

Frontier Communications
2611 45th ST
Dickinson, TX 77539

Submit Date: 05/02/2022
Work Order # 5295334

Office of Hopkins County Judge
The Honorable Robert Newsom

Frontier Communications is requesting permission to place (29) 2'X3' HH, (59) 17"X30" HH, (49) 11"X11"X17" DB,
and bore 27123' to place 26587' of (1)-1.25" duct and 536' of (2)-1.25" ducts at the
location of 3706 FM 1870 and various locations.

Site location map and construction drawings are enclosed. The construction sketch details all proposed work.

If you have any questions, please feel free to contact Darrin Albrecht @ 281-229-0849 or Darrin.albrecht@ftr.com

Submitted by:
Brittany Bruneau
Permit coordinator
bbruneau@chcconsulting.com
816-462-8312

Approved Denied Date: _____

County Comments: 

Approval Signature: _____

**FRONTIER COMMUNICATION
CONSTRUCTION SPECIFICATIONS**

- Contact Frontier Engineer at CORY RIGGS at (310) 210-9882 sixty (60) days prior to end of service in order to confirm compliance, order materials, and schedule work forces. NOTE: FRONTIER COMMUNICATIONS, INCORPORATED, RESERVES THE RIGHT TO REFUSE ANY CONDUIT, PULL BOXES, MANHOLES, OR UTILITY BOXES THAT DEVIATE FROM PLANS AND SPECIFICATIONS.
- All conduit riser bends to have a minimum thirty-six (36) inch radius.
- All horizontal ninety (90) degree bends shall have a minimum radius of 12.5 feet and all vertical ninety (90) degree bends shall have a minimum radius of three feet. No more than two ninety (90) degree horizontal bends shall be placed in any single run unless otherwise specified. Contact the Frontier engineer concerning any required deviations.
- All conduit must be proven using a mandrel no less than a 1/2" smaller than the conduit placed. Wall to wall measurements must be taken with a measured tape and a 3/8" polypropylene pull rope in each duct. An accurate wall to wall measurement of conduit placed must be As-built on an approved Frontier construction plan. A copy of the As-built conduit work order must be provided to the Frontier inspector assigned to your project.
- Place weatherproof caps on all terminated conduits.
- Approved plastic conduit (PVC Sch. 40, TYPE-C or HDPE (2") is to be used in underground construction unless otherwise specified.
- Conduit terminated on a pole must be PVC Sch. 80. Location of riser on pole will be called out by engineering on the construction plan.
- Conduit placed in same trench with primary power conduit must be separated by a minimum of twelve (12) inches of well-packed sand or three inches of concrete, and have a minimum of thirty-six (36) inches of cover when placed behind curb face. All street crossings and conduits placed in the driven portion of the roadway must have a minimum of forty-eight (48) inches of cover to top of pipe. CONTACT THE FRONTIER INSPECTOR 48 HOURS BEFORE TRENCHING AND UPON COMPLETION OF YOUR SUBSTRUCTURES TO SCHEDULE THE FINAL INSPECTION.

**PERMITTING AGENCY:
HOPKIN COUNTY**

PICK UP POINT:
TXDOT R/W

PATH FOOTAGE:
BORE = 27123'

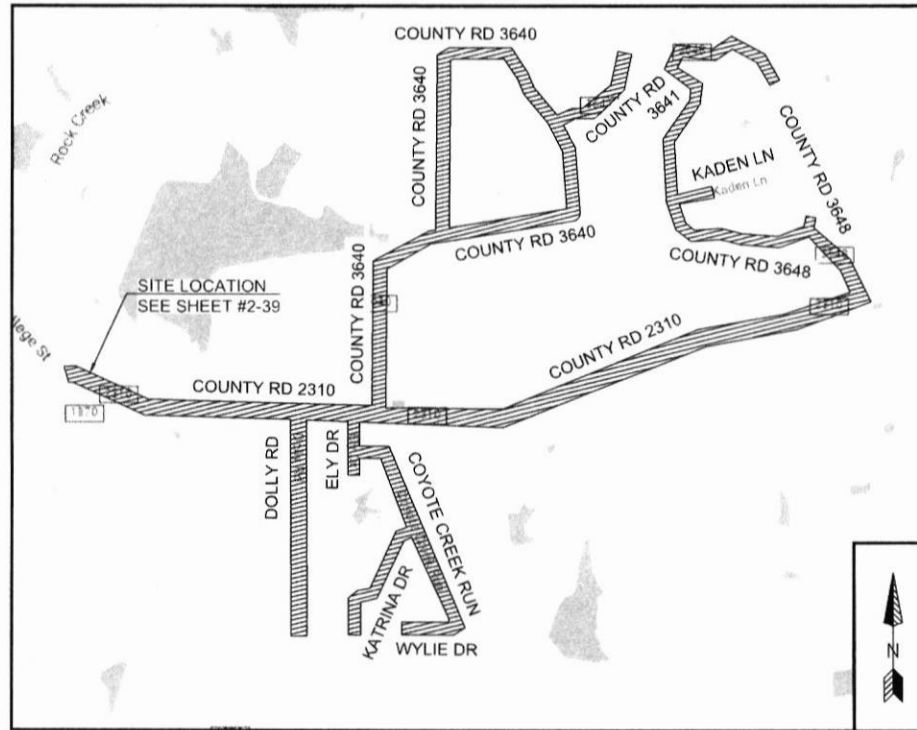
MATERIALS:
(29) NEW 2"X3' HH
(59) NEW 17"X30" HH
(49) NEW 11"X11"X17" DROP BOX
26587' OF (1)-1.25" DUCT
536' OF (2)-1.25" DUCTS



**Know what's below.
Call before you dig**

CONDUIT DESIGN

**FDH - 3706 FM 1870
FM 1870 & COUNTY RD 2310
SULPHUR SPRINGS, TX 75482**



VICINITY MAP
NTS

-HDPE AND PVC FOOTAGES DO NOT INCLUDE SWEEPS
-ACTUAL FOOTAGES OF HDPE AND PVC WILL BE NEEDED TO ORDER MATERIALS. PLEASE INCLUDE MEASURED TAPE IN ALL PVCS.
-FRONTIER INSPECTOR SHALL BE PRESENT ON SITE WHEN CONTRACTOR NEEDS TO ACCESS ANY EXISTING FRONTIER FACILITY.

ABBREVIATIONS

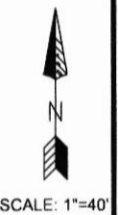
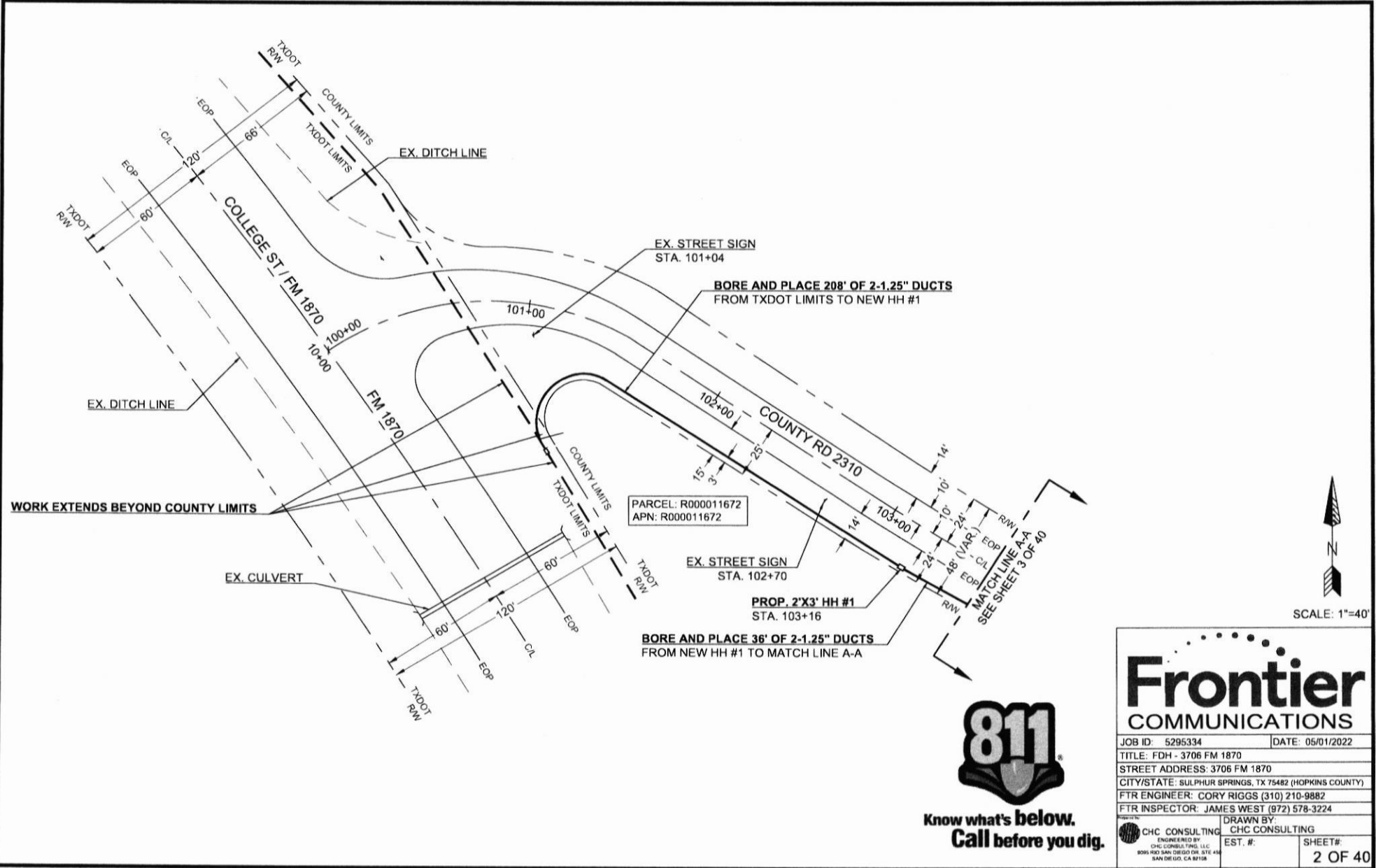
BLDG	BUILDING	PED	PEDESTAL (UTILITY)
C/L	CENTER LINE	PVC	POLYVINYL CHLORIDE
CONC	CONCRETE	P/L	PROPERTY LINE
CSW	CONCRETE SIDEWALK	RR	RAILROAD
DWY	DRIVEWAY	RL	RIGHT OF WAY
EOC	EDGE OF CURB	SL	STREET LIGHT
EOP	EDGE OF PAVEMENT	W-BLDG	WALL TO BUILDING
ETW	ETW LINE	W-P	WALL TO POLE
HH	HANDHOLE	W-W	WALL TO WALL
MH	MANHOLE	P.U.E.	PUBLIC UTILITY EASEMENT
NTS	NOT TO SCALE	P.S.E.	PUBLIC SERVICE EASEMENT
		C/G	CURB & GUTTER

LEGEND

	New Trench
	New Bore
	Existing Gas
	Existing Water
	Existing Telephone
	Existing Sewer
	Existing Storm Drain
	Existing Electric
	Existing Manhole
	Existing Handhole (2'x3' or 17'x30")
	DSLAM
	X-CONNECT
	POWER PEDESTAL
	TELCO PEDESTAL
	3' x 5' PULL BOX
	POLE



JOB ID: 5295334	DATE: 05/01/2022
TITLE: FDH - 3706 FM 1870	
STREET ADDRESS: 3706 FM 1870	
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)	
FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
DESIGNED BY: CHC CONSULTING	DRAWN BY: CHC CONSULTING
EST. #:	SHEET #:
1 OF 40	

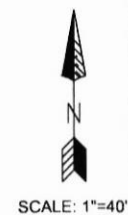
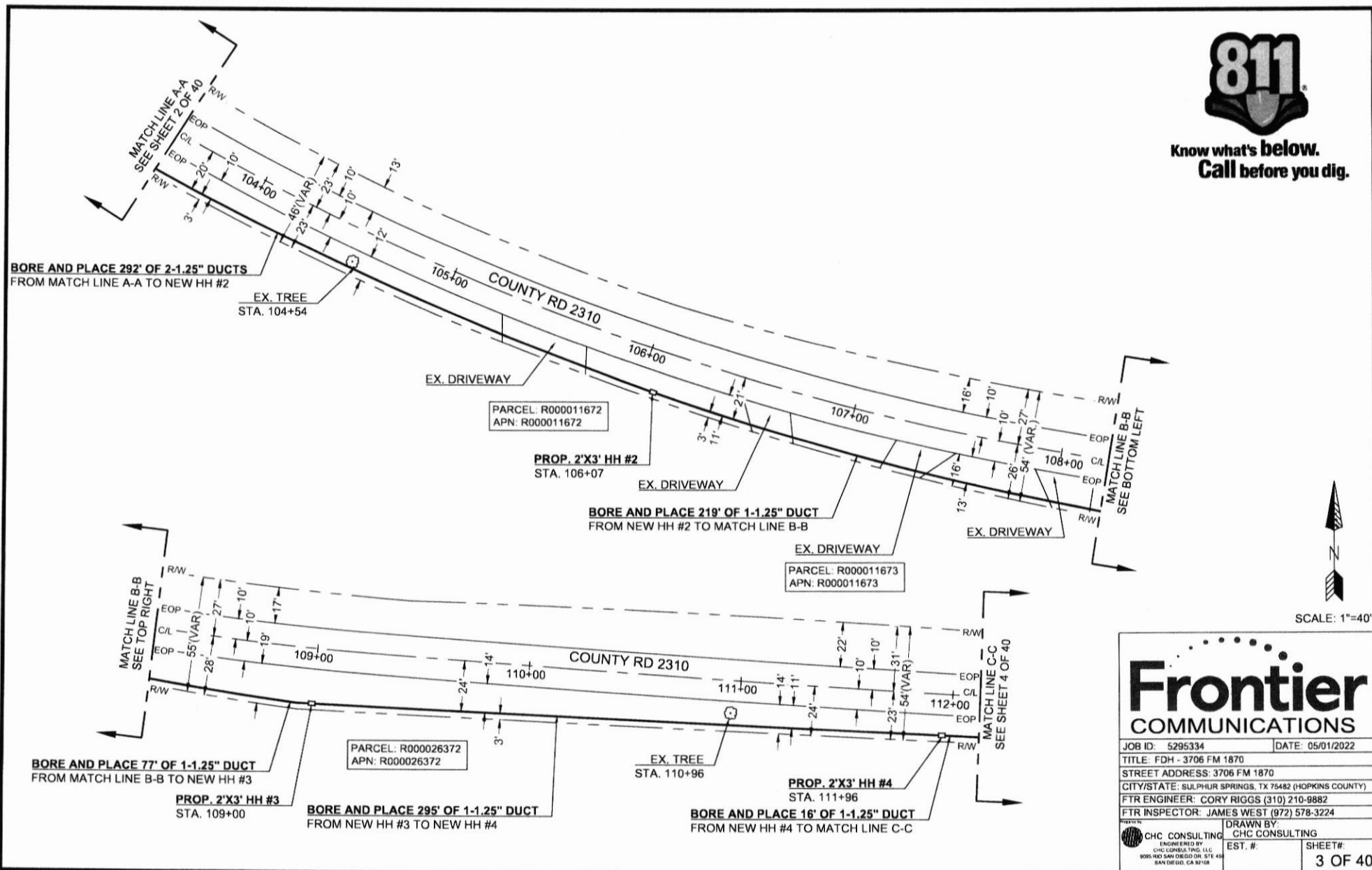


**Know what's below.
Call before you dig.**

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FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY: CHC CONSULTING, LLC 3036 RIO SAN DIEGO DR. STE 418 SAN DIEGO, CA 92108</small>	DRAWN BY: CHC CONSULTING EST. #: SHEET#:
	2 OF 40



Know what's below.
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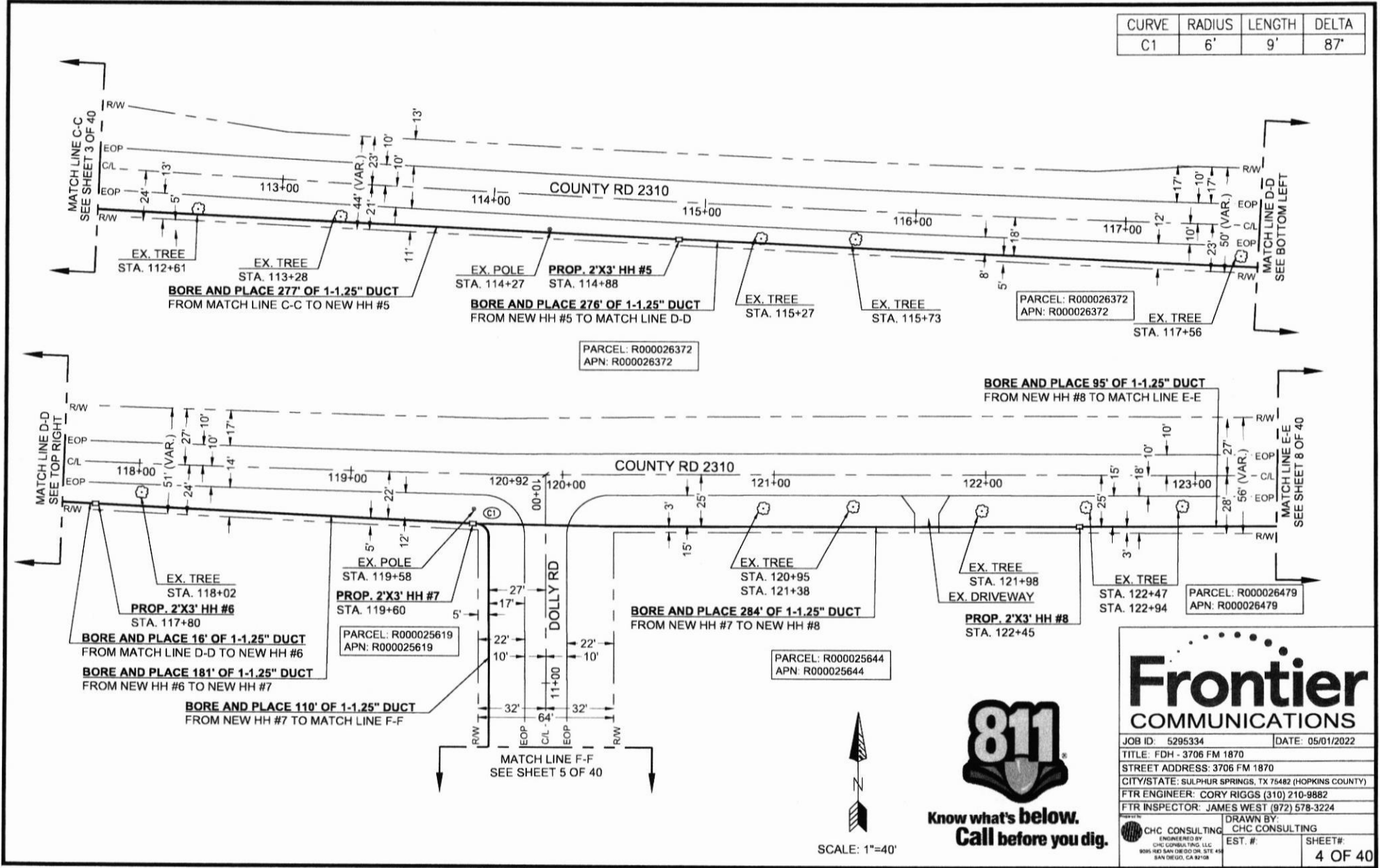


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FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING	DRAWN BY: CHC CONSULTING
EST. #	SHEET #:
3 OF 40	

ENGINEERED BY: CHC CONSULTING, INC. LLC
9095 180 SAN DIEGO DR. STE 414
SAN DIEGO, CA 92108

CURVE	RADIUS	LENGTH	DELTA
C1	6'	9'	87°



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STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

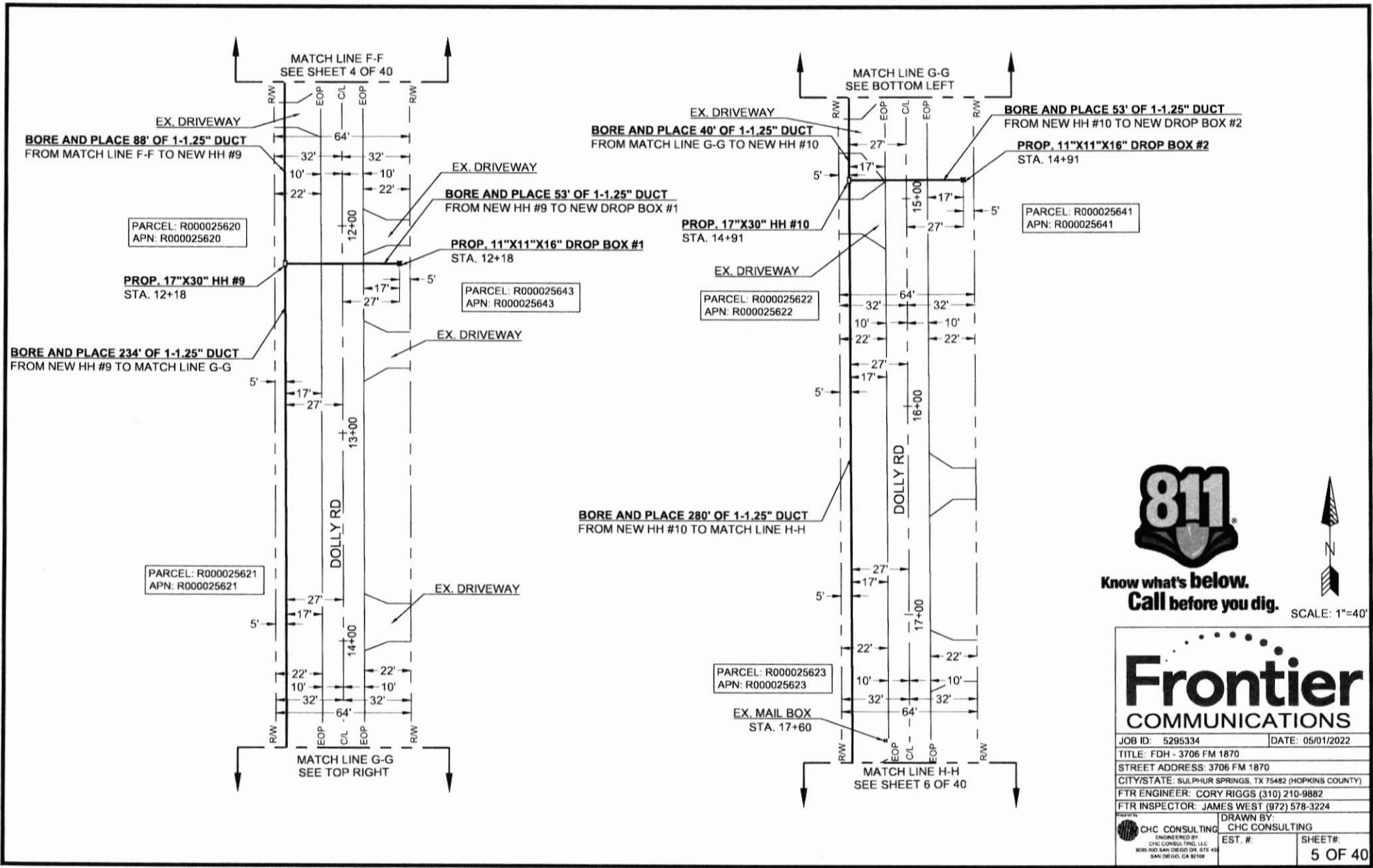
FTR INSPECTOR: JAMES WEST (872) 578-3224

ENGINEERED BY: CHC CONSULTING

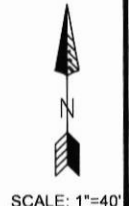
CHC CONSULTING
3051 I-10 SAN DIEGO, CA 92108

EST. #:
DRAWN BY: CHC CONSULTING

SHEET #:
4 OF 40

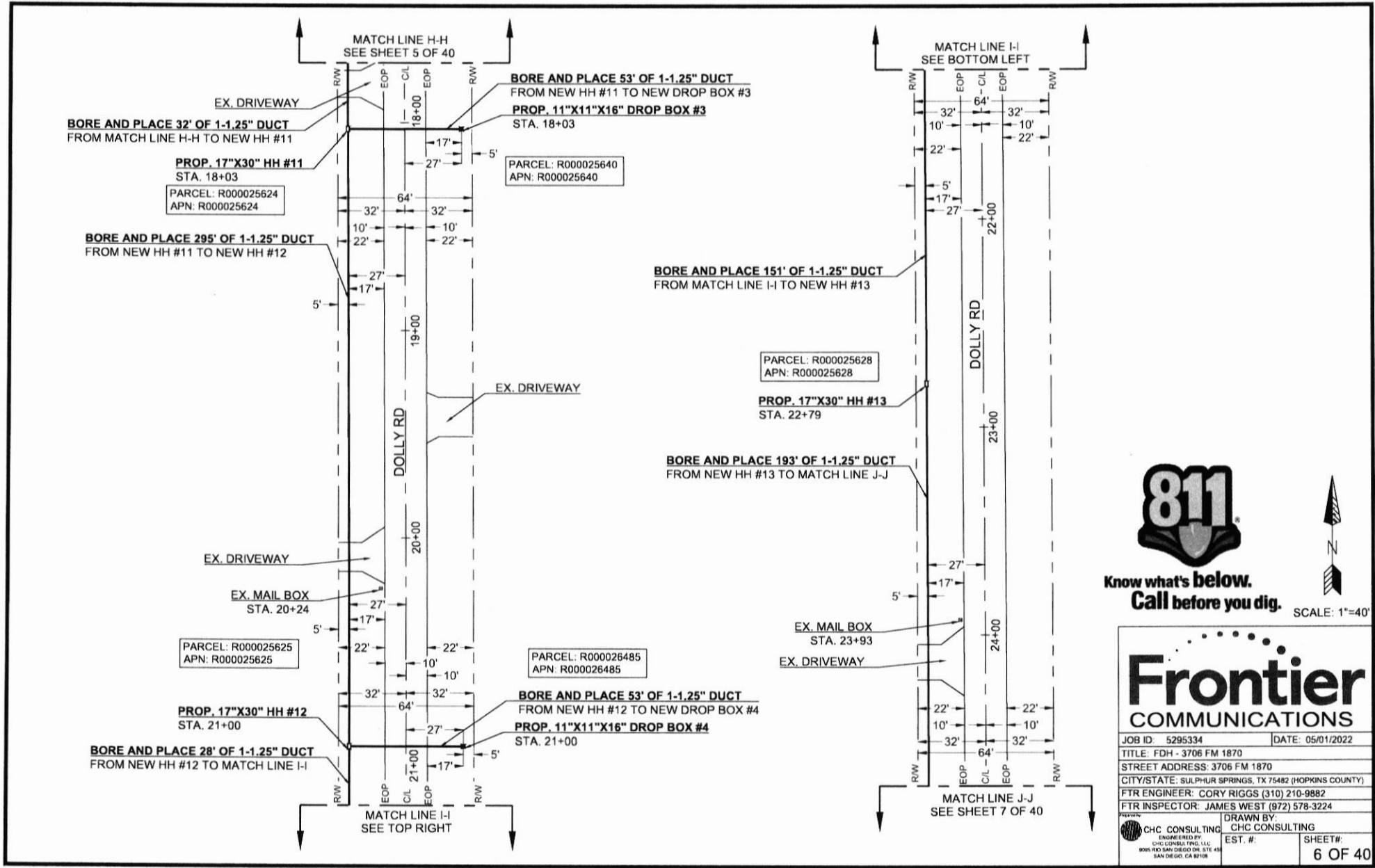


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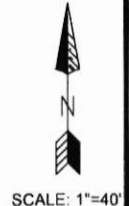


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FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
PREPARED BY: CHC CONSULTING ENGINEERED BY: CHC CONSULTING, P.C. 8085 RIO SAN DIEGO DR. STE 418 SAN DIEGO, CA 92108	DRAWN BY: CHC CONSULTING EST. #: SHEET#:
5 OF 40	

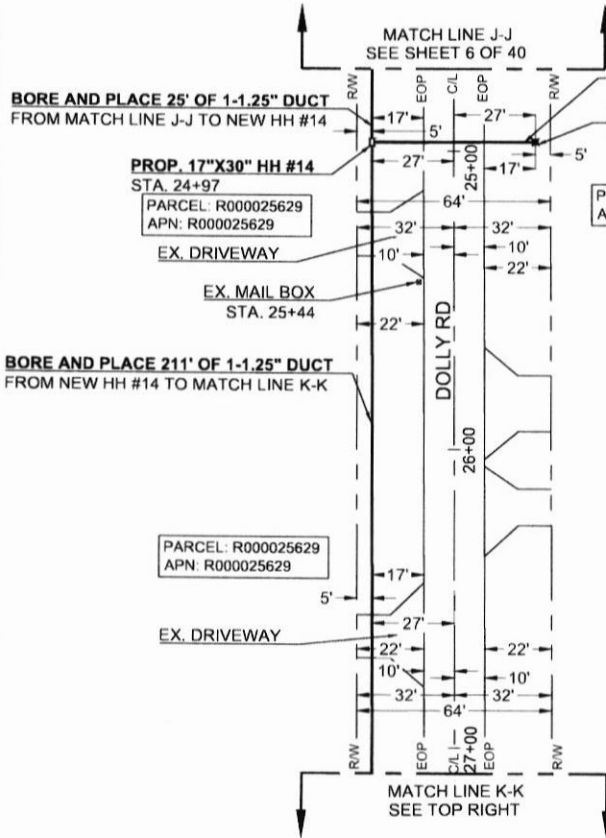


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FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY CHC CONSULTING, LLC 8094 RIO SAN DIEGO DR. STE 450 SAN DIEGO, CA 92128</small>	DRAWN BY: CHC CONSULTING EST. #: SHEET#:
6 OF 40	



BORE AND PLACE 53' OF 1-1.25" DUCT
 FROM NEW HH #14 TO NEW DROP BOX #5
PROP. 11"X11"X16" DROP BOX #5
 STA. 24+97

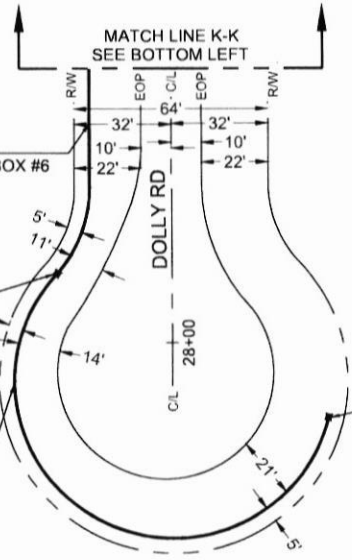
PARCEL: R000026435
 APN: R000026435

BORE AND PLACE 71' OF 1-1.25" DUCT
 FROM MATCH LINE K-K TO NEW DROP BOX #6

PARCEL: R000025630
 APN: R000025630

PROP. 11"X11"X16" DROP BOX #6
 STA. 27+77

BORE AND PLACE 191' OF 1-1.25" DUCT
 FROM NEW DROP BOX #6 TO NEW DROP BOX #7



PROP. 11"X11"X16" DROP BOX #7
 STA. 28+25

PARCEL: R000025633
 APN: R000025633



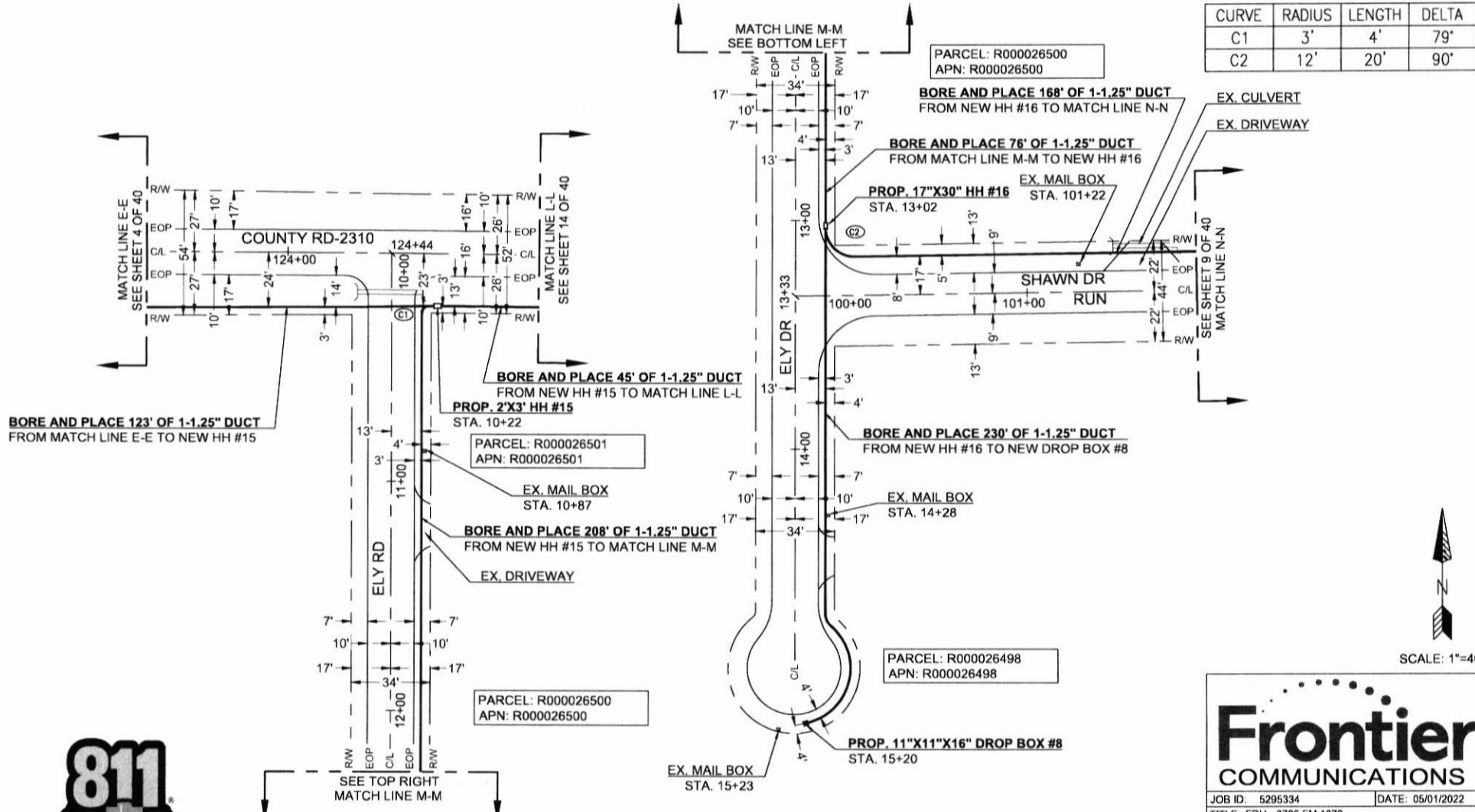
SCALE: 1"=40'



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FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY: CHC CONSULTING, LLC 9045 RIO SAN DIEGO DR. STE 410 SAN DIEGO, CA 92108</small>	DRAWN BY: CHC CONSULTING EST. #: SHEET#:
	7 OF 40

CURVE	RADIUS	LENGTH	DELTA
C1	3'	4'	79°
C2	12'	20'	90°



BORE AND PLACE 123' OF 1-1.25" DUCT
FROM MATCH LINE E-E TO NEW HH #15

BORE AND PLACE 45' OF 1-1.25" DUCT
FROM NEW HH #15 TO MATCH LINE L-L

PROP. 2'X3' HH #15
STA. 10+22

PARCEL: R000026501
APN: R000026501

EX. MAIL BOX
STA. 10+87

BORE AND PLACE 208' OF 1-1.25" DUCT
FROM NEW HH #15 TO MATCH LINE M-M

EX. DRIVEWAY

PARCEL: R000026500
APN: R000026500

PARCEL: R000026500
APN: R000026500

BORE AND PLACE 168' OF 1-1.25" DUCT
FROM NEW HH #16 TO MATCH LINE N-N

BORE AND PLACE 76' OF 1-1.25" DUCT
FROM MATCH LINE M-M TO NEW HH #16

PROP. 17"X30" HH #16
STA. 13+02

EX. MAIL BOX
STA. 101+22

BORE AND PLACE 230' OF 1-1.25" DUCT
FROM NEW HH #16 TO NEW DROP BOX #8

EX. MAIL BOX
STA. 14+28

PARCEL: R000026498
APN: R000026498

PROP. 11"X11"X16" DROP BOX #8
STA. 15+20

EX. MAIL BOX
STA. 15+23

EX. CULVERT

EX. DRIVEWAY

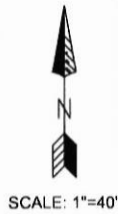
SEE SHEET 9 OF 40
MATCH LINE N-N

MATCH LINE E-E
SEE SHEET 4 OF 40

MATCH LINE L-L
SEE SHEET 14 OF 40

MATCH LINE M-M
SEE BOTTOM LEFT

SEE TOP RIGHT
MATCH LINE M-M



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Frontier COMMUNICATIONS

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TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

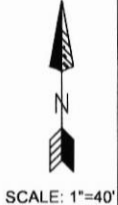
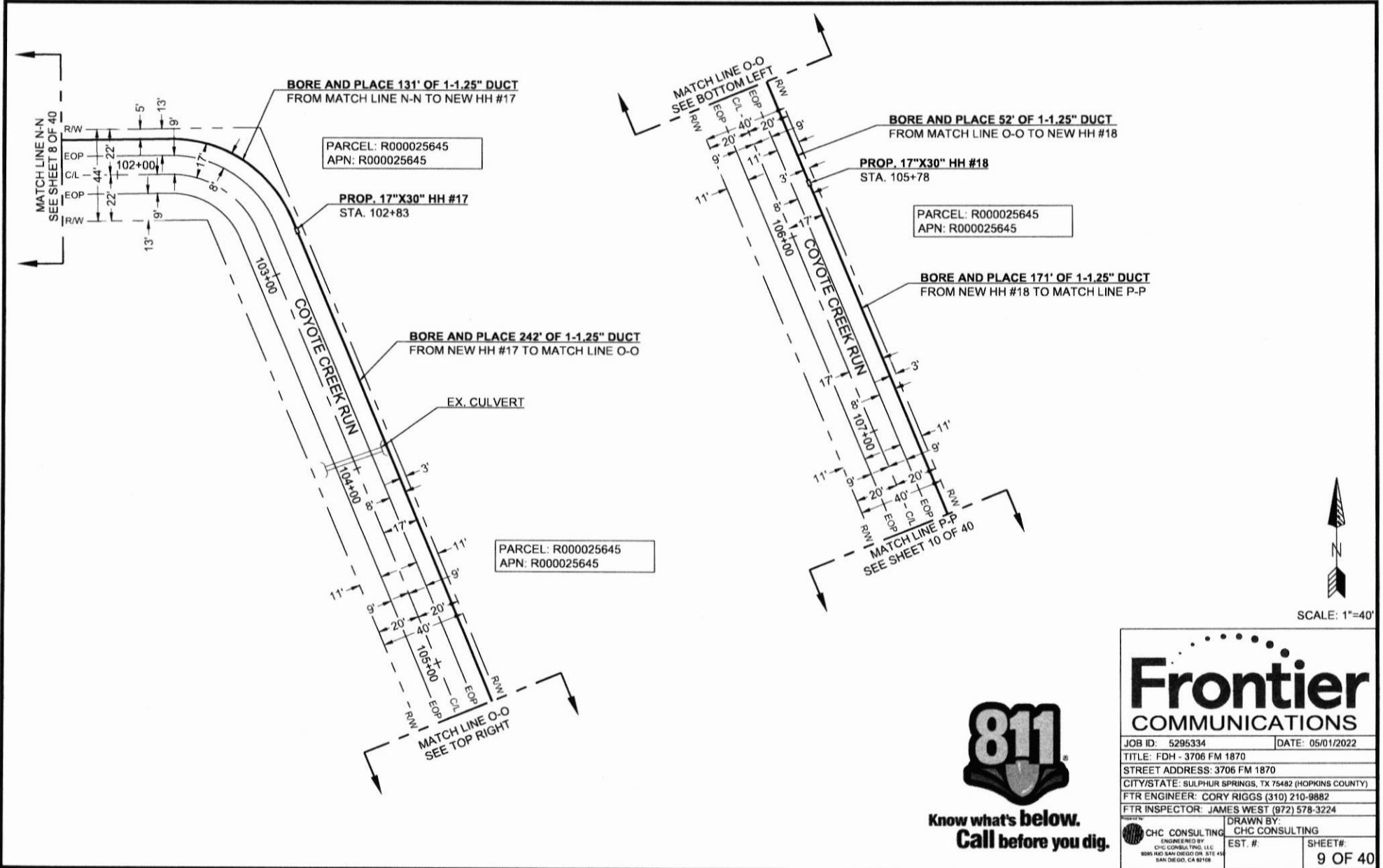
FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

CHC CONSULTING ENGINEER BY CHC CONSULTING

EST. # | SHEET#

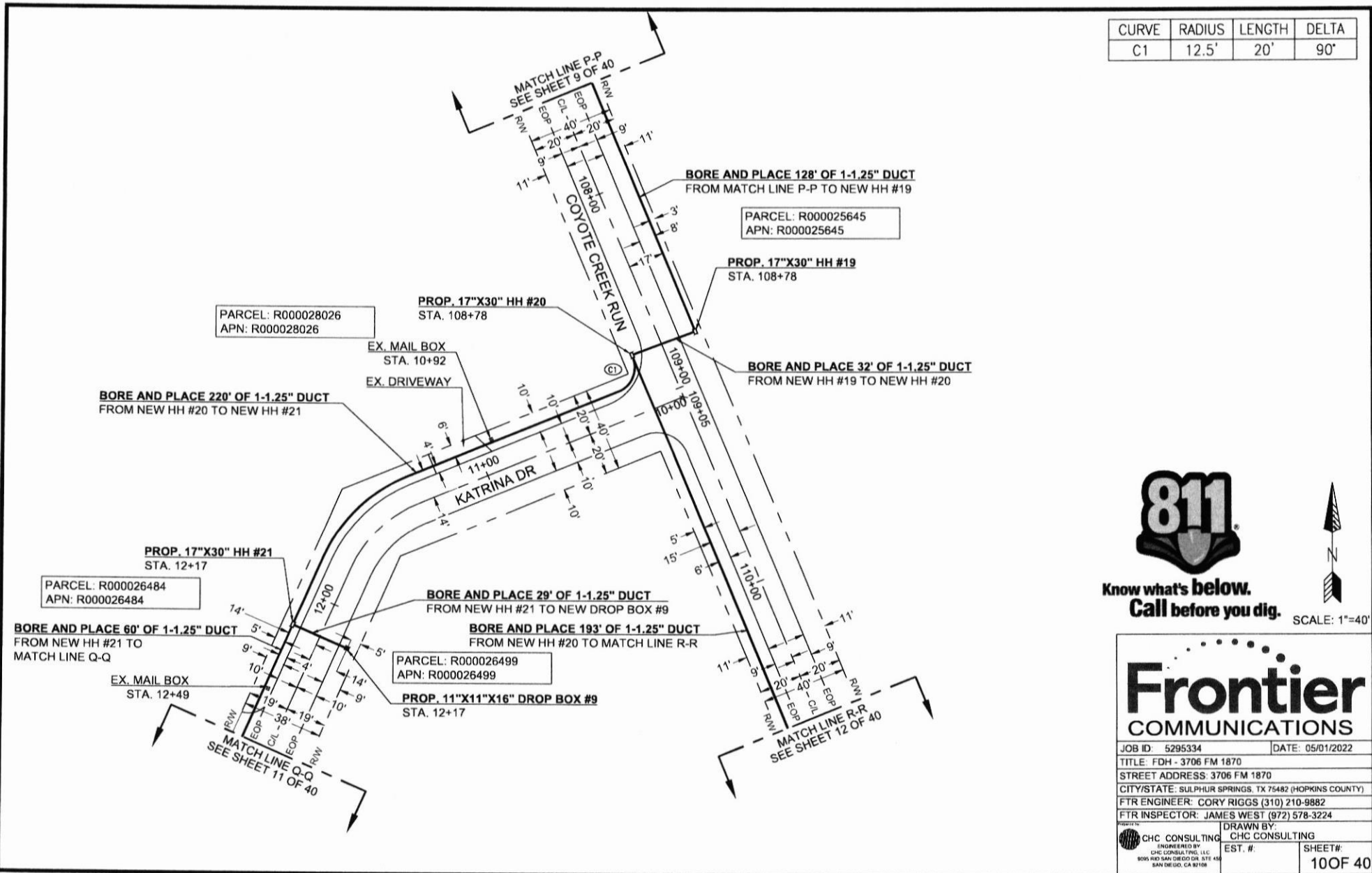
8 OF 40



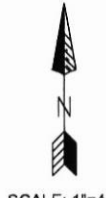
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FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
DESIGNED BY: CHC CONSULTING ENGINEERED BY: CHC CONSULTING, LLC 9095 RIO SAN DIEGO DR. STE 410 SAN DIEGO, CA 92119	DRAWN BY: CHC CONSULTING EST. #: SHEET #: 9 OF 40

CURVE	RADIUS	LENGTH	DELTA
C1	12.5'	20'	90°



Know what's below.
Call before you dig.



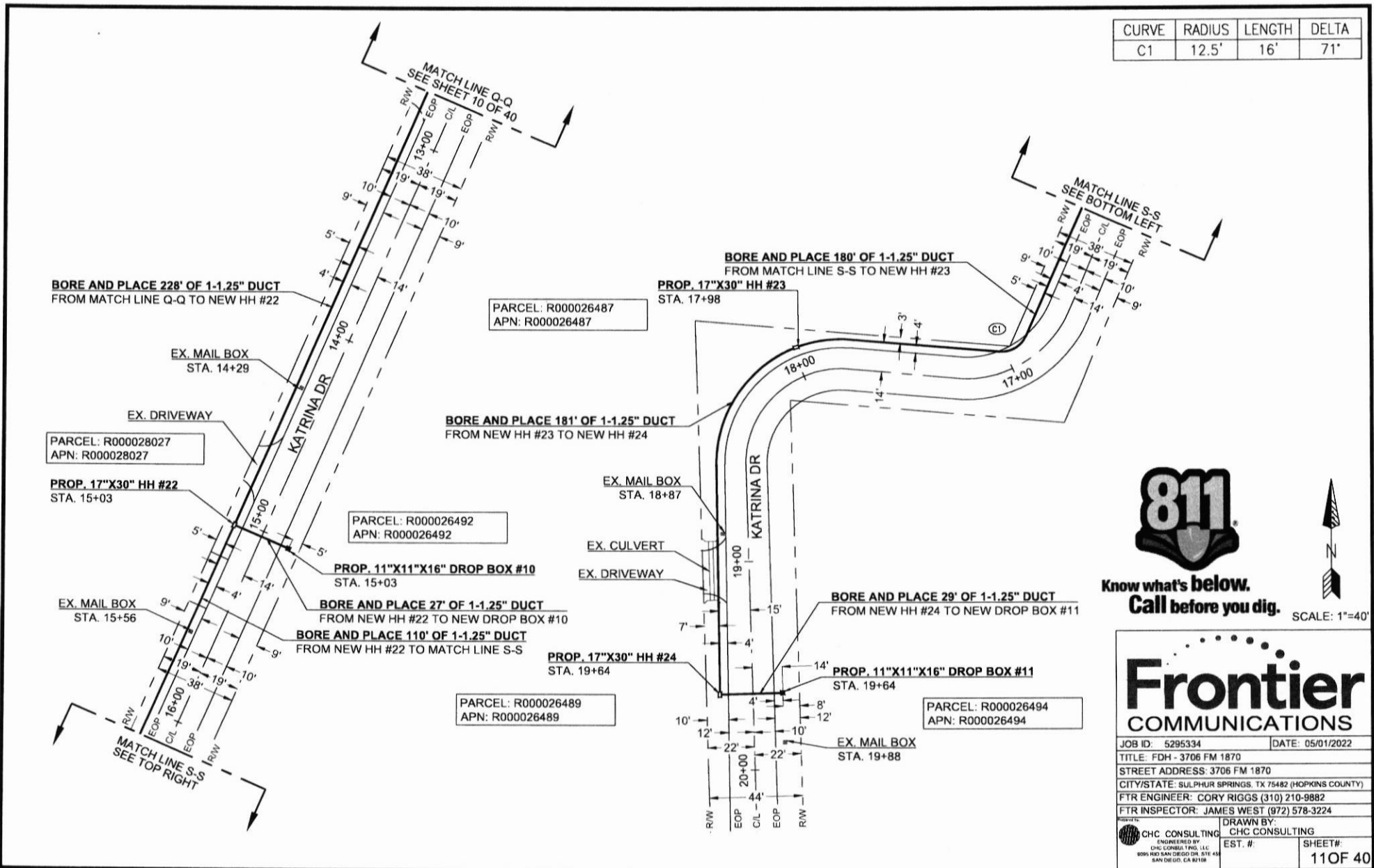
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 FTR INSPECTOR: JAMES WEST (972) 578-3224

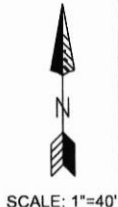
DRAWN BY: CHC CONSULTING
 EST. #:
 SHEET#: 10 OF 40

CHC CONSULTING ENGINEERED BY CHC CONSULTING, L.L.C. 8080 RIO SAN DIEGO DR. STE 450 SAN DIEGO, CA 92108

CURVE	RADIUS	LENGTH	DELTA
C1	12.5'	16'	71'



Know what's below.
Call before you dig.

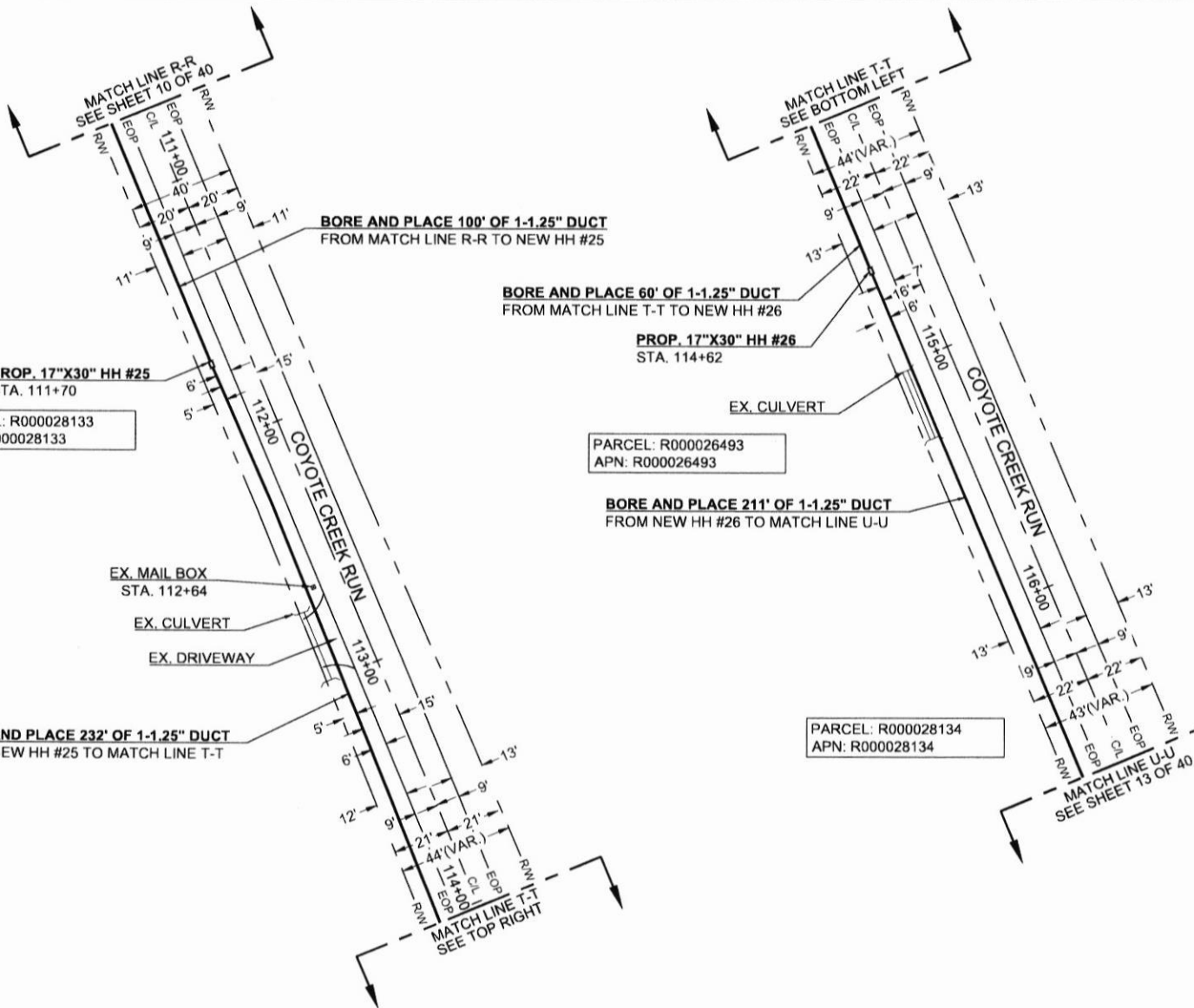


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 CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)
 FTR ENGINEER: CORY RIGGS (310) 210-9882
 FTR INSPECTOR: JAMES WEST (972) 578-3224

CHC CONSULTING
 ENGINEERED BY: CHC CONSULTING
 8000 RIO SAN DIEGO DR. STE 400
 SAN DIEGO, CA 92108

EST. # SHEET#
 11 OF 40



PARCEL: R000028133
APN: R000028133

PARCEL: R000026493
APN: R000026493

PARCEL: R000028134
APN: R000028134



Know what's below.
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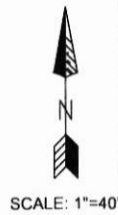
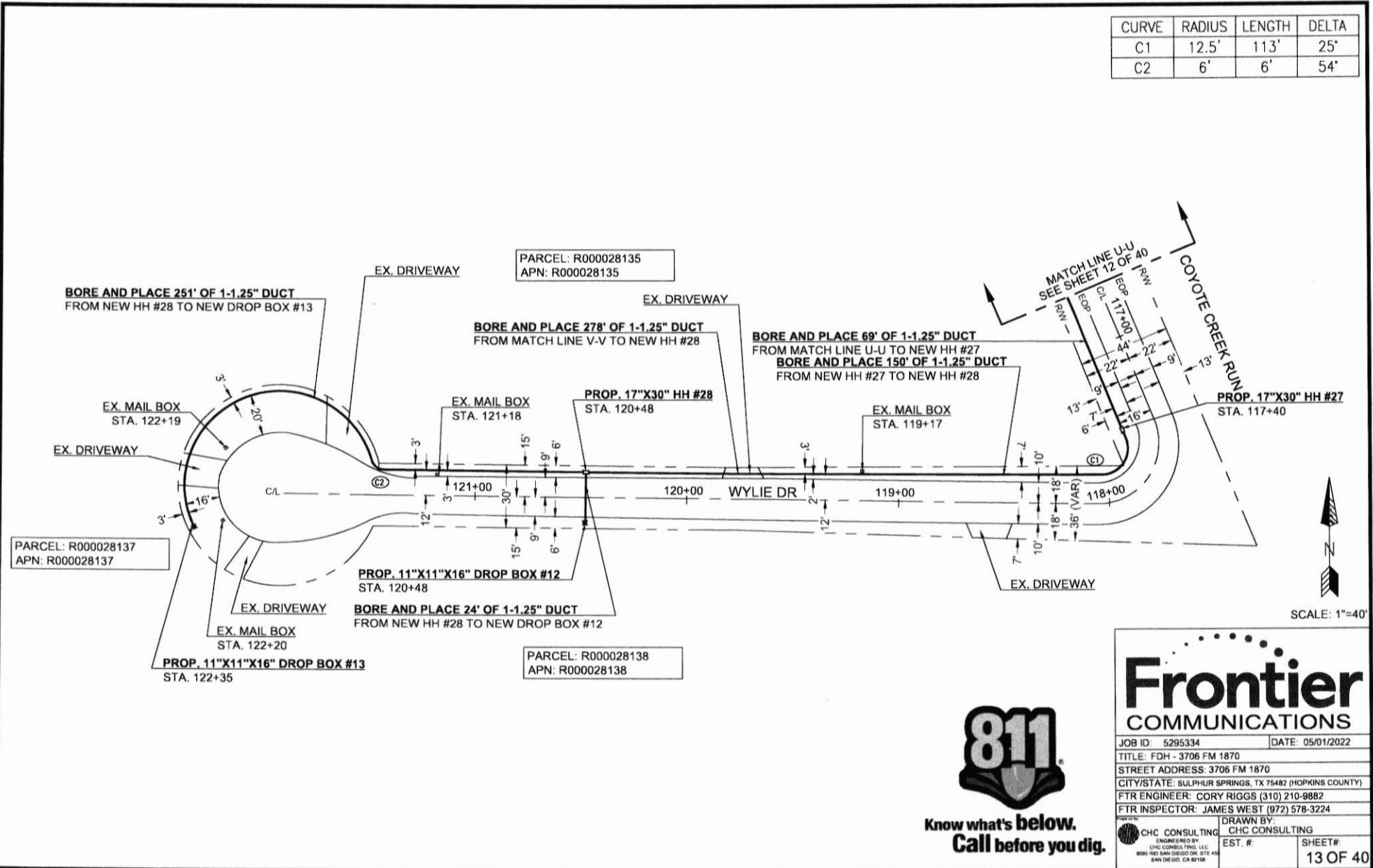


SCALE: 1"=40'

Frontier
COMMUNICATIONS

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FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY CHC CONSULTING, LLC 9055 RED SAN DIEGO DR. STE 450 SAN DIEGO, CA 92108</small>	DRAWN BY: CHC CONSULTING EST. #: SHEET#: 12 OF 40

CURVE	RADIUS	LENGTH	DELTA
C1	12.5'	113'	25'
C2	6'	6'	54'



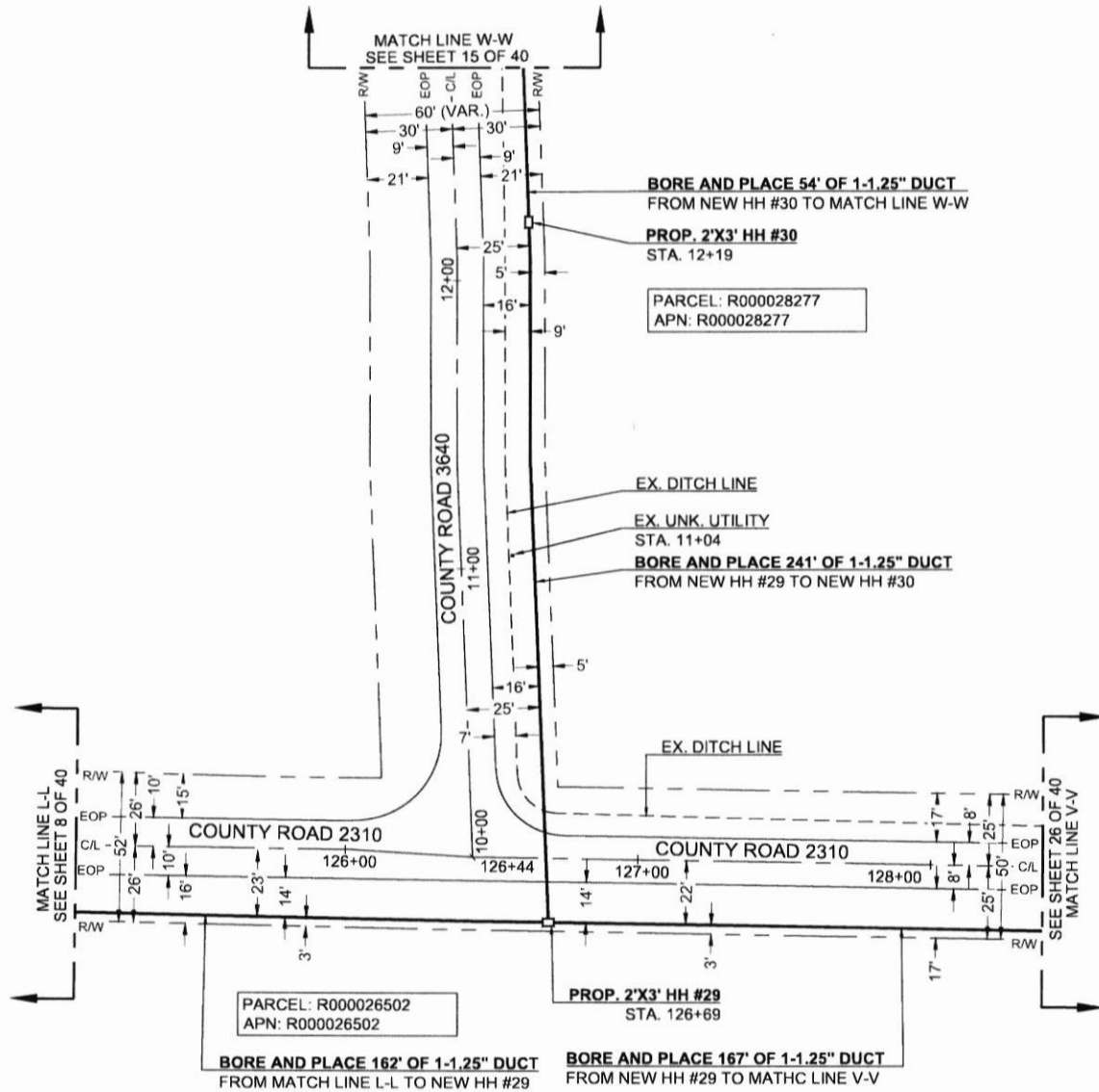
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FTR INSPECTOR: JAMES WEST (972) 578-3224	
DRAWN BY: CHC CONSULTING	EST. #:
<p>CHC CONSULTING ENGINEERED BY: CHC CONSULTING, LLC 3085 140 SAN DIEGO DR. STE. 418 SAN DIEGO, CA 92108</p>	SHEET#: 13 OF 40



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SCALE: 1"=40'

Frontier COMMUNICATIONS

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CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

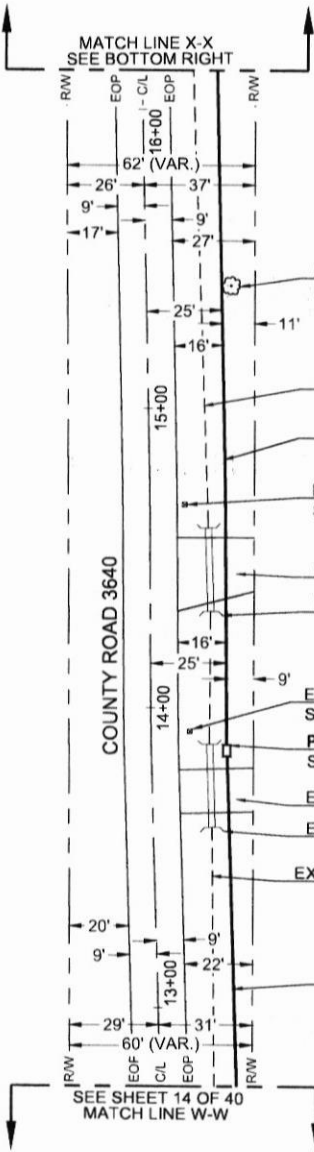
ENGINEERED BY: CHC CONSULTING

DRAWN BY: CHC CONSULTING

EST. #: SHEET#: 14 OF 40

CHC CONSULTING
ENGINEERED BY
CHC CONSULTING, LLC
8045 RED SAN DIEGO DR. STE 454
SAN DIEGO, CA 92108

CURVE	RADIUS	LENGTH	DELTA
C1	6'	7'	71°



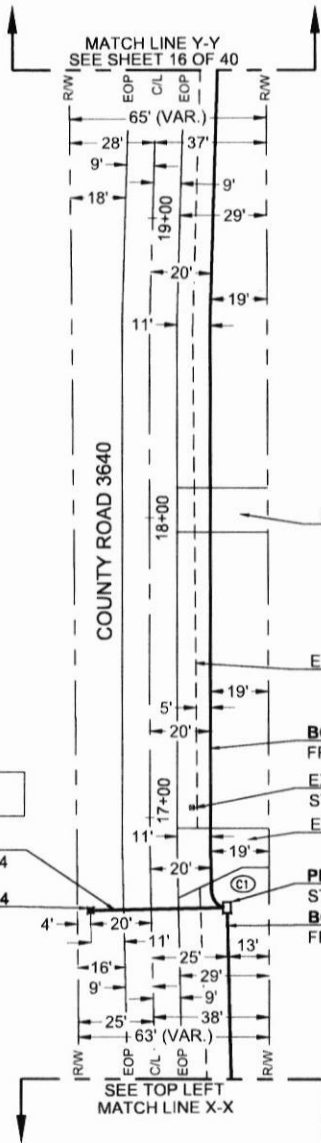
PARCEL: R000028278
APN: R000028278

PARCEL: R000011573
APN: R000011573

BORE AND PLACE 45' OF 1-1.25" DUCT
FROM NEW HH #32 TO NEW DROP BOX #14

PROP. 11"X11"X16" DROP BOX #14
STA. 16+70

BORE AND PLACE 112' OF 1-1.25" DUCT
FROM MATCH LINE W-W TO NEW HH #31



PARCEL: R000011620
APN: R000011620

BORE AND PLACE 282' OF 1-1.25" DUCT
FROM NEW HH #32 TO MATCH LINE Y-Y

EX. MAIL BOX
STA. 17+04
EX. DRIVEWAY

PROP. 2'X3' HH #32
STA. 16+70
BORE AND PLACE 57' OF 1-1.25" DUCT
FROM MATCH LINE X-X TO NEW HH #32



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SCALE: 1"=40'

Frontier COMMUNICATIONS

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TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

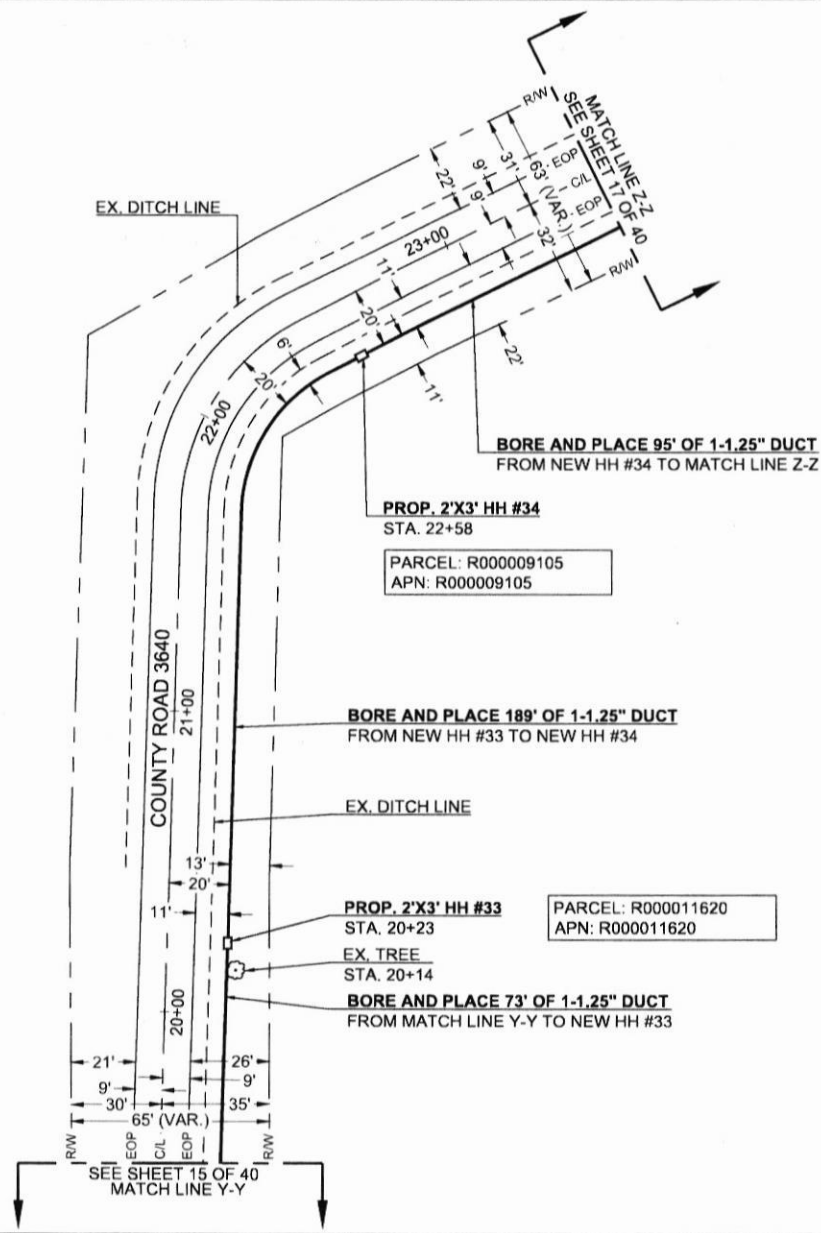
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

CHC CONSULTING ENGINEER BY: CHC CONSULTING

EST. # SHEET#:
15 OF 40



Know what's below.
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SCALE: 1"=40'

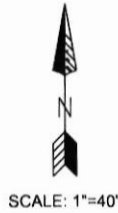
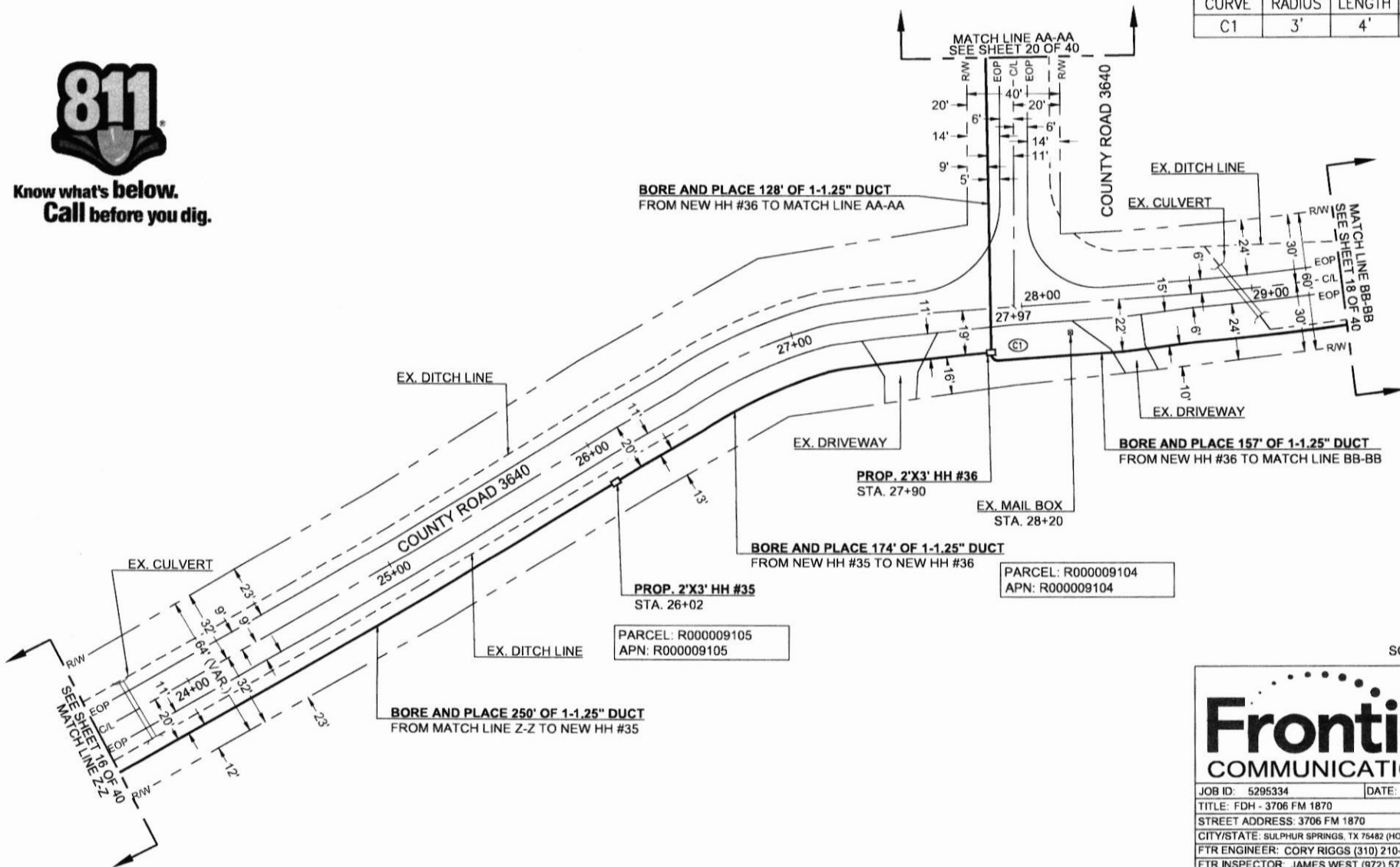
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FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY CHC CONSULTING, LLC 9095 RIO SAN DIEGO DR, STE 410 SAN DIEGO, CA 92128</small>	DRAWN BY: CHC CONSULTING EST. #: SHEET#:
	16 OF 40



Know what's below.
Call before you dig.

CURVE	RADIUS	LENGTH	DELTA
C1	3'	4'	79°



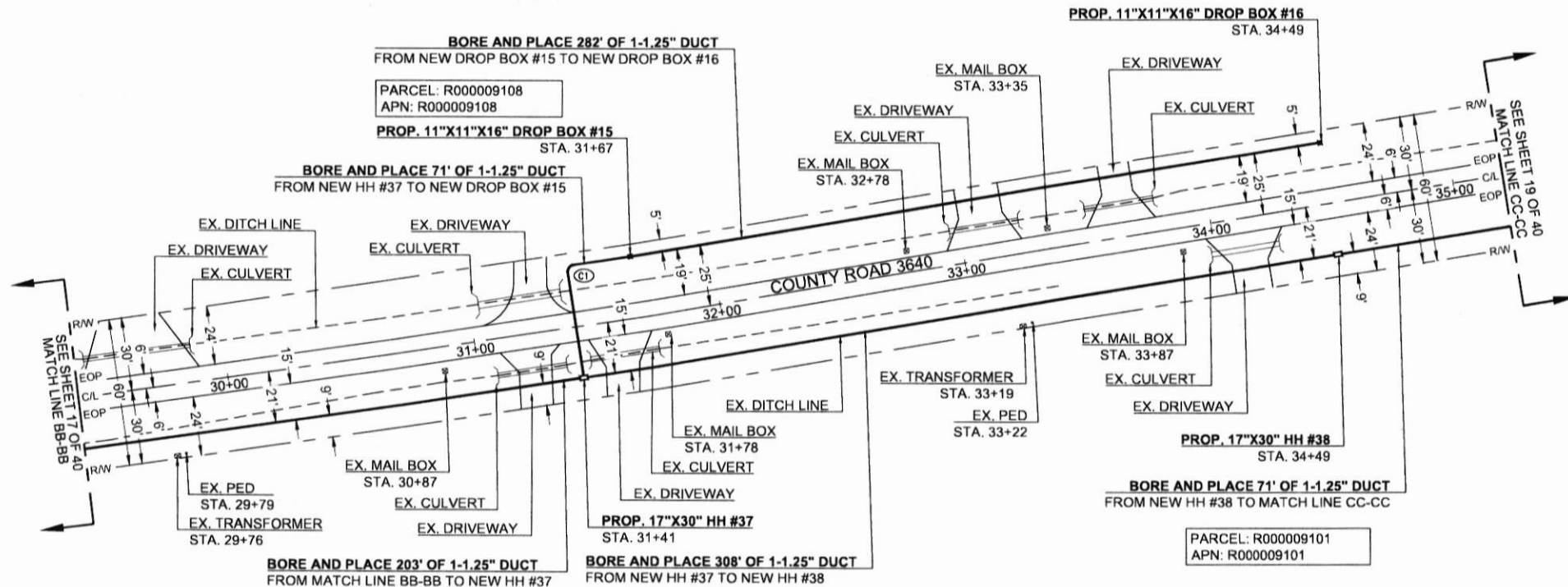
Frontier COMMUNICATIONS

JOB ID: 5295334 | DATE: 05/01/2022
 TITLE: FDH - 3706 FM 1870
 STREET ADDRESS: 3706 FM 1870
 CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)
 FTR ENGINEER: CORY RIGGS (310) 210-9882
 FTR INSPECTOR: JAMES WEST (972) 578-3224

CHC CONSULTING ENGINEERS
 CHC CONSULTING
 EST. # | SHEET#: 17 OF 40

CURVE	RADIUS	LENGTH	DELTA
C1	3'	5'	90'

PARCEL: R000009109
APN: R000009109

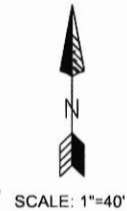


PARCEL: R000009102
APN: R000009102

PARCEL: R000009101
APN: R000009101



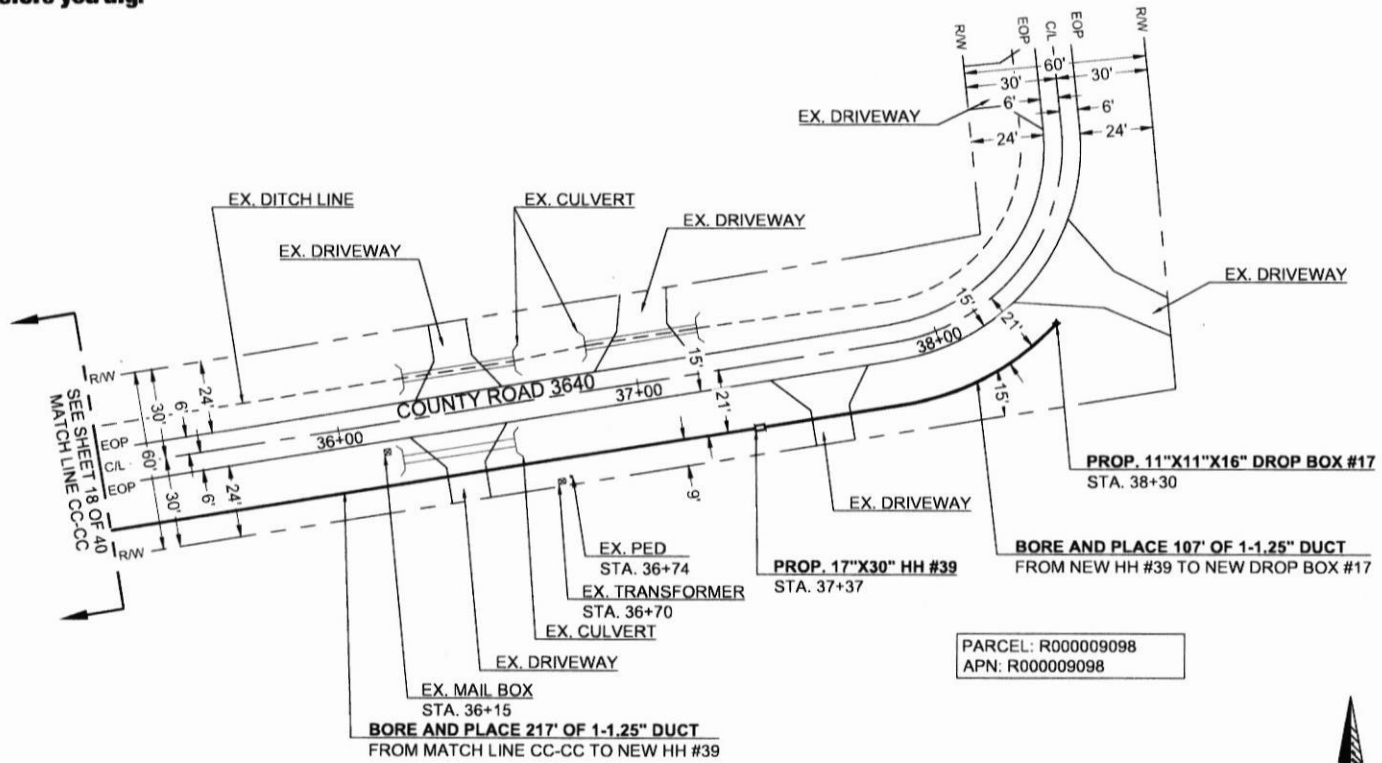
Know what's below.
Call before you dig.



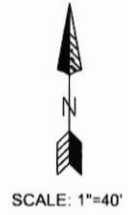
JOB ID: 5295334		DATE: 05/01/2022	
TITLE: FDH - 3706 FM 1870			
STREET ADDRESS: 3706 FM 1870			
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)			
FTR ENGINEER: CORY RIGGS (310) 210-9882			
FTR INSPECTOR: JAMES WEST (972) 578-3224			
ENGINEERED BY: CHC CONSULTING		DRAWN BY: CHC CONSULTING	
EST. #:		SHEET #:	
8095 MID SAN DIEGO DR. STE. 408 SAN DIEGO, CA 92108		18 OF 40	



Know what's below.
Call before you dig.



PARCEL: R000009098
APN: R000009098



Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022

TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

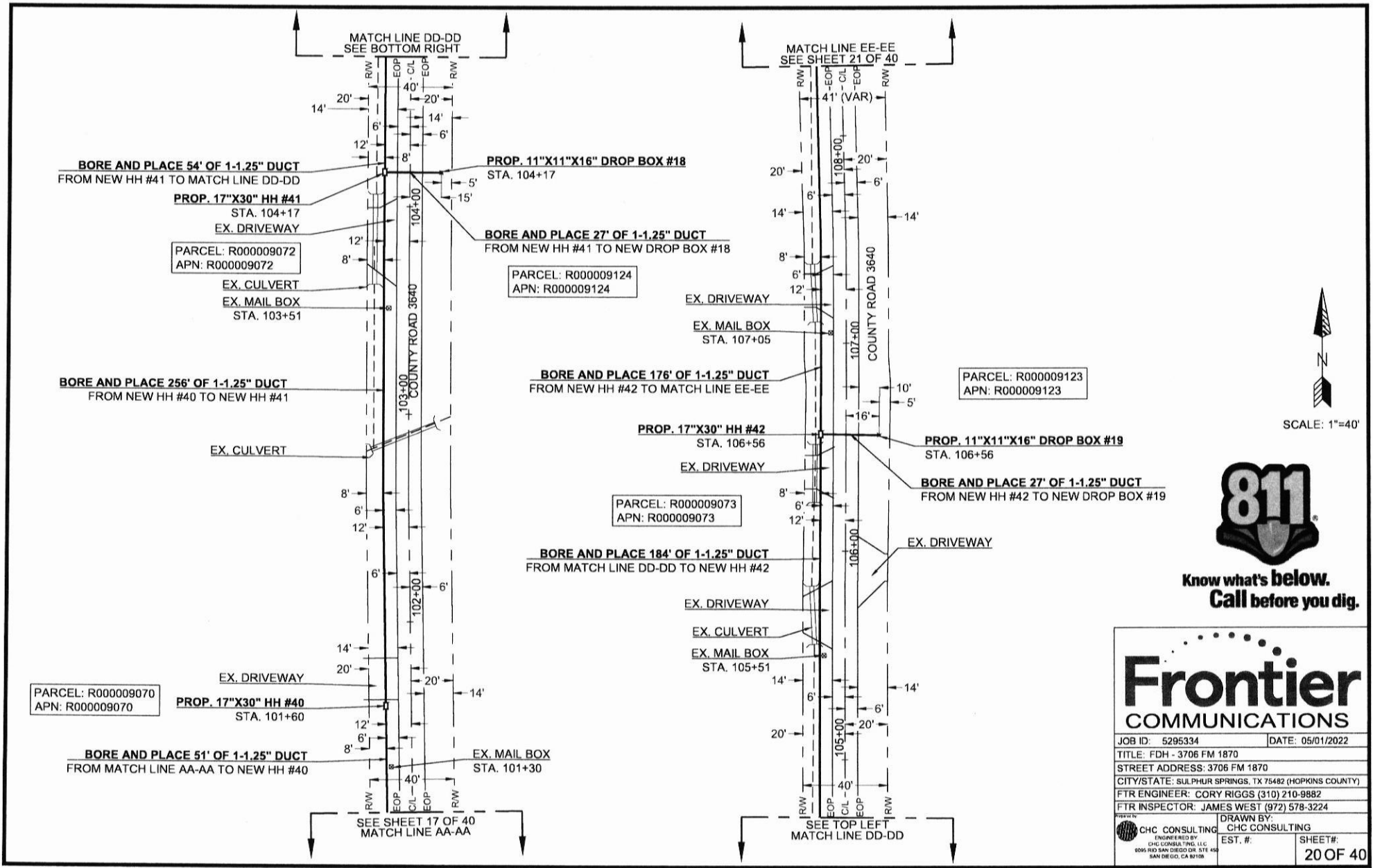
FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING

DRAWN BY: CHC CONSULTING

EST. #: SHEET#

19 OF 40



SCALE: 1"=40'



Know what's below.
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Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022

TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

DESIGNED BY: CHC CONSULTING

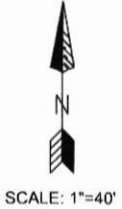
ENGINEERED BY: CHC CONSULTING

CHC CONSULTING, INC. LLC
8005 RIO SAN DIEGO DR. STE 400
SAN DIEGO, CA 92108

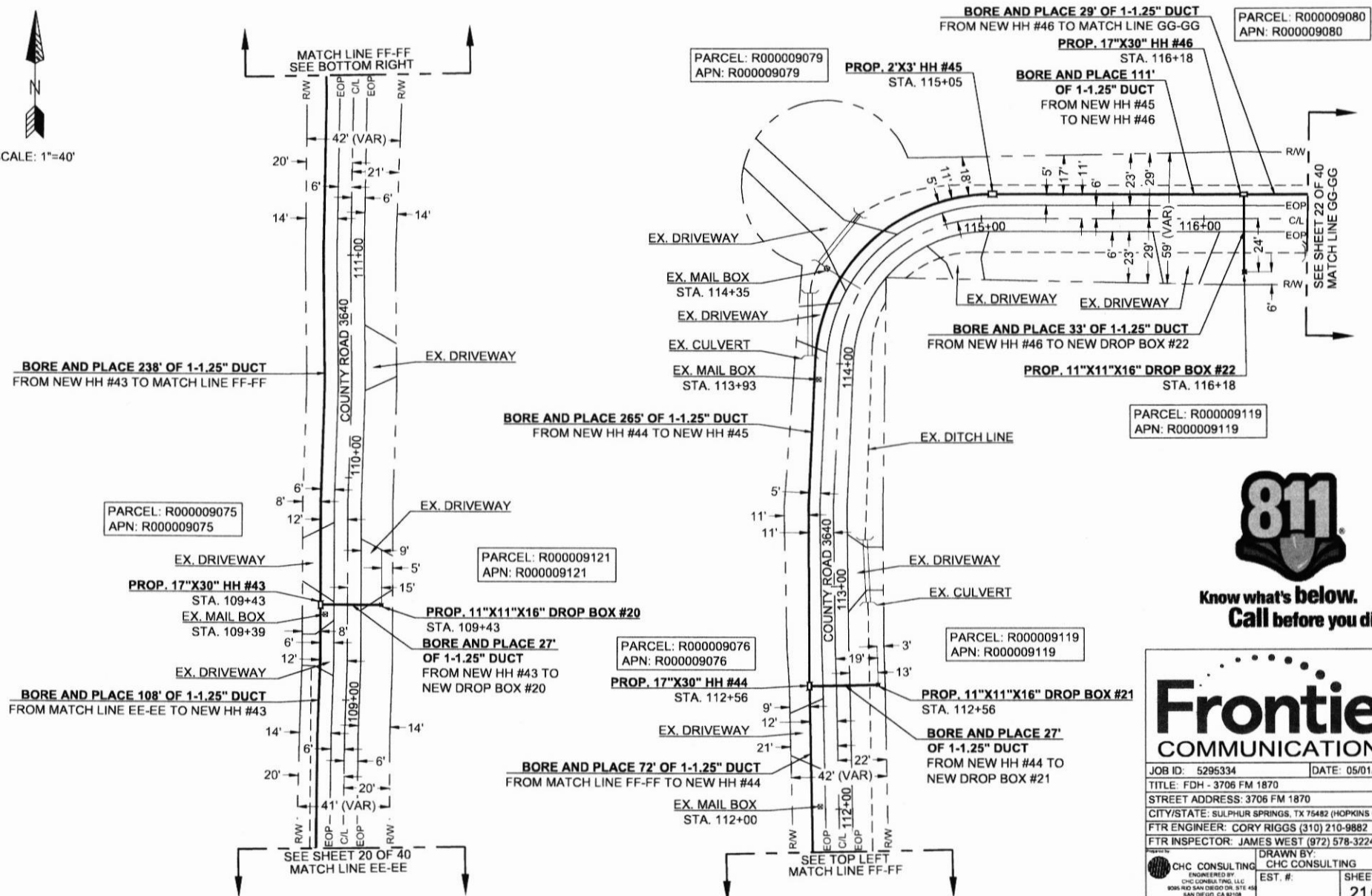
EST. #:

DRAWN BY: CHC CONSULTING

SHEET#: 20 OF 40



SCALE: 1"=40'



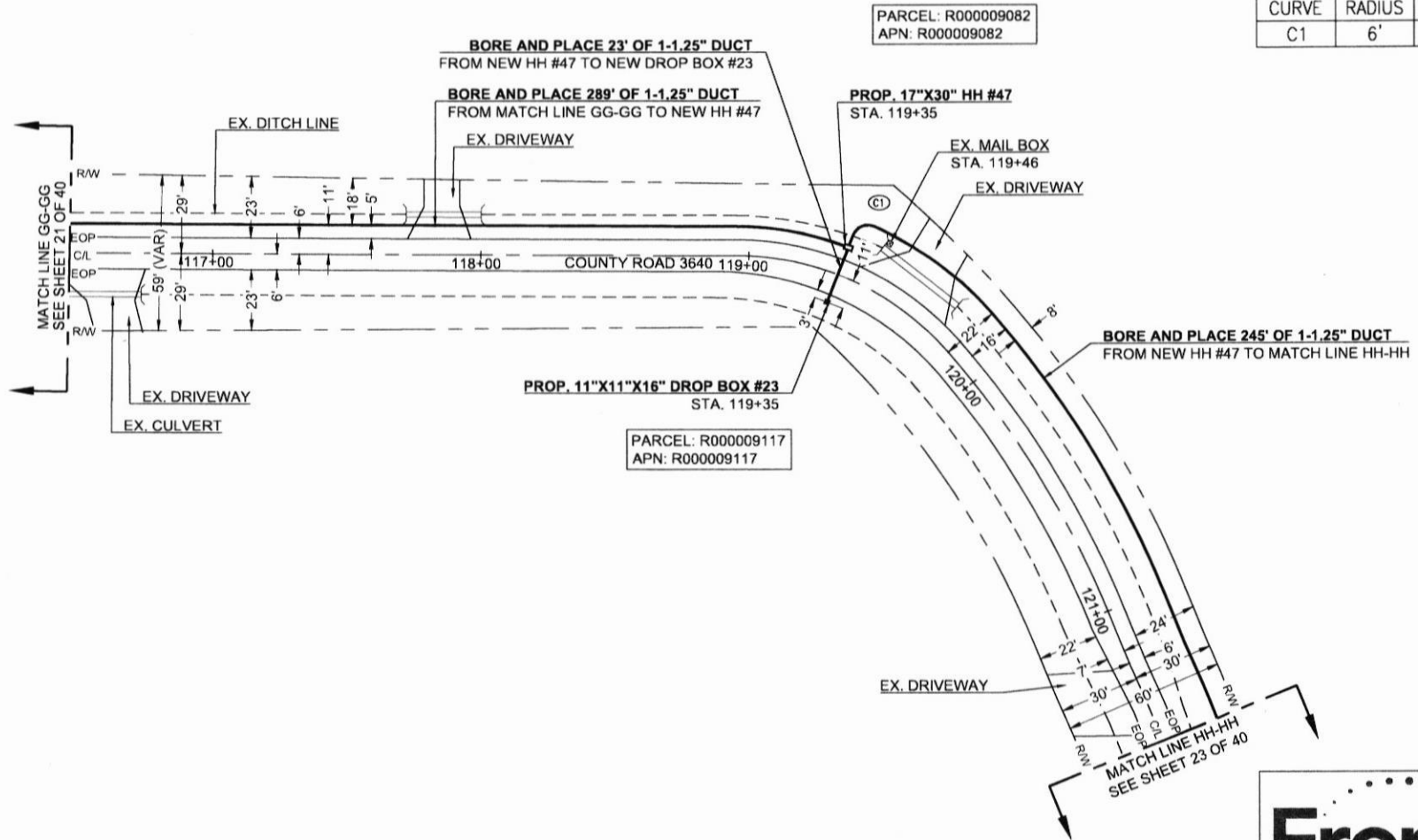
Know what's below.
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Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022
 TITLE: FDH - 3706 FM 1870
 STREET ADDRESS: 3706 FM 1870
 CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)
 FTR ENGINEER: CORY RIGGS (310) 210-9882
 FTR INSPECTOR: JAMES WEST (972) 578-3224

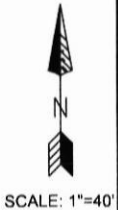
CHC CONSULTING ENGINEERS
 CHC CONSULTING EST. #
 SHEET#:
21 OF 40

CURVE	RADIUS	LENGTH	DELTA
C1	6'	10'	93'



PARCEL: R000009082
APN: R000009082

PARCEL: R000009117
APN: R000009117



Know what's below.
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Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022

TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING
CHC CONSULTING, INC.
9055 RIO SAN DIEGO DR. STE 418
SAN DIEGO, CA 92108

EST. #

SHEET#
22 OF 40

CURVE	RADIUS	LENGTH	DELTA
C1	3'	5'	95°
C2	12'	19'	93°

PARCEL: R000009085
APN: R000009085

BORE AND PLACE 169' OF 1-1.25" DUCT
FROM NEW HH #49 TO MATCH LINE JJ-JJ

BORE AND PLACE 145' OF 1-1.25" DUCT
FROM MATCH LINE II-II TO NEW HH #49

EX. UNK. UTILITY
STA. 125+75

PROP. 2'X3' HH #49
STA. 125+85

BORE AND PLACE 245' OF 1-1.25" DUCT
FROM MATCH LINE HH-HH TO NEW HH #48

PARCEL: R000009083
APN: R000009083

EX. MAIL BOX
STA. 112+61

PROP. 17"X30" HH #48
STA. 122+76

EX. UNK. UTILITY
STA. 122+92

EX. DRIVEWAY

BORE AND PLACE 157' OF 1-1.25" DUCT
FROM NEW HH #48 TO MATCH LINE II-II

BORE AND PLACE 129' OF 1-1.25" DUCT
FROM NEW HH #49 TO MATCH LINE KK-KK

BORE AND PLACE 113' OF 1-1.25" DUCT
FROM NEW HH #48 TO NEW DROP BOX #24

EX. DRIVEWAY

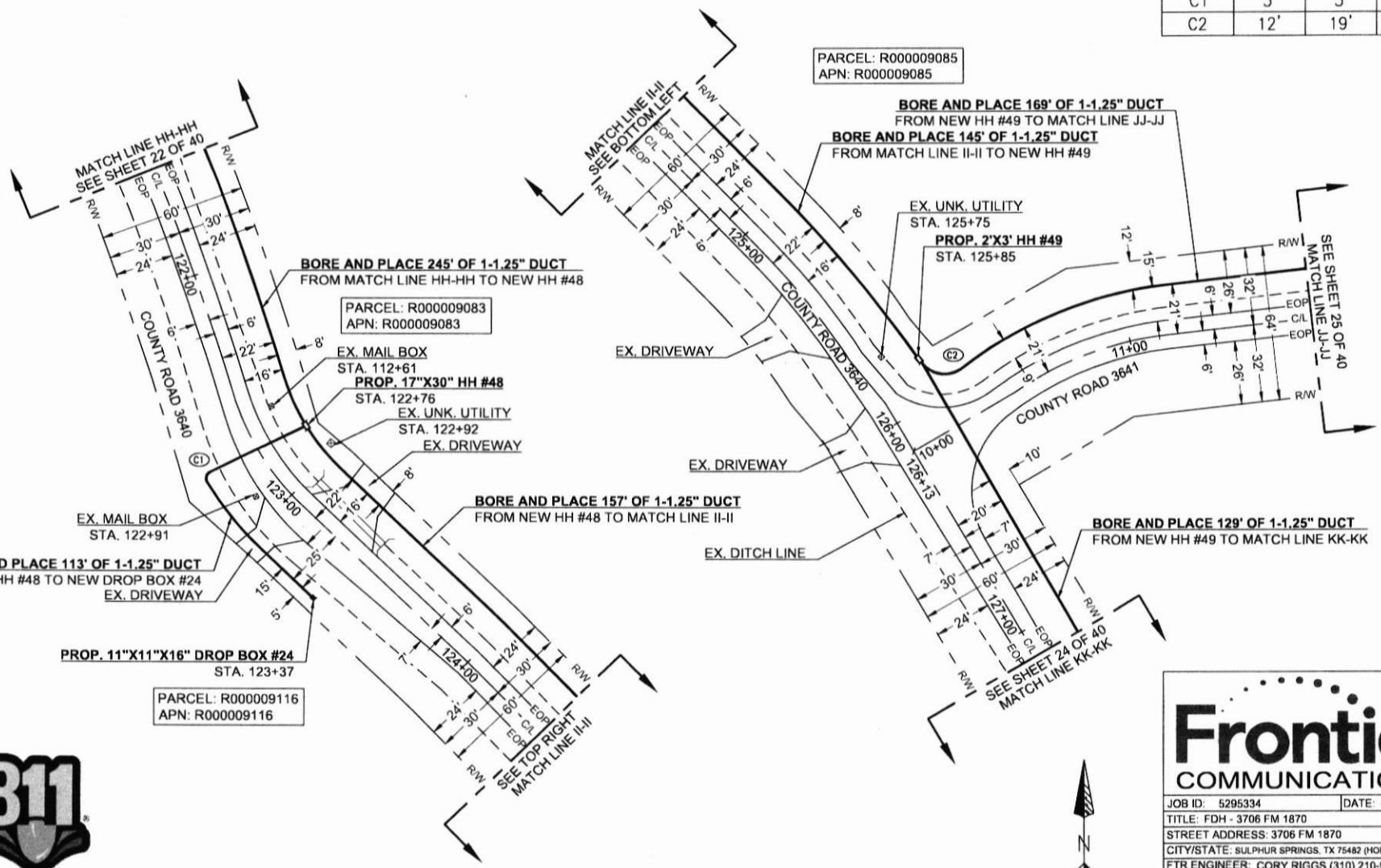
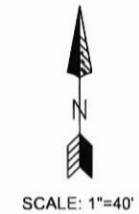
PROP. 11"X11"X16" DROP BOX #24
STA. 123+37

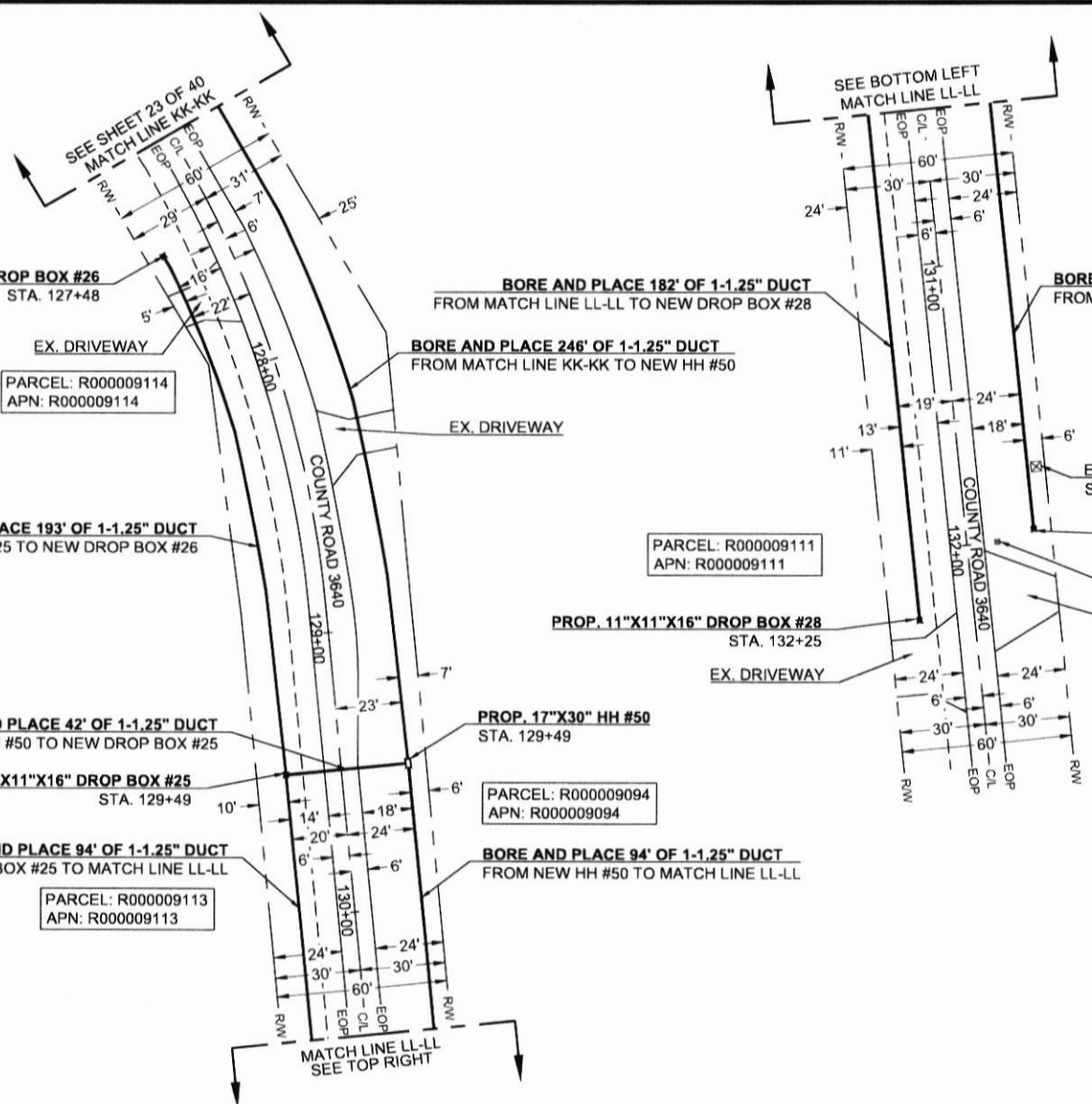
PARCEL: R000009116
APN: R000009116



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JOB ID: 5295334		DATE: 05/01/2022	
TITLE: FDH - 3706 FM 1870			
STREET ADDRESS: 3706 FM 1870			
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)			
FTR ENGINEER: CORY RIGGS (310) 210-9882			
FTR INSPECTOR: JAMES WEST (972) 578-3224			
ENGINEERED BY: CHC CONSULTING		DRAWN BY: CHC CONSULTING	
EST. #:		SHEET#:	
8035 RIO SAN DIEGO DR, STE 410 SAN DIEGO, CA 92108		23 OF 40	





PROP. 11"X11"X16" DROP BOX #26
STA. 127+48

PARCEL: R000009114
APN: R000009114

BORE AND PLACE 182' OF 1-1.25" DUCT
FROM MATCH LINE LL-LL TO NEW DROP BOX #28

BORE AND PLACE 246' OF 1-1.25" DUCT
FROM MATCH LINE KK-KK TO NEW HH #50

BORE AND PLACE 153' OF 1-1.25" DUCT
FROM MATCH LINE LL-LL TO NEW DROP BOX #27

PARCEL: R000009095
APN: R000009095

BORE AND PLACE 193' OF 1-1.25" DUCT
FROM NEW DROP BOX #25 TO NEW DROP BOX #26

PARCEL: R000009111
APN: R000009111

PROP. 11"X11"X16" DROP BOX #28
STA. 132+25

PROP. 11"X11"X16" DROP BOX #27
STA. 131+96

EX. MAIL BOX
STA. 132+00
EX. DRIVEWAY

BORE AND PLACE 42' OF 1-1.25" DUCT
FROM NEW HH #50 TO NEW DROP BOX #25

PROP. 17"X30" HH #50
STA. 129+49

PROP. 11"X11"X16" DROP BOX #25
STA. 129+49

PARCEL: R000009094
APN: R000009094

BORE AND PLACE 94' OF 1-1.25" DUCT
FROM NEW DROP BOX #25 TO MATCH LINE LL-LL

BORE AND PLACE 94' OF 1-1.25" DUCT
FROM NEW HH #50 TO MATCH LINE LL-LL

PARCEL: R000009113
APN: R000009113



Know what's below.
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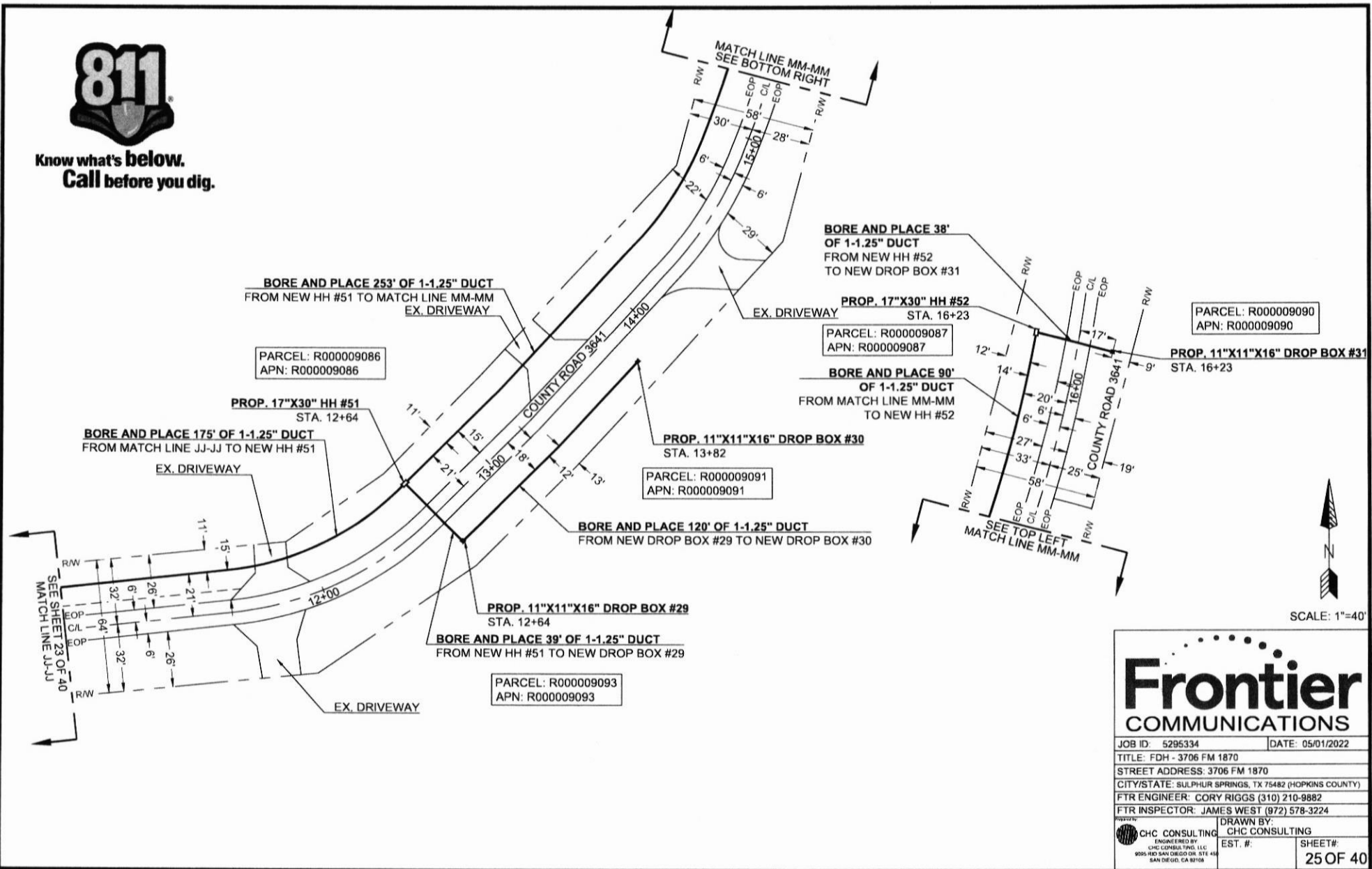


SCALE: 1"=40'

Frontier COMMUNICATIONS	
JOB ID: 5295334	DATE: 05/01/2022
TITLE: FDH - 3706 FM 1870	
STREET ADDRESS: 3706 FM 1870	
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)	
FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY CHC CONSULTING, INC. LLC 9085 RIO SAN DIEGO DR. STE 410 SAN DIEGO, CA 92128</small>	DRAWN BY: CHC CONSULTING EST. #: SHEET#: 24 OF 40



Know what's below.
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Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022

TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING

DRAWN BY: CHC CONSULTING

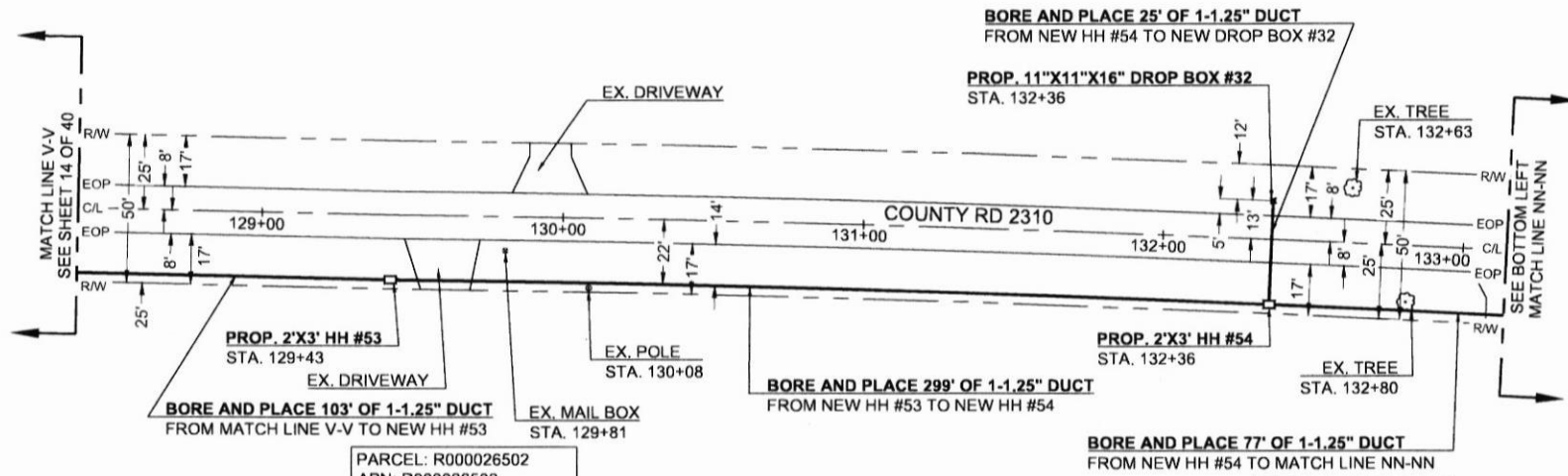
EST. #

SHEET#: 25 OF 40

PARCEL: R000028276
APN: R000028276



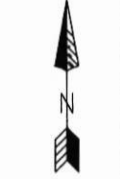
Know what's below.
Call before you dig.



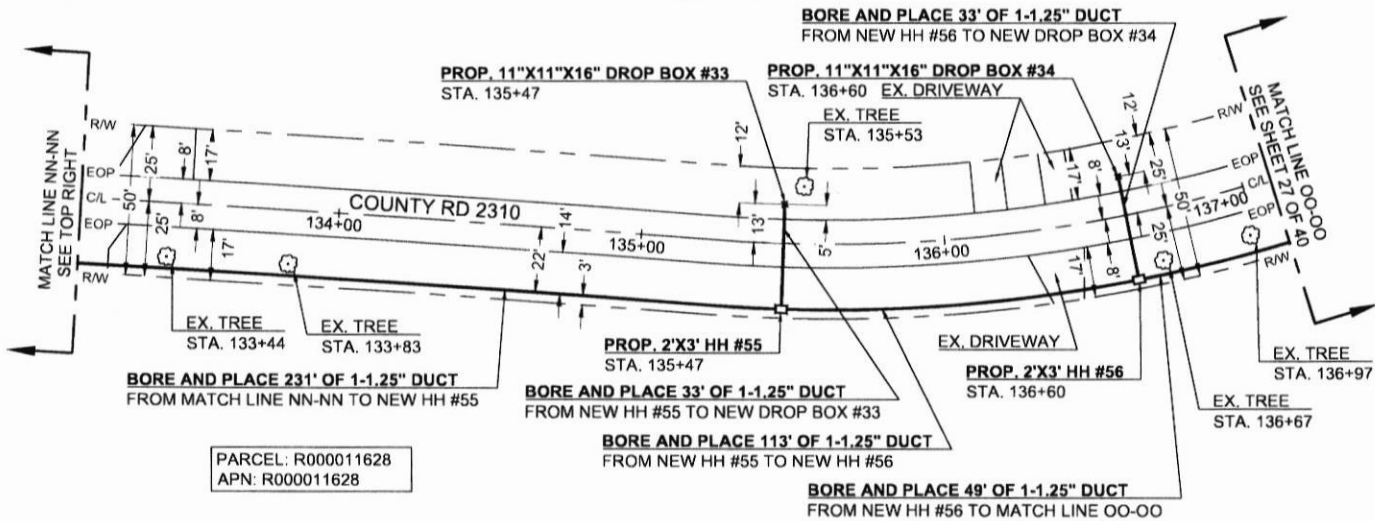
PARCEL: R000026502
APN: R000026502

PARCEL: R000011629
APN: R000011629

PARCEL: R000011628
APN: R000011628



SCALE: 1"=40'



PARCEL: R000011628
APN: R000011628

PARCEL: R000011626
APN: R000011626

Frontier COMMUNICATIONS

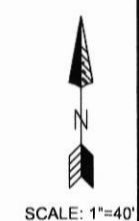
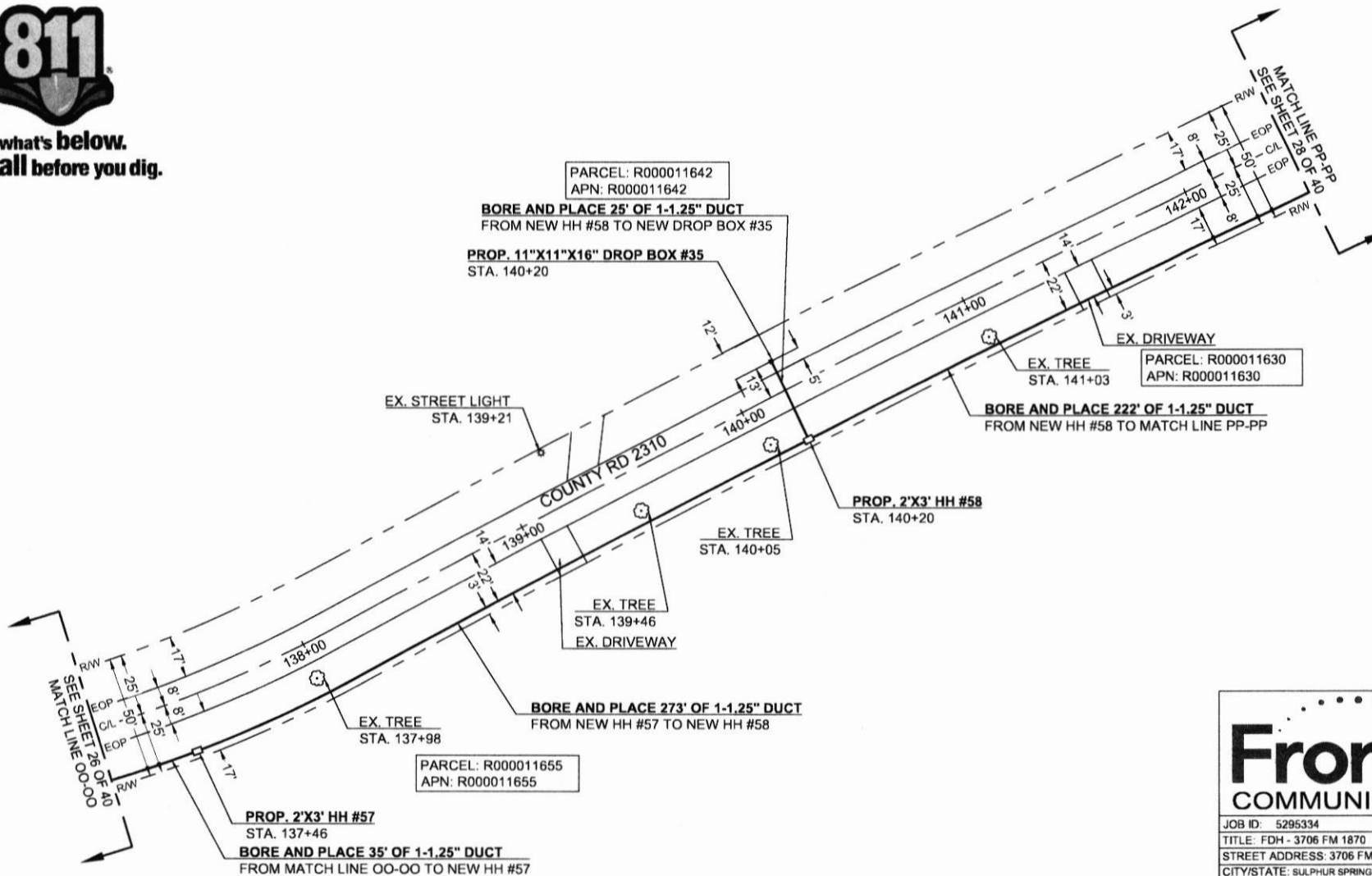
JOB ID: 5295334 DATE: 05/01/2022
 TITLE: FDH - 3706 FM 1870
 STREET ADDRESS: 3706 FM 1870
 CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)
 FTR ENGINEER: CORY RIGGS (310) 210-9882
 FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING
ENGINEERED BY: CHC CONSULTING
 LIC. CONSOLE PROJ. LLC
 8095 HUNTSVILLE DR. STE 404
 SAN DIEGO, CA 92128

EST. #: SHEET#: 26 OF 40



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Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022
 TITLE: FDH - 3706 FM 1870
 STREET ADDRESS: 3706 FM 1870
 CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)
 FTR ENGINEER: CORY RIGGS (310) 210-9882
 FTR INSPECTOR: JAMES WEST (972) 578-3224

CHC CONSULTING ENGINEERED BY
 CHC CONSULTING EST. #
 CHC CONSULTING DRAWN BY
 CHC CONSULTING SHEET#

27 OF 40

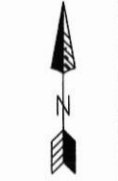
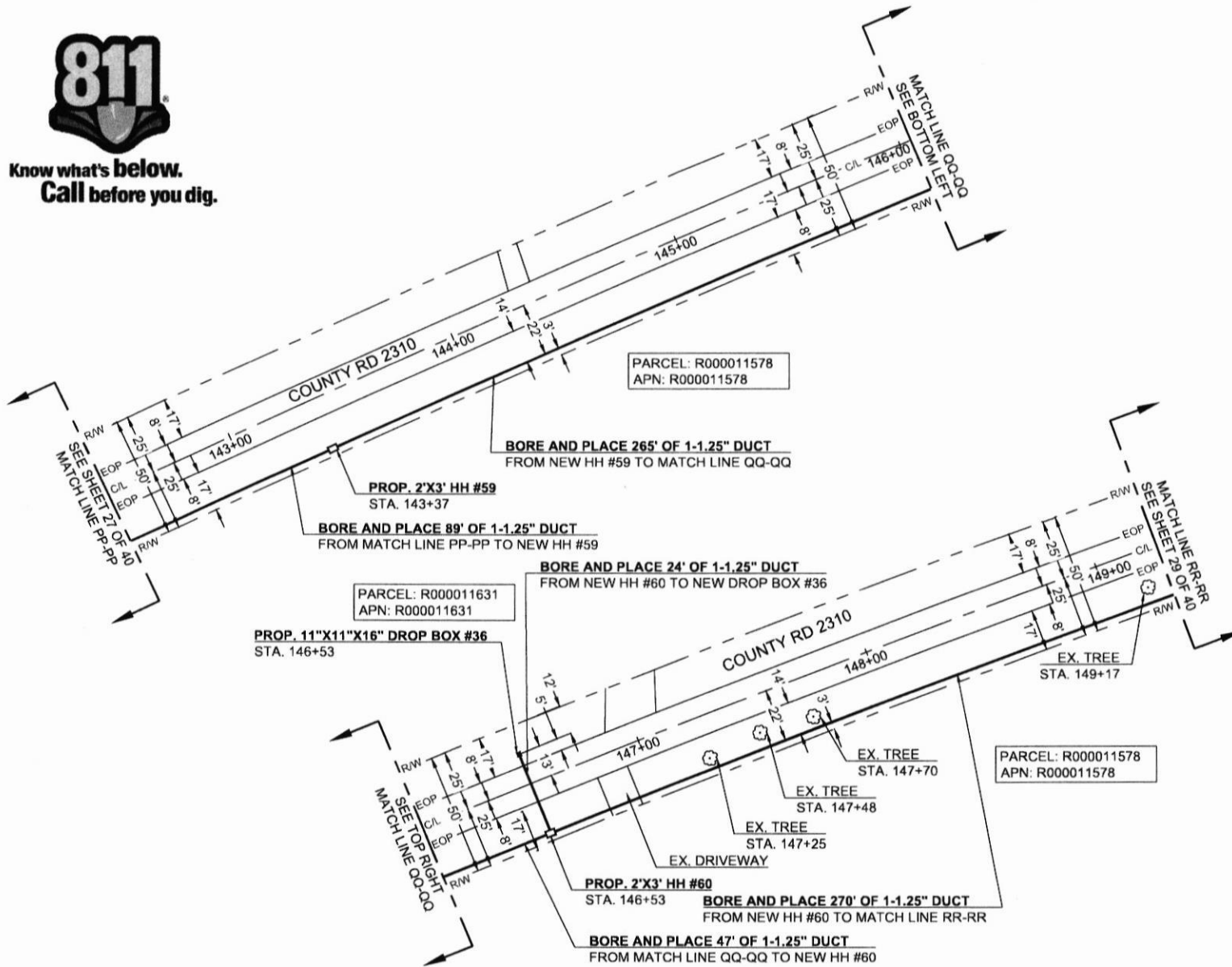
PARCEL: R000011642
APN: R000011642

PARCEL: R000011630
APN: R000011630

PARCEL: R000011655
APN: R000011655



Know what's below.
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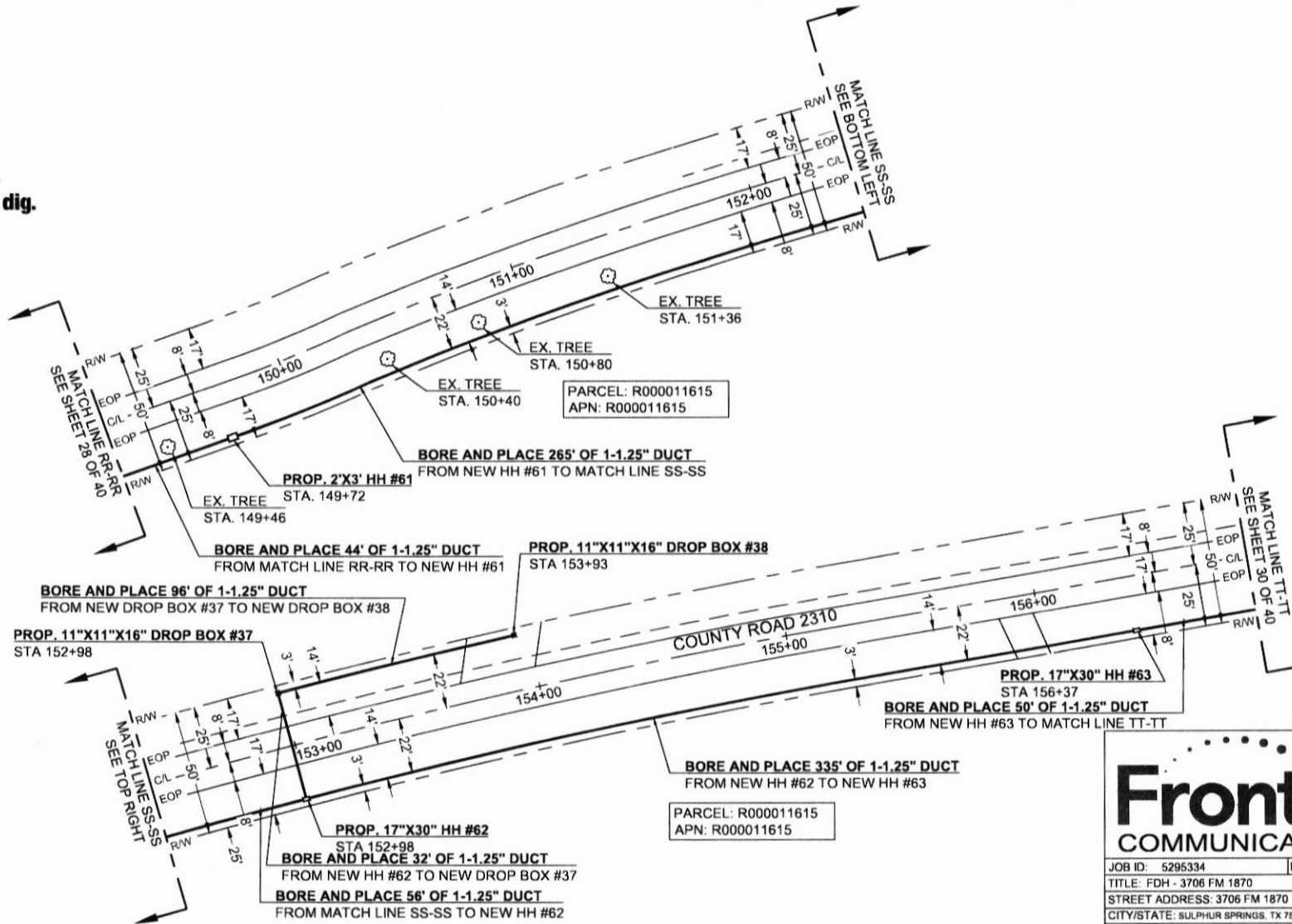


SCALE: 1"=40'

Frontier COMMUNICATIONS	
JOB ID: 5295334	DATE: 05/01/2022
TITLE: FDH - 3706 FM 1870	
STREET ADDRESS: 3706 FM 1870	
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)	
FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY LUCY LONGBA FPGO LLC 9095 RED SAN DIEGO DR. STE 45 SAN DIEGO, CA 92108</small>	DRAWN BY: CHC CONSULTING EST. #: SHEET #: 28 OF 40



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Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022

TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING

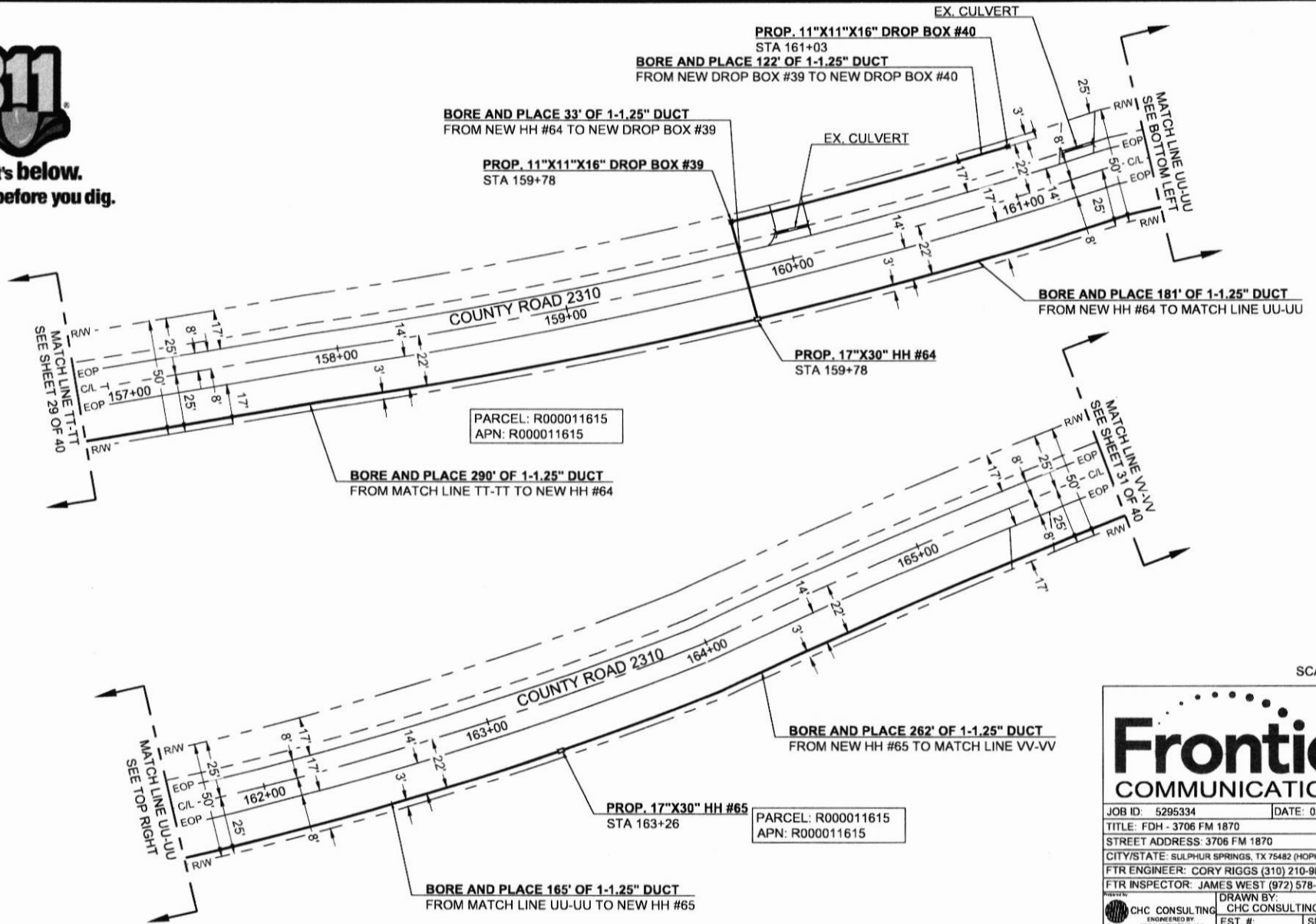
DRAWN BY: CHC CONSULTING

EST. #:

SHEET#: 29 OF 40



Know what's below.
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PARCEL: R000011615
APN: R000011615

PARCEL: R000011615
APN: R000011615

SCALE: 1"=40'

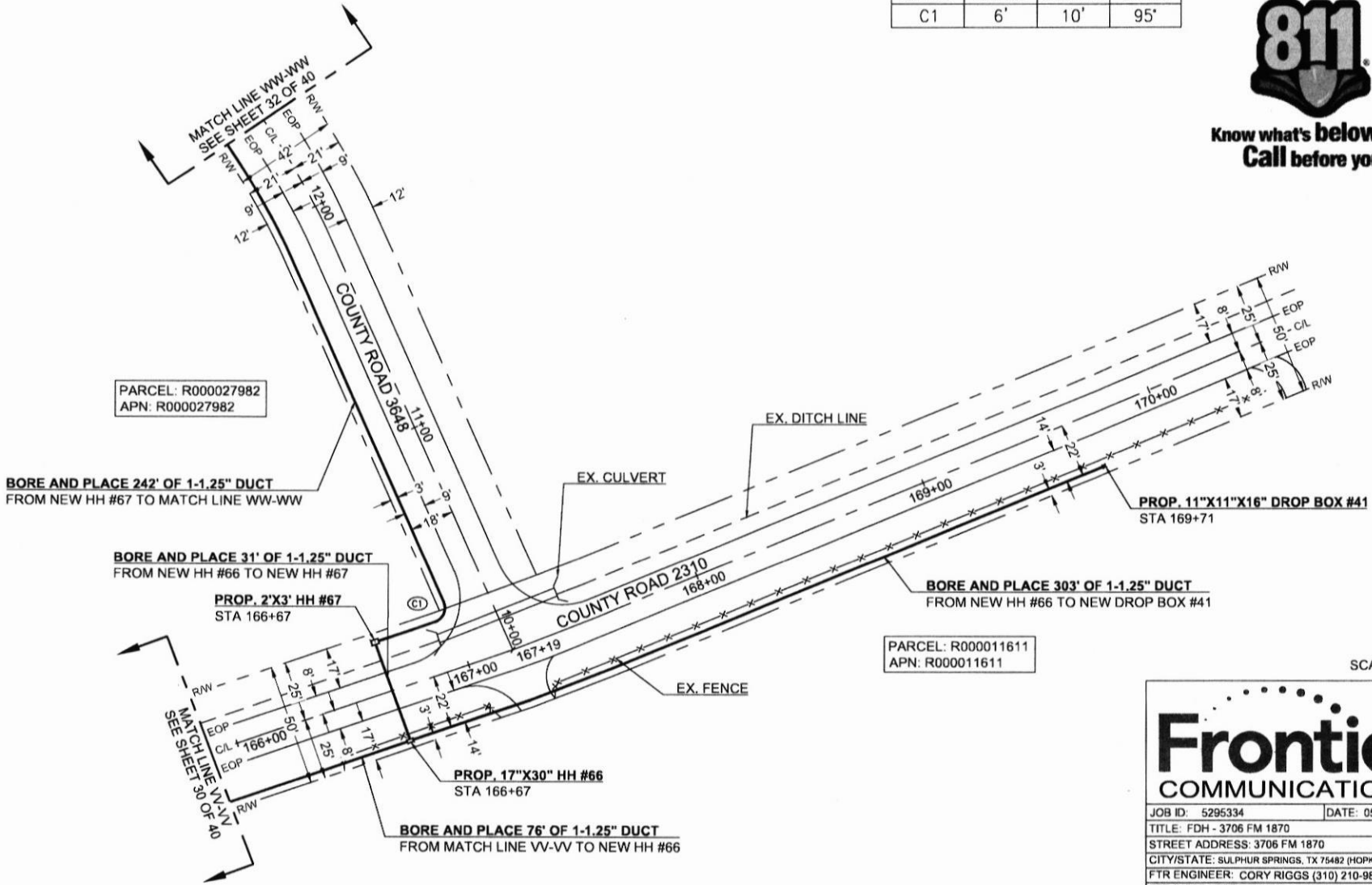
Frontier COMMUNICATIONS

JOB ID: 5295334	DATE: 05/01/2022
TITLE: FDH - 3706 FM 1870	
STREET ADDRESS: 3706 FM 1870	
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)	
FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY CHC CONSULTING, LLC 9005 RED SAN DIEGO DR. STE. 404 SAN DIEGO, CA 92108</small>	DRAWN BY: CHC CONSULTING EST. #: SHEET #: 30 OF 40

CURVE	RADIUS	LENGTH	DELTA
C1	6'	10'	95'



Know what's below.
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SCALE: 1"=40'

Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022

TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING

ENGINEERED BY: CHC CONSULTING

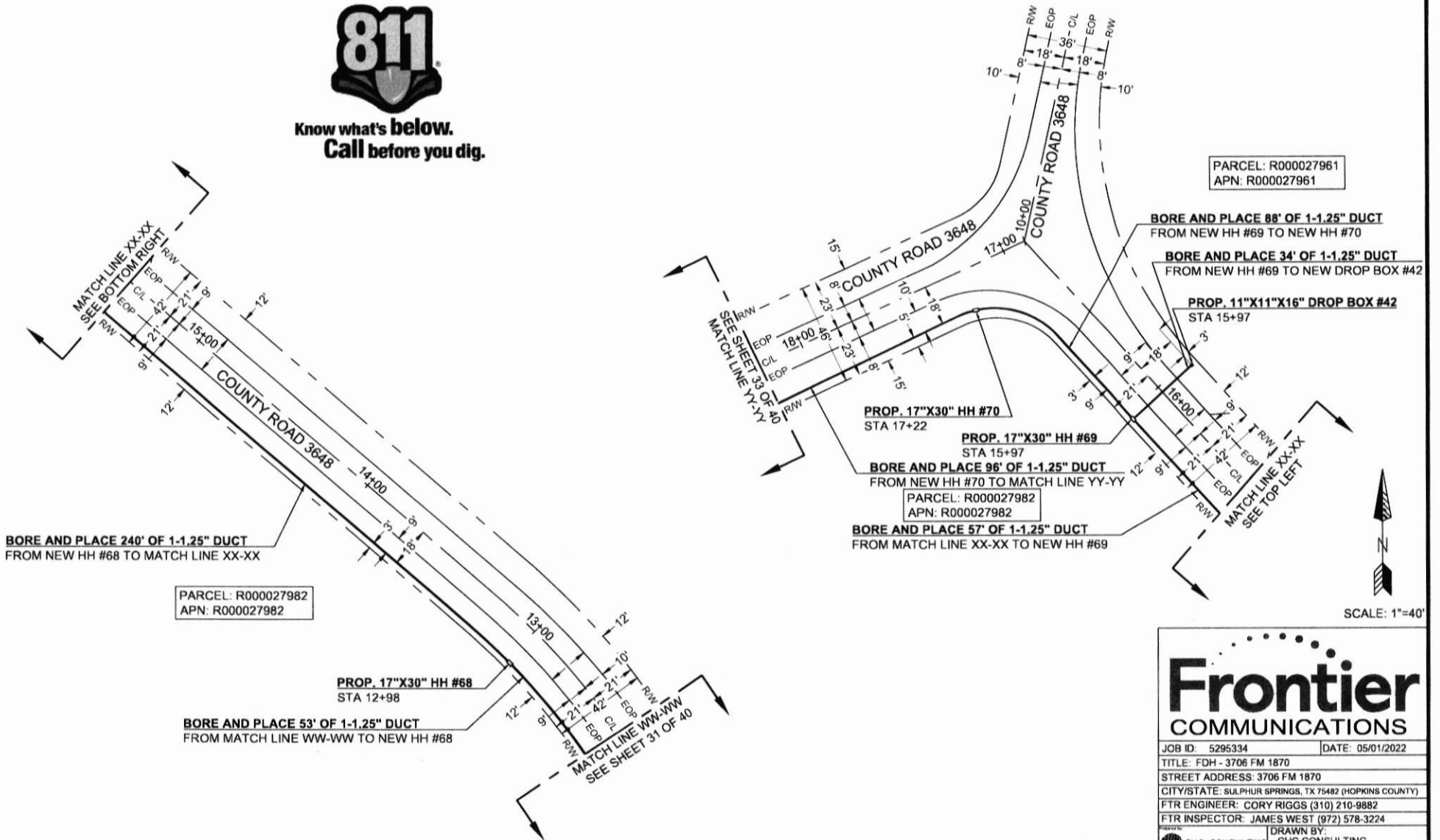
EST. #:

SHEET#:

31 OF 40



Know what's below.
Call before you dig.



PARCEL: R000027961
APN: R000027961

BORE AND PLACE 88' OF 1-1.25" DUCT
FROM NEW HH #69 TO NEW HH #70

BORE AND PLACE 34' OF 1-1.25" DUCT
FROM NEW HH #69 TO NEW DROP BOX #42

PROP. 11"X11"X16" DROP BOX #42
STA 15+97

PROP. 17"X30" HH #70
STA 17+22

PROP. 17"X30" HH #69
STA 15+97

BORE AND PLACE 96' OF 1-1.25" DUCT
FROM NEW HH #70 TO MATCH LINE YY-YY

PARCEL: R000027982
APN: R000027982

BORE AND PLACE 57' OF 1-1.25" DUCT
FROM MATCH LINE XX-XX TO NEW HH #69

BORE AND PLACE 240' OF 1-1.25" DUCT
FROM NEW HH #68 TO MATCH LINE XX-XX

PARCEL: R000027982
APN: R000027982

PROP. 17"X30" HH #68
STA 12+98

BORE AND PLACE 53' OF 1-1.25" DUCT
FROM MATCH LINE WW-WW TO NEW HH #68

SCALE: 1"=40'



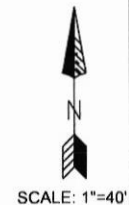
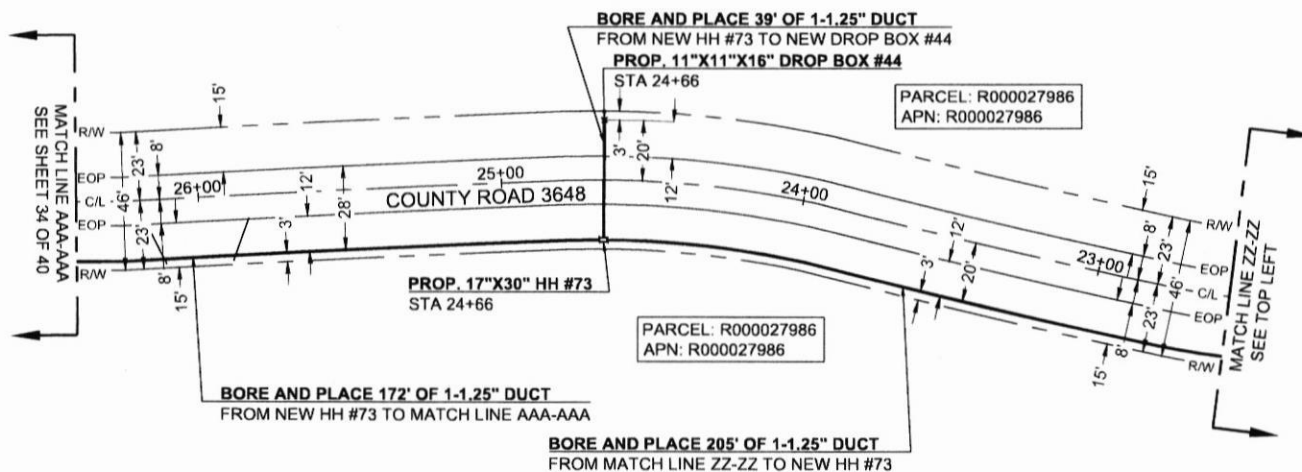
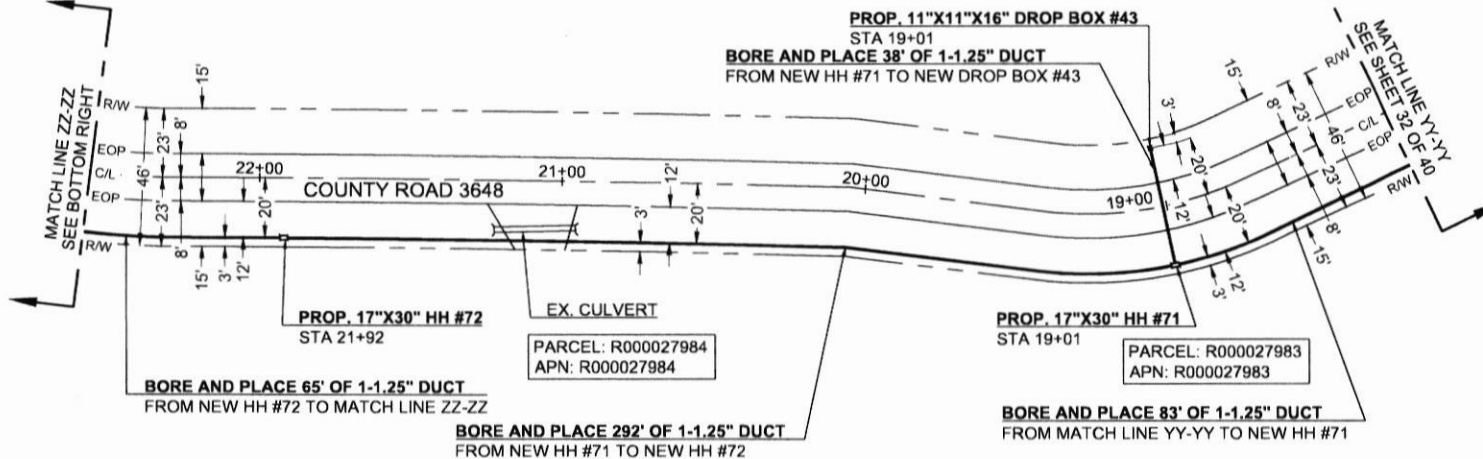
Frontier COMMUNICATIONS

JOB ID: 5295334	DATE: 05/01/2022
TITLE: FDH - 3706 FM 1870	
STREET ADDRESS: 3706 FM 1870	
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)	
FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	

CHC CONSULTING ENGINEERED BY: CHC CONSULTING, INC. LLC 9045 MID SAN DIEGO DR. STE 400 SAN DIEGO, CA 92108	DRAWN BY: CHC CONSULTING	EST. #:	SHEET #: 32 OF 40
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Frontier COMMUNICATIONS

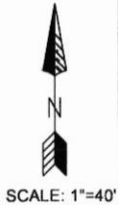
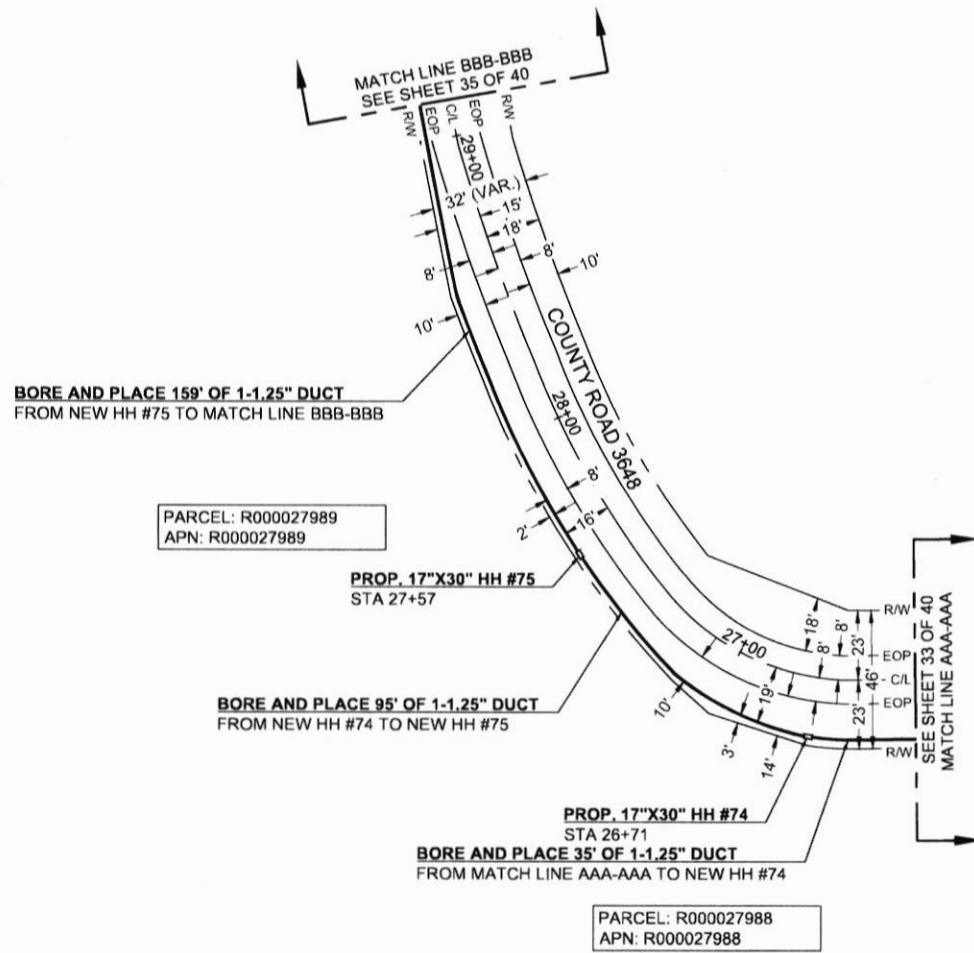
JOB ID: 5295334 DATE: 05/01/2022
 TITLE: FDH - 3706 FM 1870
 STREET ADDRESS: 3706 FM 1870
 CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)
 FTR ENGINEER: CORY RIGGS (310) 210-9882
 FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING
 CHC CONSULTING ENGINEERS, LLC
 8080 AYO SAN DIEGO DR. STE 456
 SAN DIEGO, CA 92108

DRAWN BY: CHC CONSULTING
 EST. #:
 SHEET #:
33 OF 40



Know what's below.
Call before you dig.

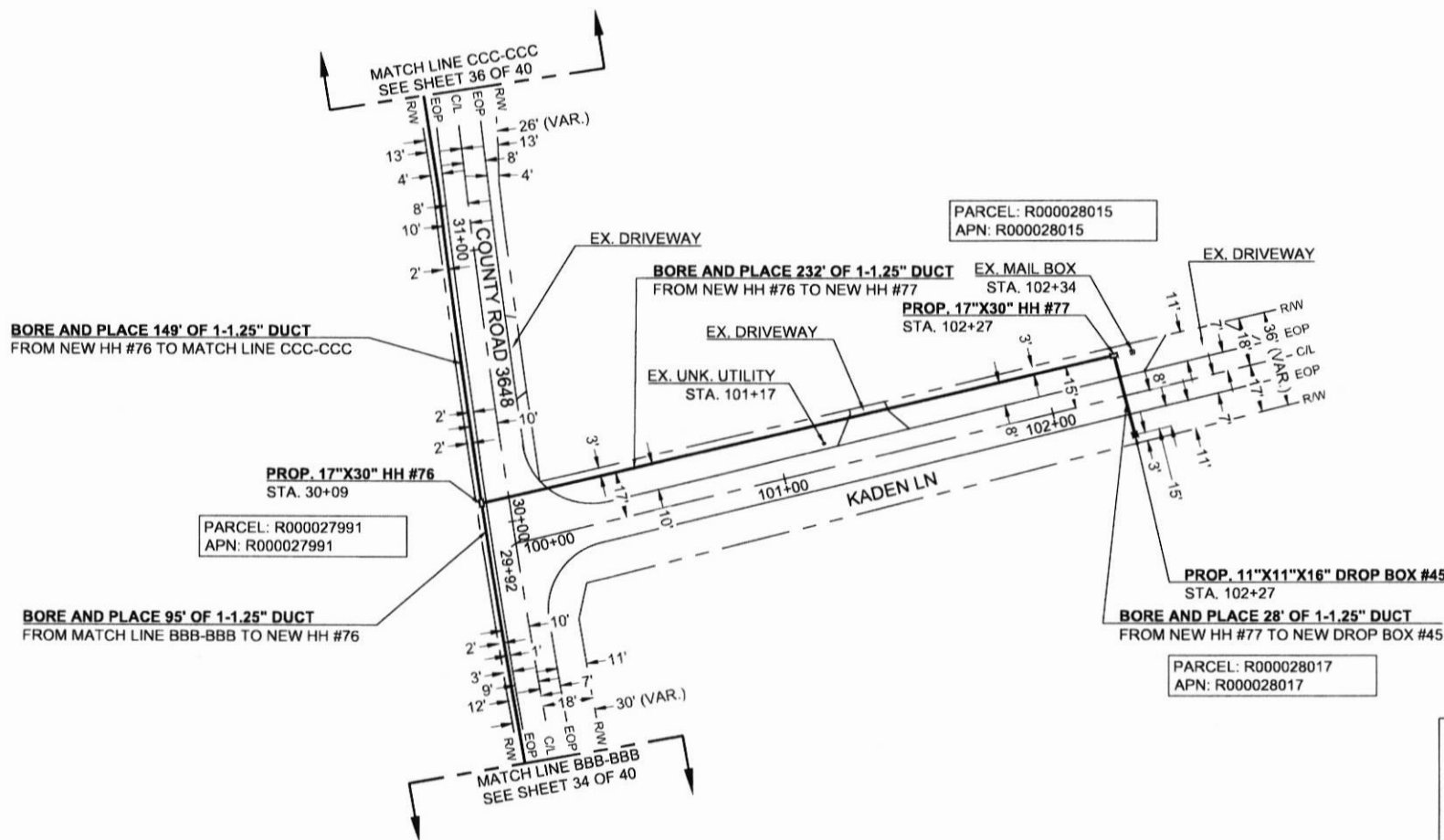


Frontier COMMUNICATIONS

JOB ID: 5295334	DATE: 05/01/2022
TITLE: FDH - 3706 FM 1870	
STREET ADDRESS: 3706 FM 1870	
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)	
FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY CHC CONSULTING, LLC 8066 RIO SAN DIEGO DR. STE 450 SAN DIEGO, CA 92108</small>	DRAWN BY: CHC CONSULTING EST. #: SHEET#:
	34 OF 40



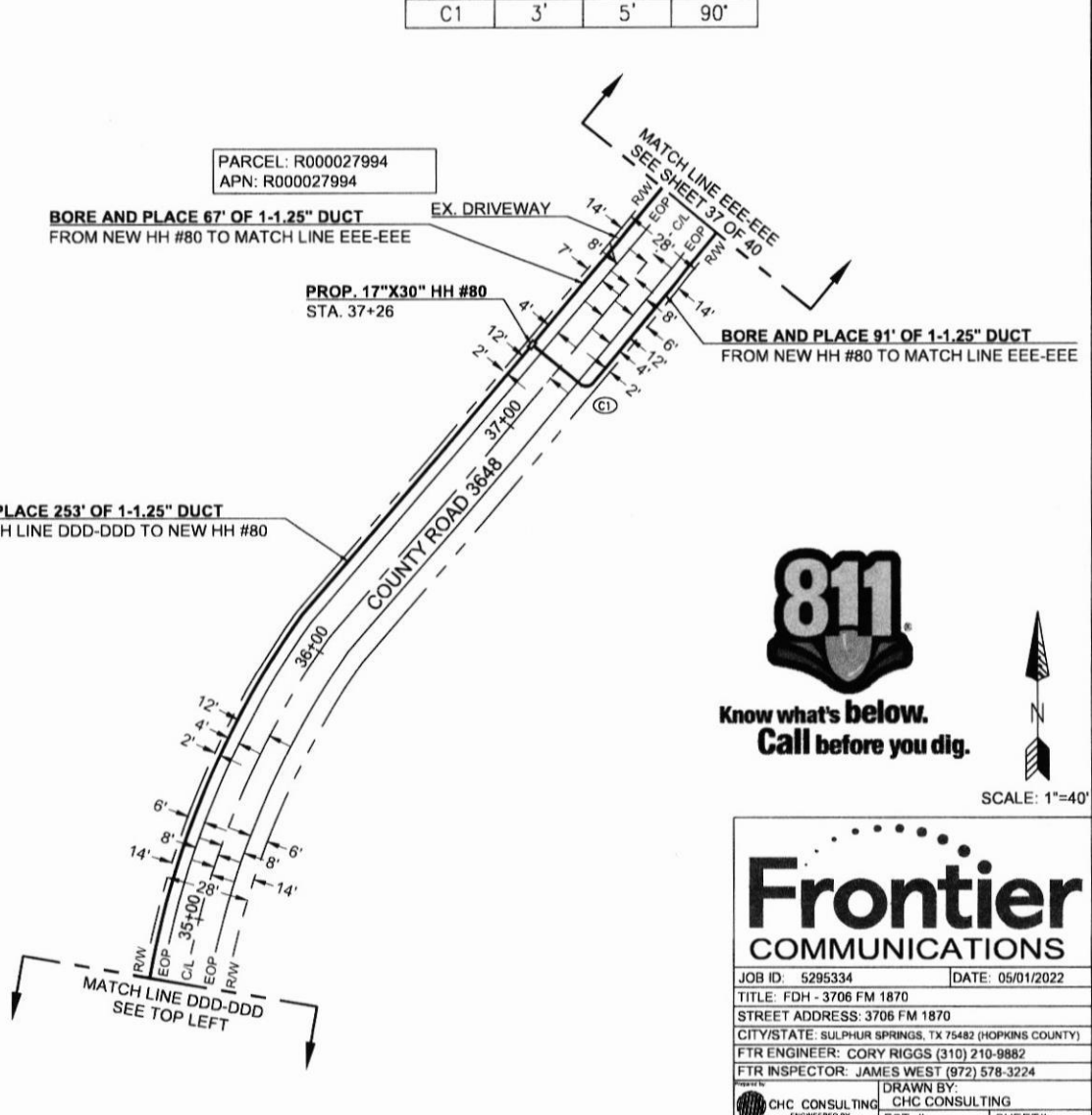
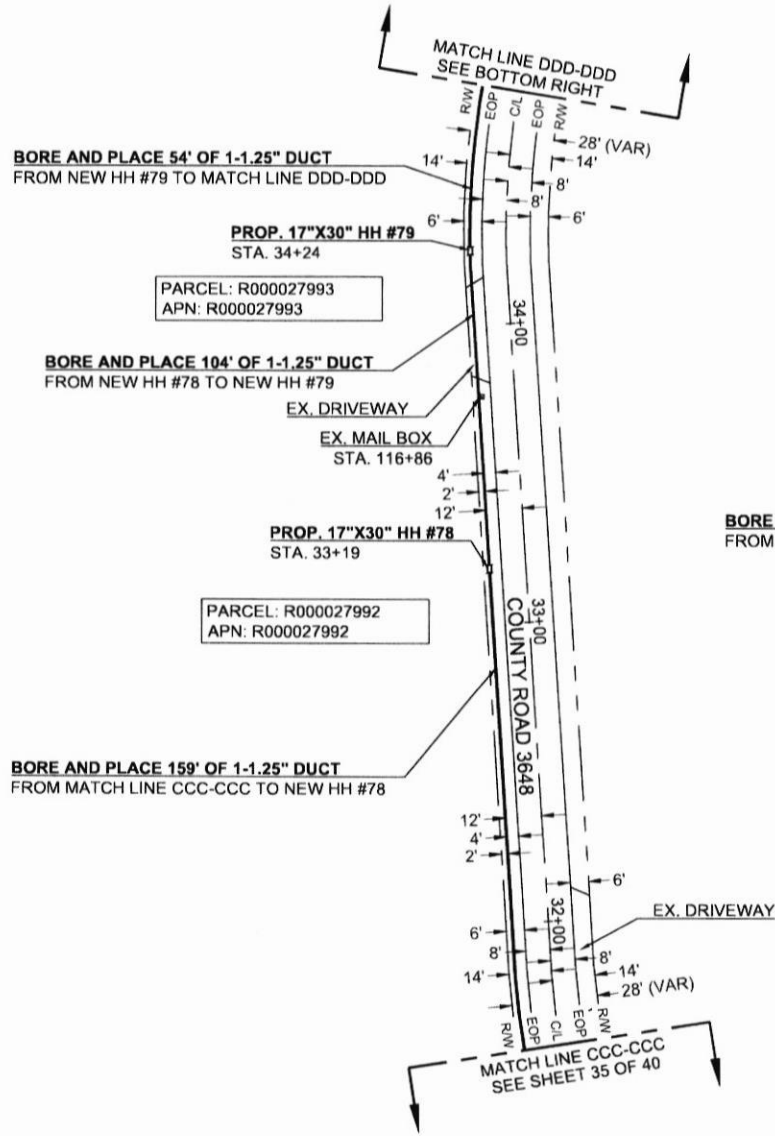
Know what's below.
Call before you dig.



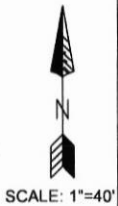
SCALE: 1"=40'

Frontier COMMUNICATIONS	
JOB ID: 5295334	DATE: 05/01/2022
TITLE: FDH - 3706 FM 1870	
STREET ADDRESS: 3706 FM 1870	
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)	
FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
CHC CONSULTING <small>ENGINEERED BY: CHC CONSULTING, LLC 8005 RIO SAN DIEGO DR. STE 410 SAN DIEGO, CA 92108</small>	DRAWN BY: CHC CONSULTING <small>EST. # _____</small>
SHEET#: 35 OF 40	

CURVE	RADIUS	LENGTH	DELTA
C1	3'	5'	90°



Know what's below.
Call before you dig.



Frontier

COMMUNICATIONS

JOB ID: 5295334	DATE: 05/01/2022
TITLE: FDH - 3706 FM 1870	
STREET ADDRESS: 3706 FM 1870	
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)	
FTR ENGINEER: CORY RIGGS (310) 210-9882	
FTR INSPECTOR: JAMES WEST (972) 578-3224	
ENGINEERED BY: CHC CONSULTING	DRAWN BY: CHC CONSULTING
EST. #:	SHEET#:
	36 OF 40

PARCEL: R000028000
APN: R000028000

BORE AND PLACE 71' OF 1-1.25" DUCT
FROM NEW HH #84 TO MATCH LINE GGG-GGG
EX. DRIVEWAY

EX. MAIL BOX
STA. 45+58
PROP. 17"X30" HH #84
STA. 45+44

BORE AND PLACE 130' OF 1-1.25" DUCT
FROM NEW HH #83 TO NEW HH #84
EX. DRIVEWAY

PROP. 17"X30" HH #83
STA. 44+25

PARCEL: R000027998
APN: R000027998

BORE AND PLACE 214' OF 1-1.25" DUCT
FROM NEW HH #82 TO NEW HH #83

EX. DRIVEWAY

PARCEL: R000028010
APN: R000028010

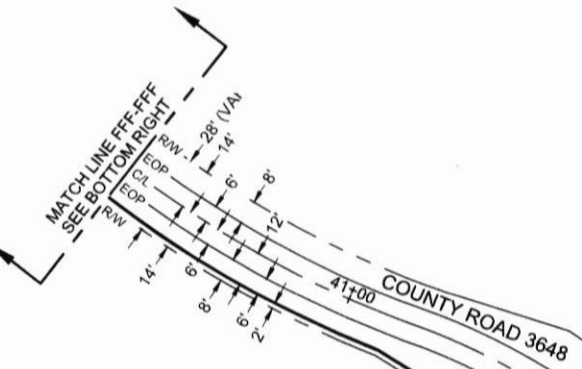
PARCEL: R000027997
APN: R000027997

PROP. 11"X11"X16" DROP BOX #46
STA. 38+43

PROP. 17"X30" HH #82
STA. 42+31

BORE AND PLACE 47' OF 1-1.25" DUCT
FROM MATCH LINE FFF-FFF TO NEW HH #82

BORE AND PLACE 48' OF 1-1.25" DUCT
FROM MATCH LINE EEE-EEE TO NEW DROP BOX #46



BORE AND PLACE 193' OF 1-1.25" DUCT
FROM NEW HH #81 TO MATCH LINE FFF-FFF

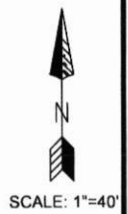
PARCEL: R000027995
APN: R000027995

PROP. 17"X30" HH #81
STA. 39+82

BORE AND PLACE 167' OF 1-1.25" DUCT
FROM MATCH LINE EEE-EEE TO NEW HH #81



Know what's below.
Call before you dig.

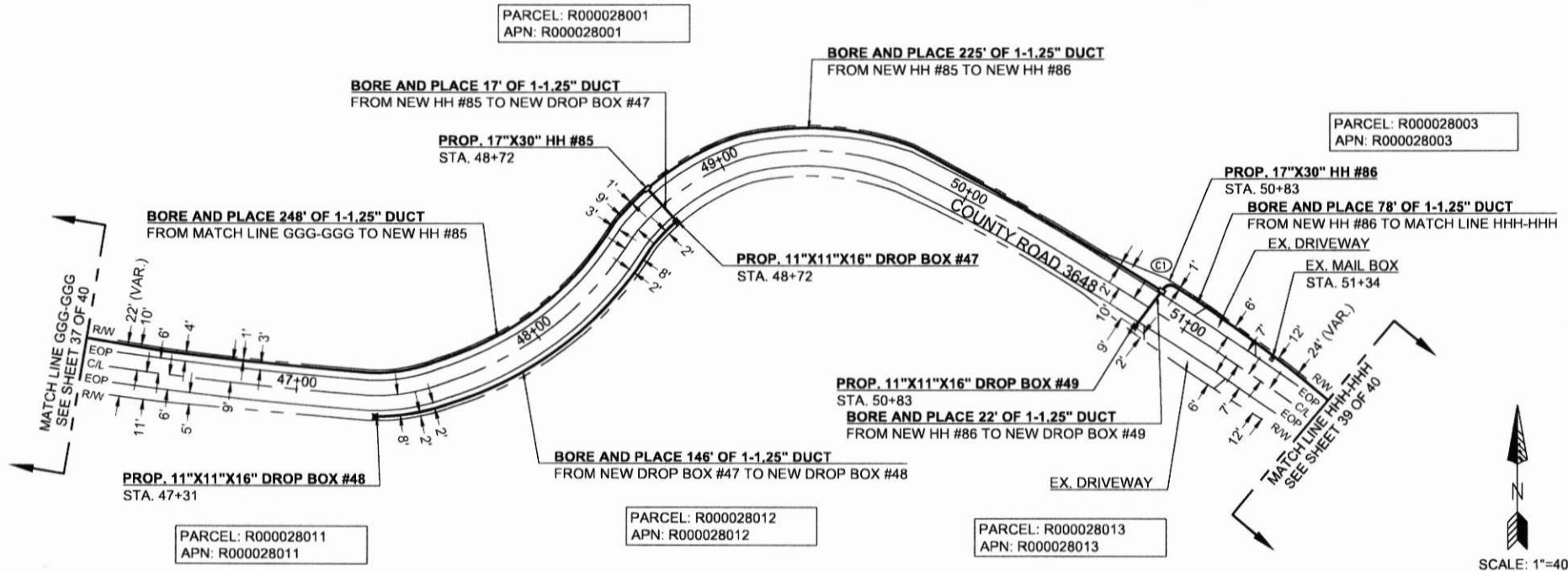


Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022
TITLE: FDH - 3706 FM 1870
STREET ADDRESS: 3706 FM 1870
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)
FTR ENGINEER: CORY RIGGS (310) 210-9882
FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING
CHC CONSULTING
ENGINEERED BY: CHC CONSULTING
EST. #: SHEET#: 37 OF 40

CURVE	RADIUS	LENGTH	DELTA
C1	3'	4'	86°



Know what's below.
Call before you dig.

Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022

TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

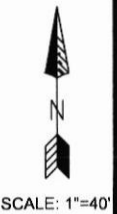
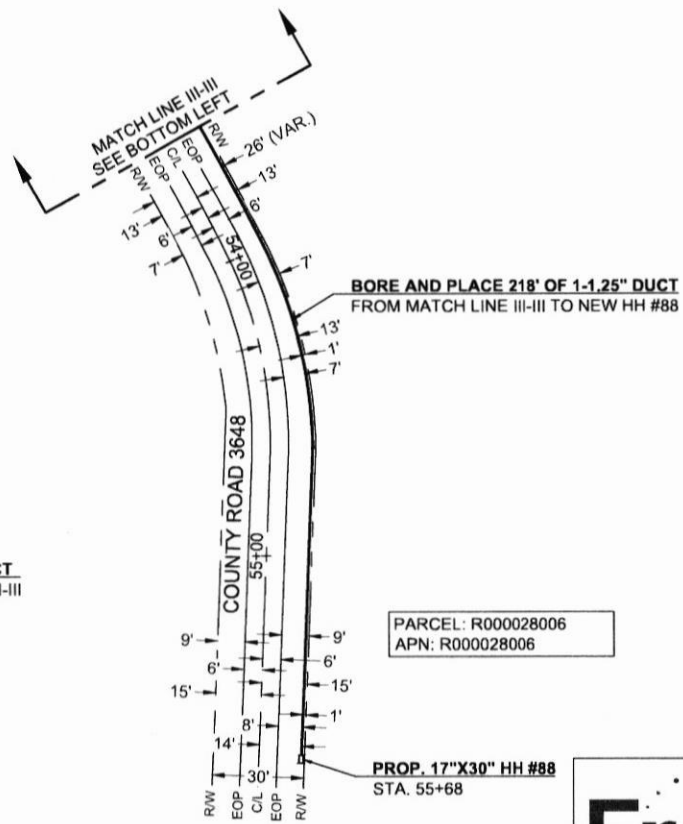
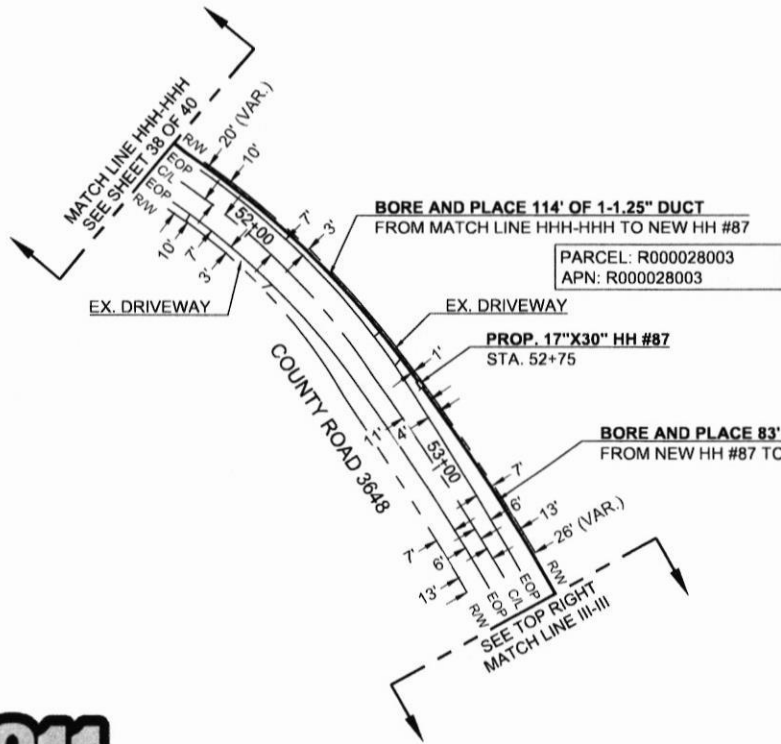
Prepared by: CHC CONSULTING

Engineered by: CHC CONSULTING

9095 RIO SAN DIEGO DR. STE 414
SAN DIEGO, CA 92108

EST. #:

SHEET #:
38 OF 40



**Know what's below.
Call before you dig.**

Frontier COMMUNICATIONS

JOB ID: 5295334 DATE: 05/01/2022

TITLE: FDH - 3706 FM 1870

STREET ADDRESS: 3706 FM 1870

CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

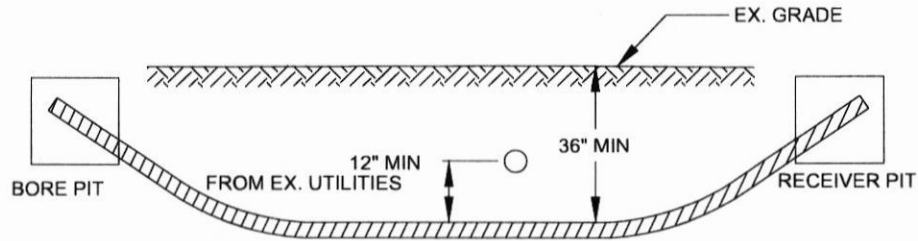
FTR INSPECTOR: JAMES WEST (972) 578-3224

PROJECT TO: CHC CONSULTING DRAWN BY: CHC CONSULTING

ENGINEERED BY: CHC CONSULTING EST. #: SHEET#: 39 OF 40

CHC CONSULTING
ENGINEERING & ARCHITECTURE
9035 RIO SAN DIEGO DR. STE 400
SAN DIEGO, CA 92108

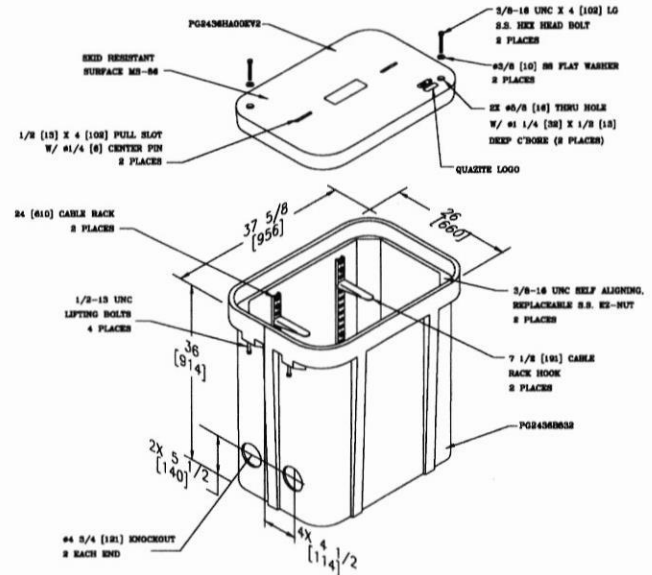
MINIMUM STANDARDS FOR DIRECTIONAL BORING



- PLACE END MARKER WITH UTILITY OWNER'S NAME DESCRIBING CONDUIT
- BORE PIT TO BE BACKFILLED AND COMPACTED IN 12" LIFTS WITH MATERIAL REMOVED
- FLOW OF DITCH MUST BE MAINTAINED AT ALL TIMES
- PROTECT ROOTS AT ALL TREE LOCATIONS, SHIFT BORE TRENCH IF NECESSARY

TYPICAL BORE DETAIL

SCALE
N.T.S. 1



2' X 3' HAND HOLE

SCALE
N.T.S. 2

Frontier

COMMUNICATIONS

JOB ID: 5295334		DATE: 05/01/2022	
TITLE: FDH - 3706 FM 1870			
STREET ADDRESS: 3706 FM 1870			
CITY/STATE: SULPHUR SPRINGS, TX 75482 (HOPKINS COUNTY)			
FTR ENGINEER: CORY RIGGS (310) 210-9882			
FTR INSPECTOR: JAMES WEST (972) 578-3224			
CHC CONSULTING ENGINEERED BY CHC CONSULTING, INC. 9085 RIO SAN DIEGO DR. STE 404 SAN DIEGO, CA 92108		DRAWN BY: CHC CONSULTING EST. #: SHEET#:	
			19 OF 40