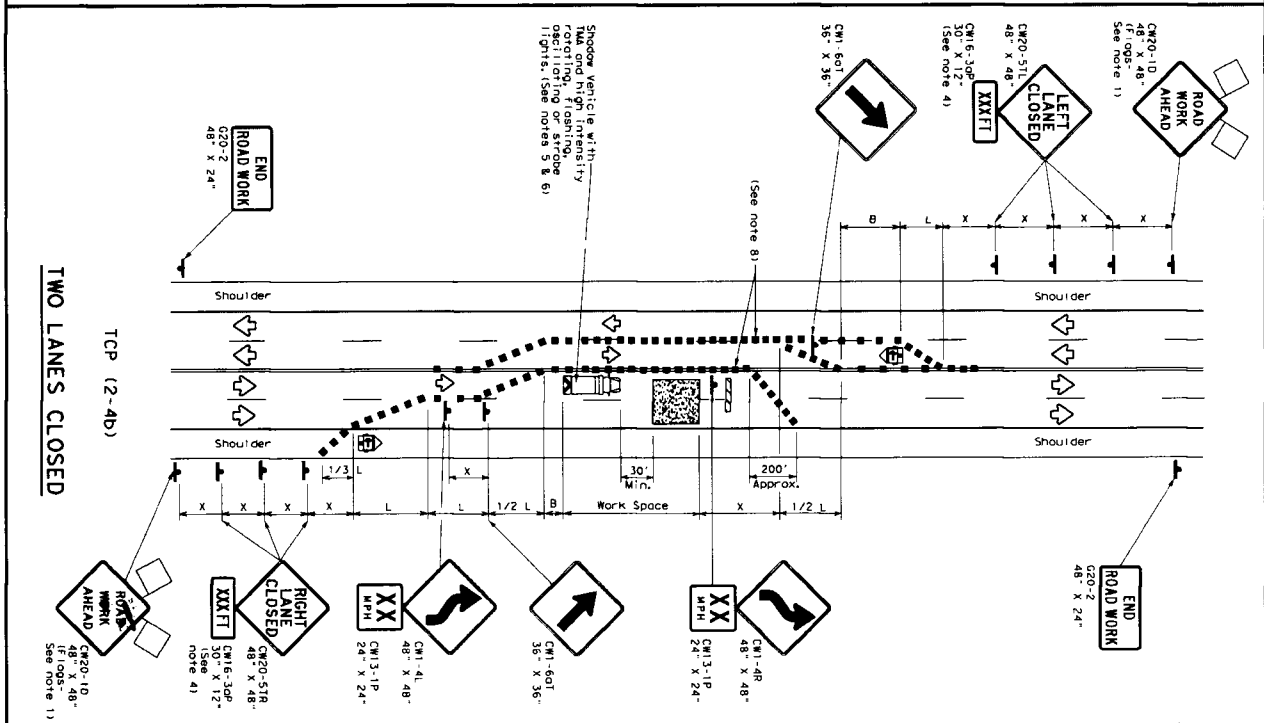
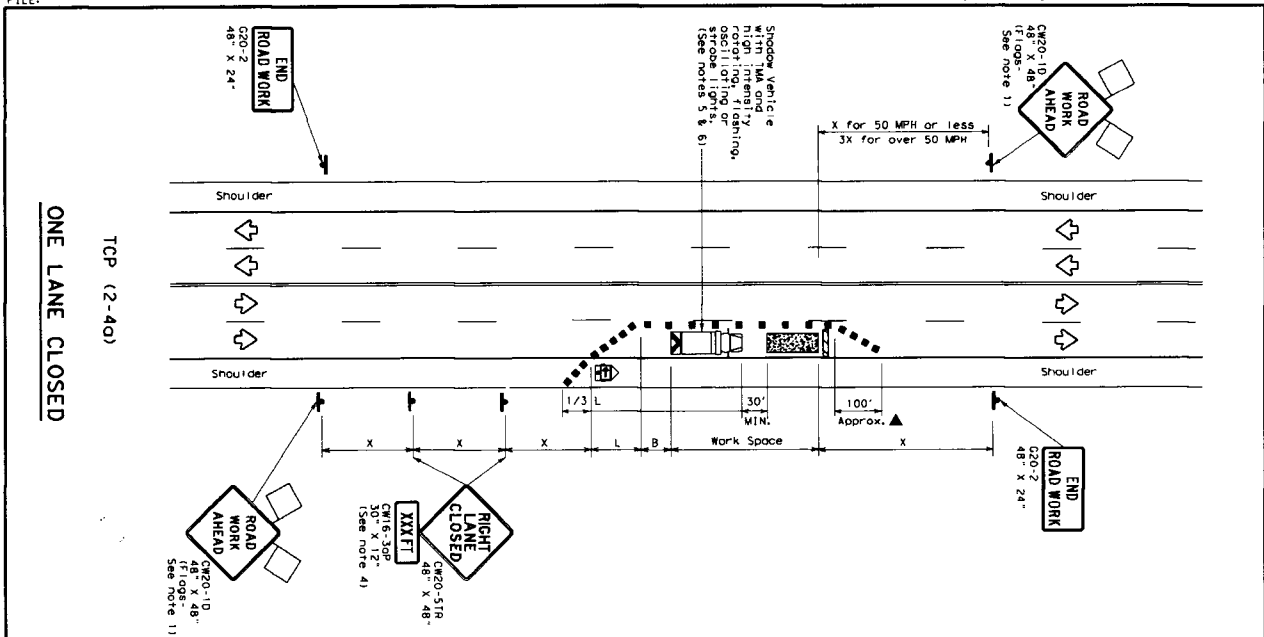
Texas Department of Transportation
TRAFFIC CONTROL PLAN
TRAFFIC SHIFTS ON
TWO-LANE ROADS

TCP (2-3) - 18

FILE	NO. OF SHIFTS	DATE	TIME	LOCATION	PROJECT
8-95-1-01	1	NOV 21 11:18 AM '95	08:00	FM 100	HOUSTON
1-91-2-12	1	APR 21 11:18 AM '91	08:00	FM 100	HOUSTON
1-98-2-18	1	APR 21 11:18 AM '98	08:00	FM 100	HOUSTON

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DATE: FILE:



LEGEND

██████	Type 3 Barricade	■	Channelizing Devices
▢	Heavy Work Vehicle	▣	Truck Mounted Attenuator (TMA)
▢	Trolley Mounted Flashing Arrow Board	▣	Portable Changeable Message Sign (PCMS)
▢	Sign	↔	Traffic flow
▢	Flagger	↔	Flagger

GENERAL NOTES

- Flags attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those omitted or for "optional" applications, when approved by the Engineer.
- The downstream taper is optional, when used, it should be 100 feet minimum length per lane.
- For short term applications, when post mounted signs are not used, the distance legend may be shown on the sign face rather than on a CMI-3AP supplement.
- A Snow 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 work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Snow Vehicle.
- Mobile Snow Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.

TCP (2-4a)

- If this sign is used for a left lane closure, C820-51L (LEFT LANE CLOSED) signs shall be used and channelizing devices shall be placed on the shoulder to protect the work space from opposing traffic with the arrow board placed in the closed lane near the end of the taper.

TCP (2-4b)

- For shorter duration work traffic is directed over a yellow centerline channelizing device which separates heavy traffic should be placed on top of a 20' or 15' if posted speeds are 35 mph or slower, and for longer sections, at 1/2S where S is the speed in mph. This tighter device spacing is intended for the area of conflicting markings, not the entire work zone.

TYPICAL USAGE

MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓	✓	✓	✓	✓

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

Posted Speed (MPH)	Minimum Taper Length (FT)	Suggested Minimum Spacing of Channelizing Devices (FT)	Minimum Spacing of Channelizing Devices (FT)	Suggested Longitudinal Spacing of Barricades (FT)
10-11	12	30	60	90
15	15	40	80	120
20	20	50	100	150
25	25	60	120	180
30	30	70	140	210
35	35	80	160	240
40	40	90	180	270
45	45	100	200	300
50	50	110	220	330
55	55	120	240	360
60	60	130	260	390
65	65	140	280	420
70	70	150	300	450
75	75	150	300	540

TCP (2-4) - 18

Texas Department of Transportation

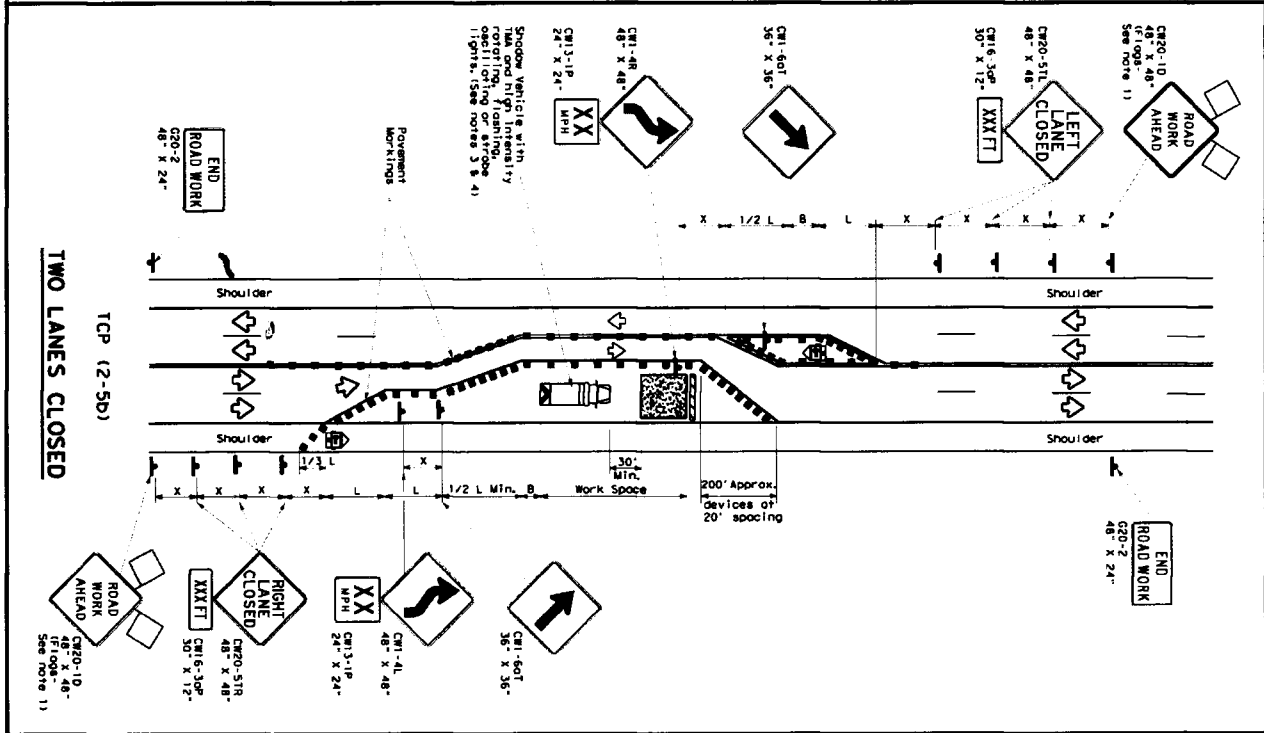
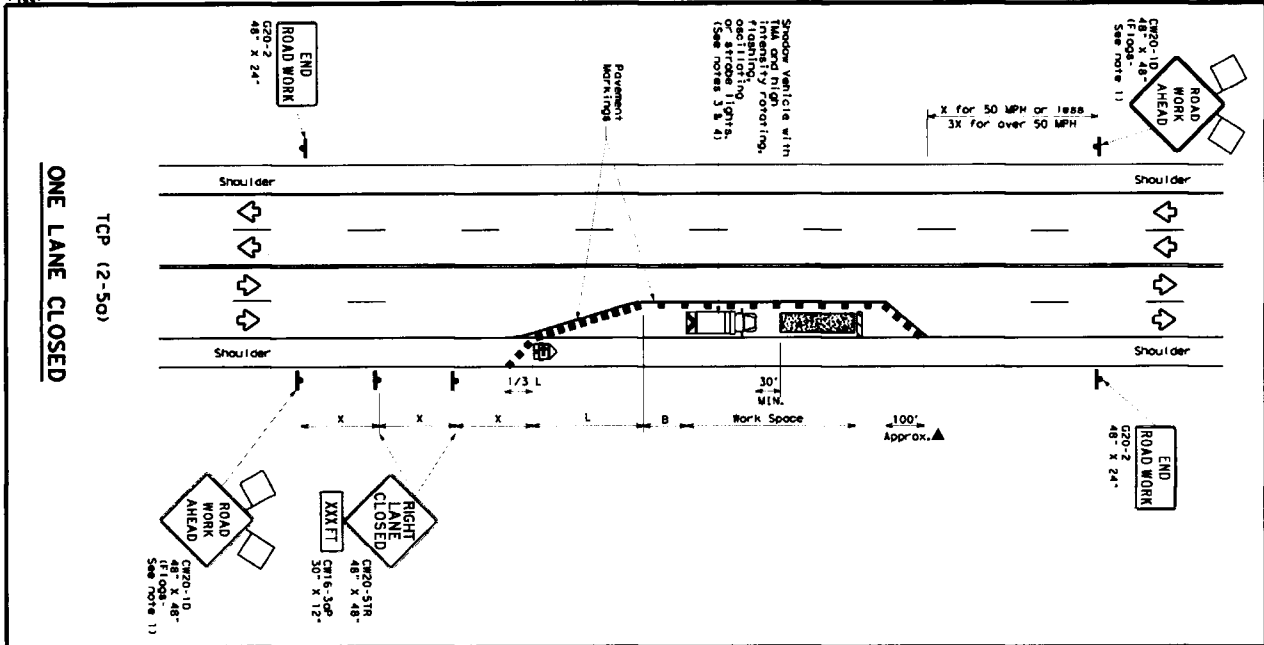
Traffic Control Division

Standard

DATE: 11/18/03
BY: [Signature]
CHECKED: [Signature]
APPROVED: [Signature]

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		Orange Flashing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Message Sign (PMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed Limit (mph)	Minimum Distance (ft)	Minimum Distance (ft) for 11' or less	Minimum Distance (ft) for 11' or more	Minimum Distance (ft) for 11' or more	Minimum Distance (ft) for 11' or more	Minimum Distance (ft) for 11' or more
30	150	150	150	150	150	150
35	225	225	225	225	225	225
40	300	300	300	300	300	300
45	375	375	375	375	375	375
50	450	450	450	450	450	450
55	525	525	525	525	525	525
60	600	600	600	600	600	600
65	675	675	675	675	675	675
70	750	750	750	750	750	750
75	825	825	825	825	825	825

* Government Roads Only
 *K Tower lengths have been rounded off.
 L=Length of Tower (ft) Minimum of Other (ft) S=Posted Speed (mph)

TYPICAL USAGE

MOBILE	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
Sign	Sign	Sign	Sign
Sign	Sign	Sign	Sign
Sign	Sign	Sign	Sign
Sign	Sign	Sign	Sign

- GENERAL NOTES**
- Flags oriented to signs where shown, are REQUIRED.
 - All traffic control devices illustrated are REQUIRED, except those shown within the triangle symbol may be omitted when stored elsewhere in a shadow vehicle with a flag 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 additional shadow vehicles with flags may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.
 - The downstream taper is optional; when used, it should be 100 feet downstream per lane, with diverging devices spaced of 20 feet.

TCP (2-50)

TRAFFIC CONTROL PLAN

LONG TERM LANE CLOSURES

MULTILANE CONVENTIONAL RDS.

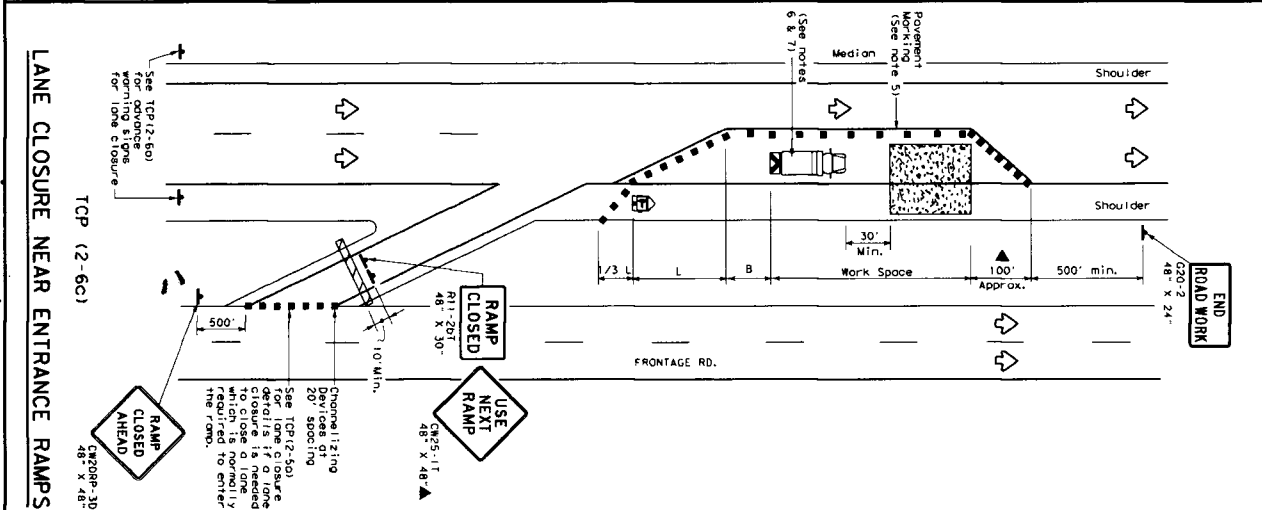
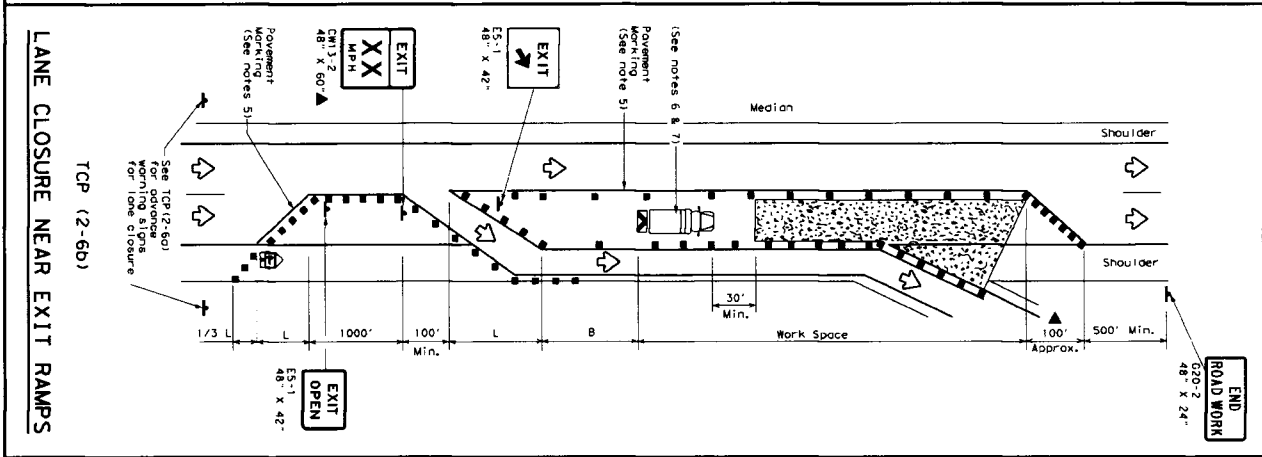
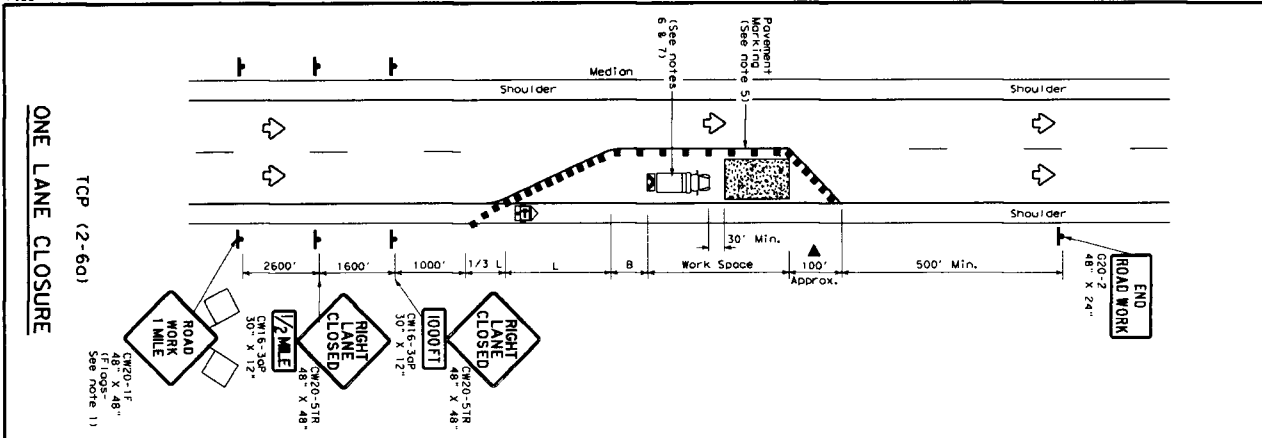
TCP (2-5) - 1B

Texas Department of Transportation
 Traffic Control Division
 Standard

DATE: 11/18/05
 FILE: 6-95-242
 1-41-340
 1-41-218

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:



TRAFFIC CONTROL PLAN
LANE CLOSURES ON DIVIDED HIGHWAYS
TCP(2-6)-18

Texas Department of Transportation
Traffic Control Plan Standard

MOBILE	SHORT DURATION	SHORT TERM INTERMEDIATE TERM	LONG TERM
3	4	5	6

GENERAL NOTES

- Flags dropped to floors where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stored elsewhere in the plan, or for routine maintenance work, when approved by the Engineer.
- Channelizing devices used to close lanes may be supplemented by cones, drums, or other traffic control devices.
- Channelizing devices used along the work space or along tapered sections may be supplemented with vertical panels (VP) placed on every other channelizing device. If night time conditions make it difficult to see at least two VPs, the VPs may be placed on each channelizing device.
- Flashing beacons may be used in lieu of cones, drums, or other traffic control devices.
- Shoulder work zones with the approval of the Engineer, channelizing devices with TM and high intensity rotating, flashing, oscillating or strobe lights. Shoulder vehicle with TM and high intensity rotating flashing lights. Shoulder vehicle with TM and high intensity rotating flashing lights. Shoulder vehicle with TM and high intensity rotating flashing lights. Shoulder vehicle with TM and high intensity rotating flashing lights.
- Additional snow vehicles with TM may be positioned in each shoulder, on the shoulder, or in the work space, next to those shown in order to protect 9' wide work space.

TYPICAL USAGE

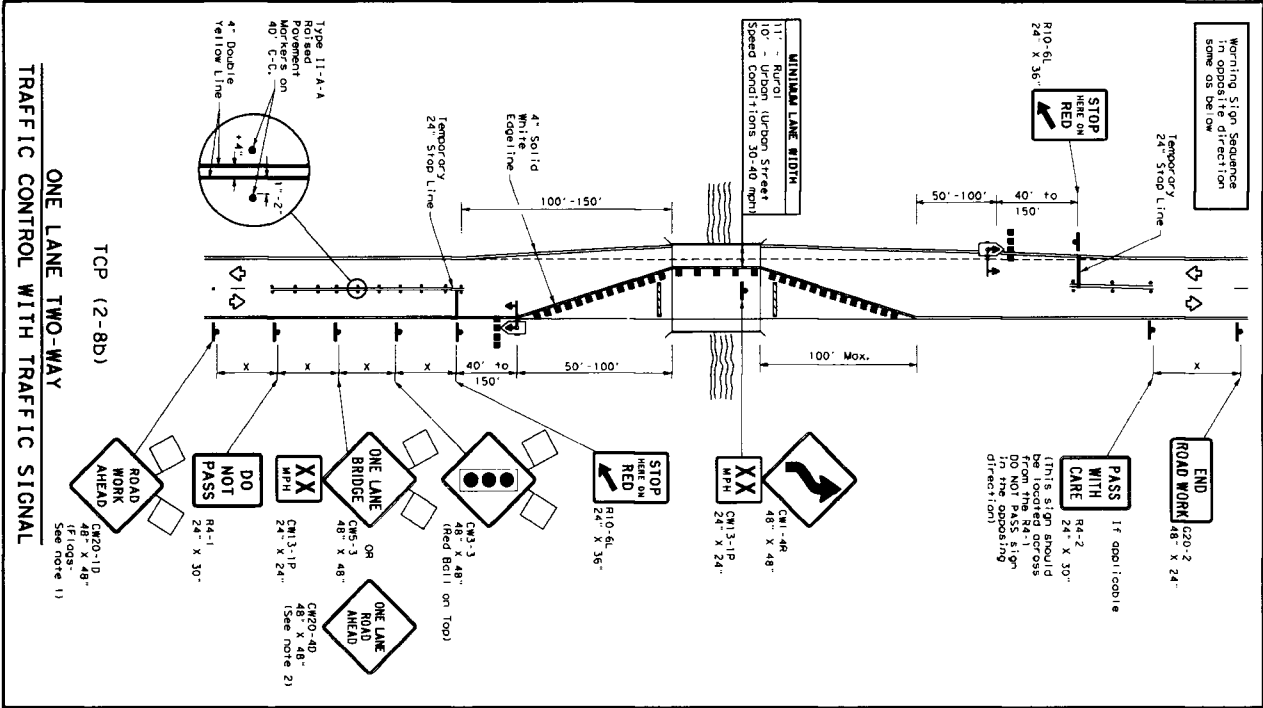
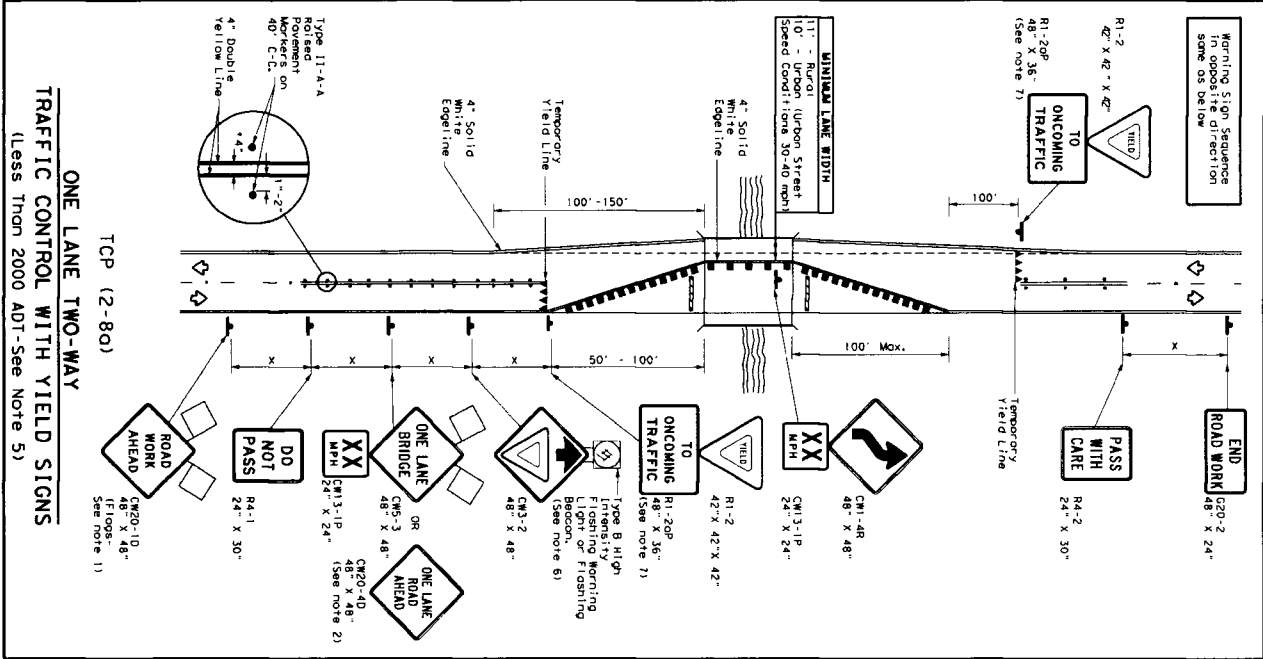
Posted Speed	Minimum Taper Length	Spacing of Devices	Minimum Sign Spacing	Minimum Sign Spacing	Suggested Spacing of Devices
30	150'	165'	180'	30'	60'
35	205'	225'	245'	35'	70'
40	265'	295'	320'	40'	80'
45	330'	365'	400'	45'	90'
50	400'	450'	500'	50'	100'
55	475'	525'	575'	55'	110'
60	560'	620'	680'	60'	120'
65	650'	725'	795'	65'	130'
70	750'	825'	900'	70'	140'
75	860'	945'	1025'	75'	150'

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

DATE: FILE:

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:



TRAFFIC CONTROL PLAN LONG TERM ONE-LANE TWO-WAY CONTROL TCP (2-8) - 18

Texas Department of Transportation

TRAFFIC CONTROL PLAN LONG TERM ONE-LANE TWO-WAY CONTROL

DATE: 11-11-2011 FILE: 11-11-2011

1. Flare or other device to signs where shown or required.

2. When this TCP is used at a location which does not involve a bridge, 0.48" x 48" ONE LANE ROAD AHEAD signs should be used in lieu of the CMS-3 ONE LANE BRIDGE signs. The CMS-3 Advisory Speed Plaque DO NOT PASS signs shall be placed 40 feet on center-line between the two signs.

3. Raised pavement markers shall be placed 40 feet on center-line between the two signs.

4. For intermediate term situations, when it is not feasible to remove and restore concrete markings, the channelization in the location of conflicting lane markings, this is especially important in locations of conflicting lane markings. This is especially important in locations of conflicting lane markings. This is especially important in locations of conflicting lane markings. This is especially important in locations of conflicting lane markings.

5. If power is available, a flashing beacon should be attached to the CMS-2 ONE LANE ROAD AHEAD sign.

6. If power is available, a flashing beacon should be attached to the CMS-2 ONE LANE ROAD AHEAD sign.

7. The "YIELD" sign and other regulatory signs shall be installed at 7 foot minimum mounting height.

8. A list of approved portable traffic signals can be found in the "Complaints and Responses" section of the "Traffic Control Manual".

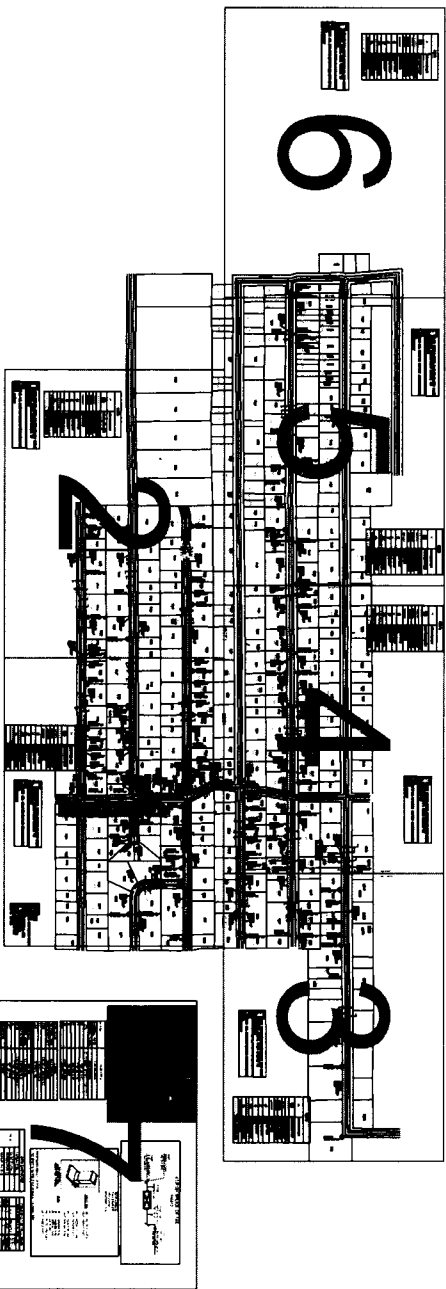
9. Portable traffic signals should be used to provide adequate stopping sight distance for approaching motorists (See table above).

Legend

3" x 3" Barcheck	3" x 3" Barcheck	3" x 3" Barcheck	3" x 3" Barcheck
Sign	Sign	Sign	Sign
Flag	Flag	Flag	Flag
Noted Placement	Noted Placement	Noted Placement	Noted Placement

Table of Sign Sizes

Posted Speed (mph)	Intermediate Speed (mph)	Minimum Speed (mph)	Recommended Spacing (ft)
30	30	30	300
35	35	35	330
40	40	40	360
45	45	45	390
50	50	50	420
55	55	55	450
60	60	60	480
65	65	65	510
70	70	70	540
75	75	75	570
80	80	80	600
85	85	85	630
90	90	90	660
95	95	95	690
100	100	100	720

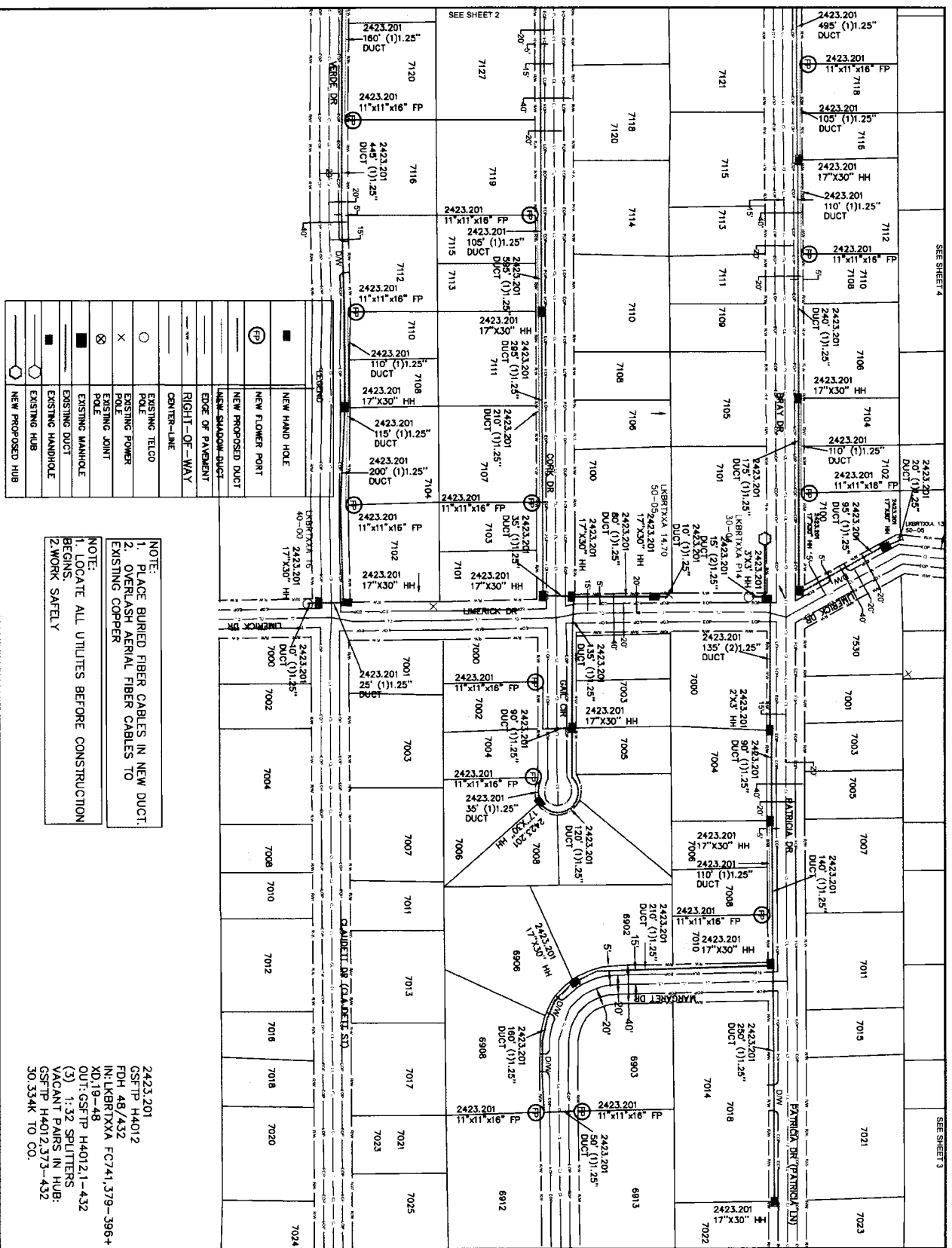


REVISIONS

NO.	DATE	DESCRIPTION



LAKE BROWNWOOD
FDH H4012 PERMIT DRAWING
 PROJECT: 5309503 C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5309503 EXCH. CODE: 7940
 DRAWN/DATE: ENGR: CY/ENT COUNTY: BROWN
 08/10/2022 PHONE: N/A FILE:
 SCALE: 1"=100' TAX DISTRICT: 10483 DWG: OF:
 TWSHP: RNO: SEC:



SEE SHEET 2

SEE SHEET 4

SEE SHEET 3

2423.201
G5FTP H4012
FDH 48/432
IN: LKBRITXXA FC741, 379-396+
XD, 19-48
OUT: G5FTP H4012, 1-432
(3) 1:32 SPLITTERS
VACANT Pairs IN HUB:
G5FTP H4012, 373-432
30, 33, 4K TO CO.

NOTE:

1. PLACE BURIED FIBER CABLES IN NEW DUCT.
2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:

1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
2. WORK SAFELY

REVISIONS

NO.	DATE	DESCRIPTION

LAKE BROWNWOOD COMMUNICATIONS

FDH H4012 PERMIT DRAWING

PROJECT: FDH H4012
 NUMBER: 5309503
 DRAWN: DATE/ENGR: N/A
 SCALE: 1"=100'
 TNSHP: RNC: SEC:

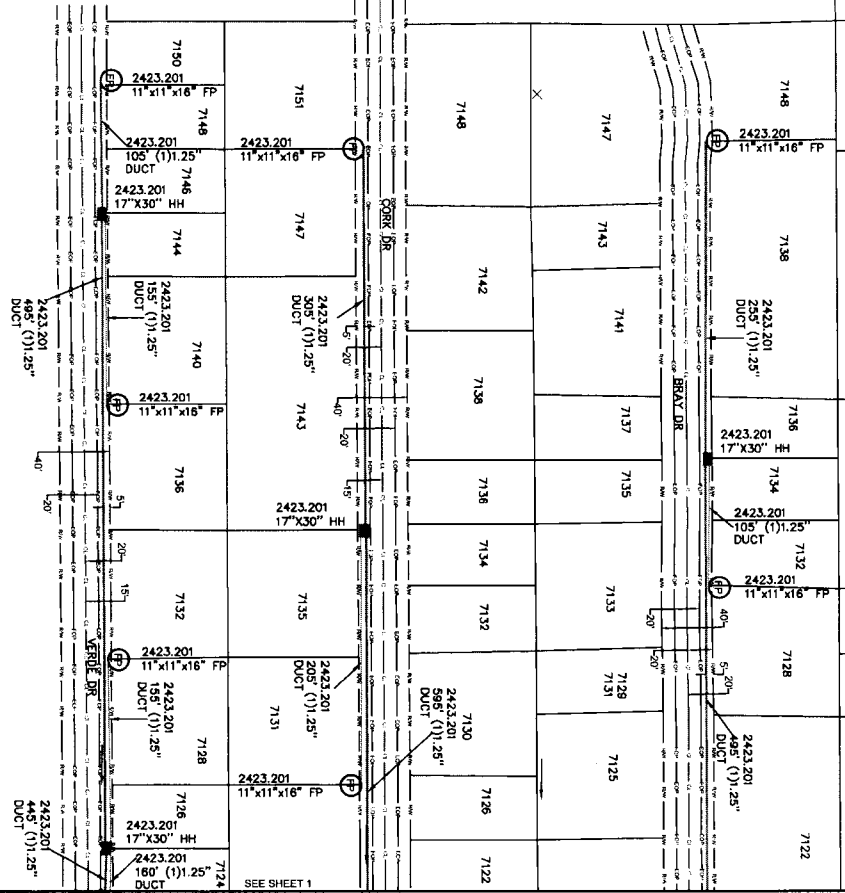
SEE SHEET 5

SEE SHEET 4

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
⊙	NEW PROPOSED DUCT
⊘	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TELCO POLE
⊗	EXISTING POWER POLE
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER.

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY



SEE SHEET 1

REVISIONS

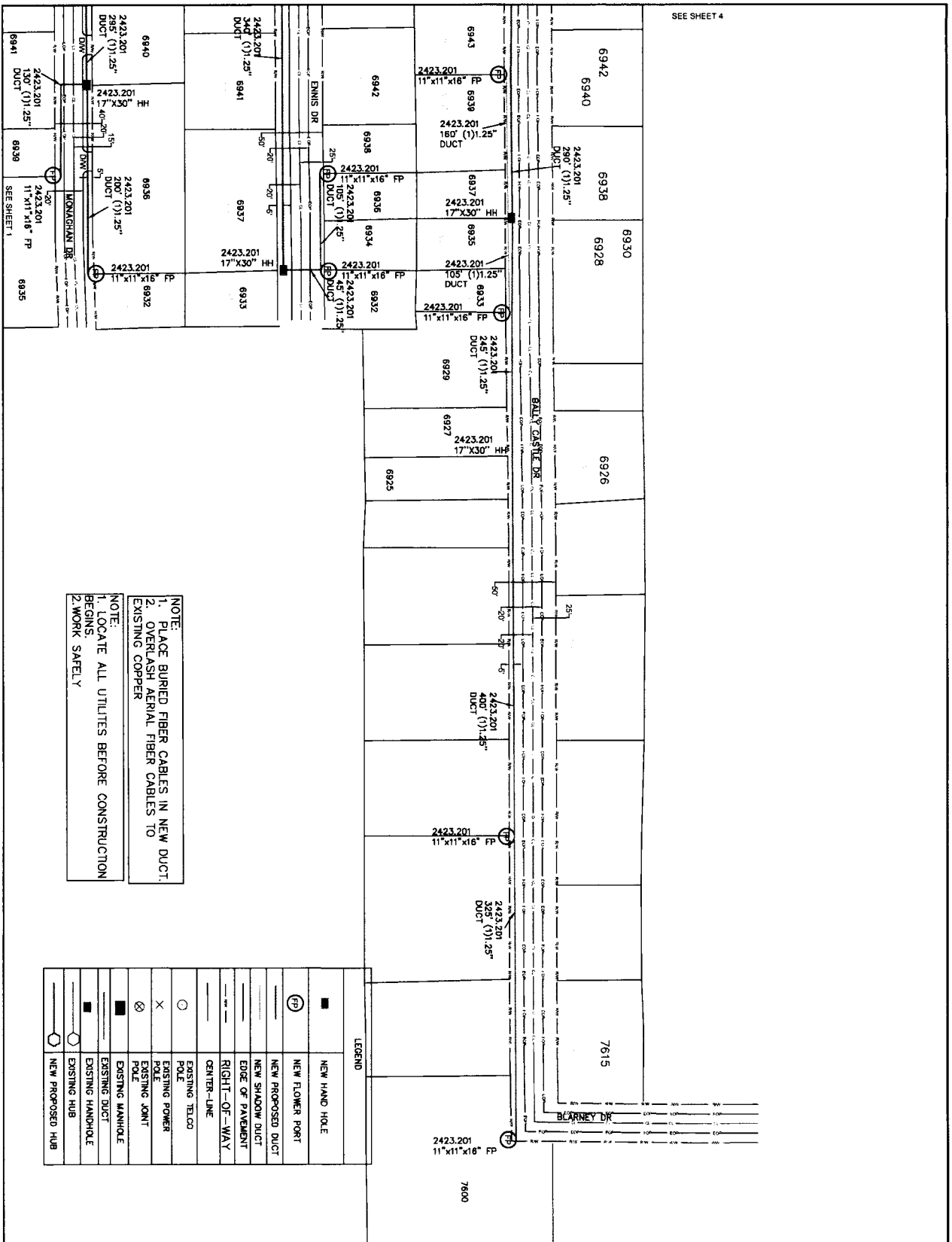
NO.	DATE	DESCRIPTION

Frontier
COMMUNICATIONS

LAKE BROWNWOOD

FDH H4012 PERMIT DRAWING

PROJECT NUMBER: 5309503	C.O. AREA: LAKE BROWNWOOD
DRAWN/DATE: ENGR: CVJ/ENT	EXCH. CODE: 70440
SCALE: 1"=100'	PHONE: N/A
TWNSHIP: R1NG	FILE: BROWN
	DWG: 2 OF 7
	SEC:



NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER
 NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TIELO PILE
X	EXISTING POWER PILE
⊗	EXISTING JOINT PILE
■	EXISTING MANHOLE
■	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

REVISIONS

NO.	DATE	DESCRIPTION



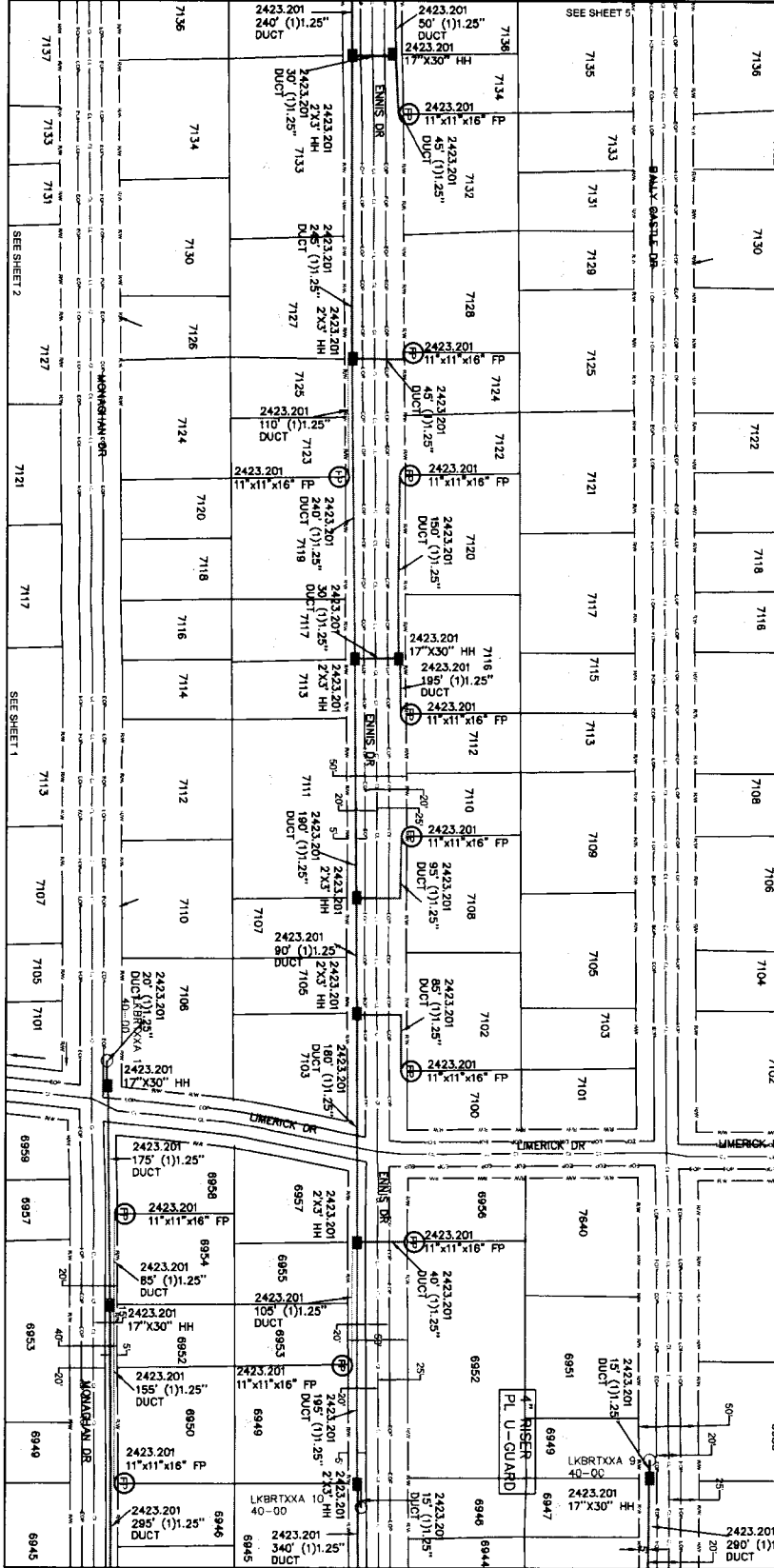
LAKE BROWNWOOD
 FDH H4012 PERMIT DRAWING

PROJECT: C.O. AREA: LAKE BROWNWOOD
 NUMBER: 5309503 CLIENT: EXCH. CODE: 70440
 DRAWN/DATE: ENGR: N/A CNTY: BROWN
 08/10/2022 PHONE: N/A FILE:
 SCALE: 3/160 TAY DISTRICT: T0363 DWG: 3 OF 7
 TOWNSHIP: RING: SEC:

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
⊖	NEW PROPOSED DUCT
⊖	NEW SHADOW DUCT
⊖	EDGE OF PAVEMENT
⊖	RIGHT-OF-WAY
⊖	CENTER-LINE
○	EXISTING TELCO POLE
○	EXISTING POWER POLE
⊗	EXISTING JOINT
⊗	EXISTING MANHOLE
⊖	EXISTING DUCT
⊖	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY



SEE SHEET 3

REVISIONS

Frontier COMMUNICATIONS

LAKE BROWNWOOD

FDH H4012 PERMIT DRAWING

PROJECT NUMBER: 5309503

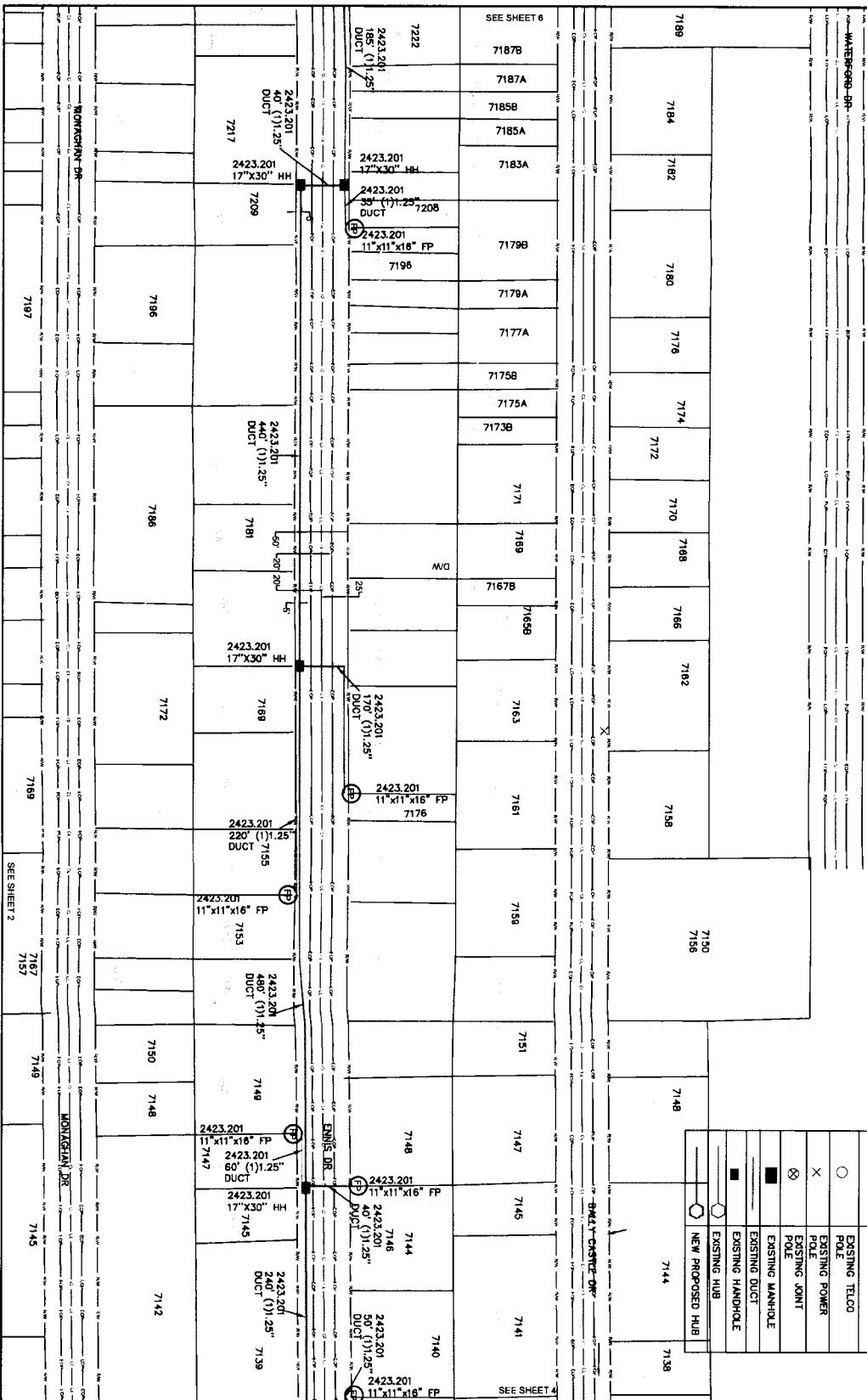
C.O. AREA: LAKE BROWNWOOD

DRAWN DATE: ENGR: CLIENT: FILE: BROWN

SCALE: 1"=100' TAX DISTRICT: 10383 DWG: 4 OF 7

TWNSHIP: RING: SEC:

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER
 NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY



LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
⊖	NEW PROPOSED DUCT
⊘	NEW SHADOW DUCT
⊙	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TIELO
×	EXISTING POWER
⊗	EXISTING JOINT
⊙	EXISTING MANHOLE
⊖	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

Frontier
COMMUNICATIONS

LAKE BROWNWOOD

FDH H4012 PERMIT DRAWING

PROJECT NUMBER: 5309503
 DRAWN DATE: ENGR. CLIENT
 09/10/2022 PHONE: N/A
 SCALE: 1"=100' TAX DISTRICT: 10383 DWG: 5 OF 7
 TNSHP: RING

CO. AREA: LAKE BROWNWOOD
 EXCH. CODE: 10440
 FILE: BROWN
 SEC:

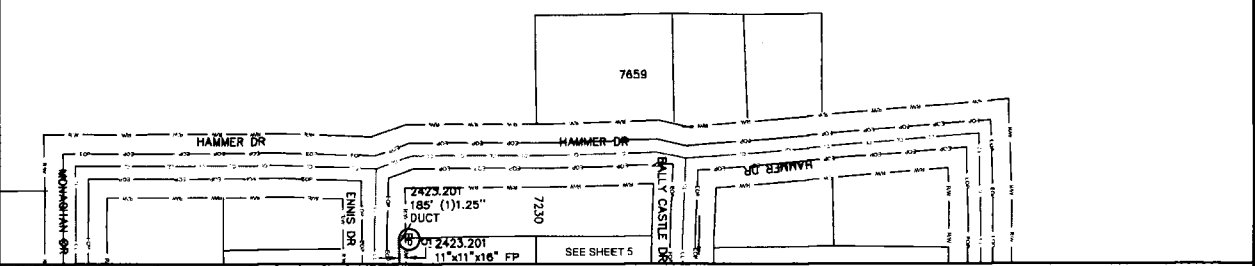
REVISIONS

NO.	DESCRIPTION

LEGEND	
■	NEW HAND HOLE
⊕	NEW FLOWER PORT
—	NEW PROPOSED DUCT
—	NEW SHADOW DUCT
—	EDGE OF PAVEMENT
—	RIGHT-OF-WAY
—	CENTER-LINE
○	EXISTING TELCO POLE
x	EXISTING POWER
⊗	EXISTING JOINT POLE
■	EXISTING MANHOLE
—	EXISTING DUCT
■	EXISTING HANDHOLE
○	EXISTING HUB
○	NEW PROPOSED HUB

NOTE:
 1. PLACE BURIED FIBER CABLES IN NEW DUCT.
 2. OVERLASH AERIAL FIBER CABLES TO EXISTING COPPER

NOTE:
 1. LOCATE ALL UTILITIES BEFORE CONSTRUCTION BEGINS.
 2. WORK SAFELY



LAKE BROWNWOOD FDH H4012 PERMIT DRAWING	
PROJECT NUMBER: 5309503	C.O. AREA: LAKE BROWNWOOD
DRAWN DATE: 09/10/2002	EXCH. CODE: 70440
ENGINEER: N/A	DISTRICT: T0303
PHONE: N/A	FILE: BROWN
TAX DISTRICT: T0303	DWG: 6 OF 7
RNG:	SEC:

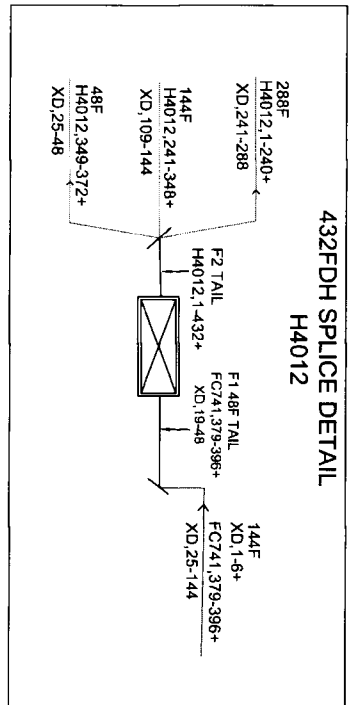
NO.	DATE	DESCRIPTION

HUB ID	HUB H4012
MATERIAL CODE	F3H-1G432UE
MANUFACTURER	COMMSCOPE
TYPE	FDH CABINET 48/432TYP PAD GEN 3
IN	H4012A,1-32
IN	H4012B,1-32
IN	H4012C,1-32
IN	XD,19-48
IN	FC741,379-396+
OUT	H4012,1-432

SPLITTER ID	H4012A
MATERIAL CODE	FPS-G2LPP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,379-379
OUT	H4012A,1-32

SPLITTER ID	H4012B
MATERIAL CODE	FPS-G2LPP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,380-380
OUT	H4012B,1-32

SPLITTER ID	H4012C
MATERIAL CODE	FPS-G2LPP1AU
MANUFACTURER	COMMSCOPE
TYPE	1:32 SPLITTER GEN 3
IN	FC741,381-381
OUT	H4012C,1-32



70440-5309503
7101 BRAY DR
H4012 (432)
SPLITTERS 1:32

PROPOSED FDH LOCATION
7101 BRAY DR LAKE BROWNWOOD, TX 76801, USA

SPLITTER	IN	OUT
HUB	IN	H4012A,1-32
	IN	H4012B,1-32
	IN	H4012C,1-32
	IN	XD,19-48
	IN	FC741,379-396+
	OUT	H4012,1-432

UNITS ENGINEERED	
LUS(ACTUAL)	323
LUS(FUTURE)	
MUS(ACTUAL)	
MUS(FUTURE)	
BUS(ACTUAL)	
BUS(FUTURE)	

FIBER INFO FOR THE LONGEST FIBER SERVED BY THIS FDH			
FIBER #	FEEDER	DISTRIBUTION	TERMINAL FIBER & DISTRIBUTION
7	FC741	H4012	
LENGTH	30.334MFT	4.778MFT	33.110MFT

Frontier
COMMUNICATIONS

LAKE BROWNWOOD

FDH H4012 PERMIT DRAWING

PROJECT NUMBER: 5309503	C.O. AREA: LAKE BROWNWOOD
DRAWN/DATE: ENGR. N/A	EXCH. CODE: 70440
09/10/2022	CNTY: BROWN
PHONE: N/A	FILE:
TAX DISTRICT: 1063	DWG: 7 OF 7
RMS:	SEC:

REVISIONS

Frontier Communications
218 S Thomas St
Tupelo Ms 38801

APPROVAL:

Ray Wally
Jul Patton
Pro Tem
Larry Traveek

The Commissioner's Court of Brown County offers no objections to the location on the right-of-way and/or crossing of your proposed buried line as shown by accompanying drawings and notice dated _____, except as noted below:

It is further intended that the Commissioner's Court may require the owner to relocate This line, subject to provisions of governing laws, by giving thirty (30) days written notice.

The installation shall not damage any part of the county road and adequate provisions must be made to cause a minimum inconvenience to traffic and adjacent property owners.

Please notify Larry Traveek, Commissioner of Precinct # 4.

Twenty-four (24) hours prior to starting construction of the line, in order that we may have a representative present.

BROWN COUNTY COMMISSIONERS COURT
OF BROWNWOOD, TEXAS

BY: Jul Patton
Pro Tem

Exceptions and/or special requirements:

SUBJECT TO BROWN COUNTY SPECIFICATIONS for boring
a road.
various County Roads, see attached list