

APPROVAL

TO: Frontier Communications  
Att: Shellie Brown  
Permit Coordinator  
201 Flynn Road  
Camarillo, CA 93012

FILED  
TERRI ROSS  
COUNTY CLERK  
2022 JUL 29 PM 1:28  
DATE 07/29/22  
UPSHUR COUNTY, TX.  
BY [Signature] DEPUTY

The Upshur County Commissioners Court offers no objections to the location on the right-of-way of your proposed: Bore and install new drop boxes for fiber placing and splicing at 9989 FM2685 and Scarlett Oak Rd., N. Lake Dr., Pine Hills Rd, Hilton Springs Rd, White Fir Rd., S. Lake Dr., Lake Gladewater Rd, Hanna Dr., Spring Lake Dr. and Baretta Rd. as shown by accompanying drawings and notice dated 07/20/22, except as noted below:

It is expressly understood that the Upshur County Commissioners Court does not purport, hereby, to grant and right, claim, title, or easement in or upon this county road; and it is further understood that in the future should for any reason Upshur County need to work, improve, relocate, widen, increase add to or any manner change the structure of this right-of-way line, this line, if affected, will be moved under the direction of the Upshur County Engineer and shall be relocated at the complete expense of the owner. Upshur County shall be notified a minimum of 48 hours prior to the beginning of any work.

All work on the county right-of-way shall be performed in accordance with the County Engineer's instructions. The installation shall not damage any part of the highway and adequate provisions must be made to cause minimum inconvenience to traffic and adjacent property owners. Special specifications for placing this line are as follows:

1. All ground lines are to be installed a minimum of 36 inches below the flowline of the adjacent drainage or borrow ditch.
2. All excavations within the right-of-way and not under surfacing shall be backfilled by tamping in 6 inch horizontal layers. All surplus material shall be removed from the right-of-way and the excavation finished flush with surrounding natural ground.
3. Lines crossing under surfaced roads and under surfaced cross roads within the right-of-way shall be placed by boring. Boring shall extend from crown line to crown line.
4. All lines under roads carrying pressure in excess of 50 psi shall be enclosed in satisfactory casing extending from right-of-way line to right-of-way line. Pipe used for casing may be of any type approved by the County Engineer and shall be capable of Supporting the load of roadbed and traffic and shall be so constructed that there will be no leakage of any matter through the casing for its entire length. Inside diameter of casing shall be at least 2 inches greater than the largest outside diameter of carrier pipe, joint or couplings. (Encasement is not required on lines installed 48 inches or greater below flowline.)
5. All lines, where practicable, shall be located to cross roadbed at approximately right angles thereto. No lines are to be installed under or within 50 feet of either end of a bridge unless approved by the County Engineer in writing. No lines shall be placed inside any culvert or within 10 feet of the closest point of same.
6. Parallel lines will be installed as near the right-of-way lines as is possible and no parallel line will be installed in the roadbed or between the drainage ditch and roadbed unless approved by the County Engineer in writing.
7. Overhead lines will have a minimum clearance of 18 feet above the road surface at point of crossing.
8. Operations along roadways shall be performed in such a manner that all excavated material be kept off the pavements at all times, as well as all operating equipment and materials. Do not use equipment or installation procedures which will damage any road surface or structure. The cost of any repairs to road surfaces, roadbed, structures or other right-of-way features as direct result of this installation will be borne by the owner of this line.
9. Barricades, warning signs, lights and flagmen, when necessary, shall be provided by the contractor or owner. One half of the traveled portion of the road must be open to traffic at all times. All traffic control shall be in accordance with the requirements of the current version of the Texas MUTCD.
10. Utility company shall install adequate erosion control measures for any excavation work being performed.

APPROVED: \_\_\_\_\_

Road Administrator



APPROVED: \_\_\_\_\_

Chairperson, Upshur County Commissioners Court

NOTICE OF PROPOSED INSTALLATION  
PIPE AND/OR UTILITY LINES

TO: UPSHUR COUNTY COMMISSIONERS COURT  
c/o UPSHUR COUNTY ENGINEER  
UPSHUR COUNTY ROAD & BRIDGE DEPARTMENT  
P. O. BOX 730  
Gilmer, TX 75644

DATE: 7/20/22

EXPIRES: \_\_\_\_\_

Formal notice is hereby given that \_\_\_\_\_ proposes to bore a \_\_\_\_\_ line within the right-of-way of County Road \_\_\_\_\_ as follows:

Job Site Address: 9989 FM2685 and Scarlett Oak Rd; N Lake Dr; Pine Hills Rd; Hilton Springs Rd; White Fir Rd; S Lake Dr; Lake Gladewater Rd  
Hanna Drive; Spring Lake Drive; Baretta Rd

Frontier Communications proposes to bore 25,851' of (1)-1.25" duct 186' of (2)-1.25" ducts, install (66) New 17"x30" HHs (22) New 2'x3' HHs and (24) New 11"x11"x16" Drop Boxes for fiber placing and splicing. \*\*5291449\*\*

The location and description of the proposed line and appurtenances is more fully shown by three copies of drawings attached to this notice. The line will be constructed and maintained on the County right-of-way as directed by the County Engineer in accordance with current Upshur County specifications.

Construction of this line will begin on or after the 15th day of August, 2022 and will be completed within 90 days of the date of approval.

Firm Frontier Communications  
By Shellie Brown  
Title Permit Coordinator  
Address 201 Flynn Road, Camarillo CA 93012

- NOTE: 1. This form to be submitted in triplicate for each proposed installation.  
2. The permit shall be in effect until the utility line is removed from the right of way.  
3. Inform the County Engineer if work is not completed within this time.

**FRONTIER COMMUNICATION  
CONSTRUCTION SPECIFICATIONS**

- Contact Frontier Engineer CORY RIGGS at (310) 210-9882 sixty (60) days prior to need 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 sixty (60) 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 sixty (60) 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:  
UPSHUR COUNTY**

**PICK UP POINT:  
EX. POLE**

**PATH FOOTAGE:  
BORE = 26237'**

**MATERIALS:**  
(68) NEW 17"x30" HH  
(22) NEW 2"x3" HH  
(24) NEW 11"x11"x18" DROP BOX  
25851' OF (1)-1.25" DUCT  
388' OF (2)-1.25" DUCTS



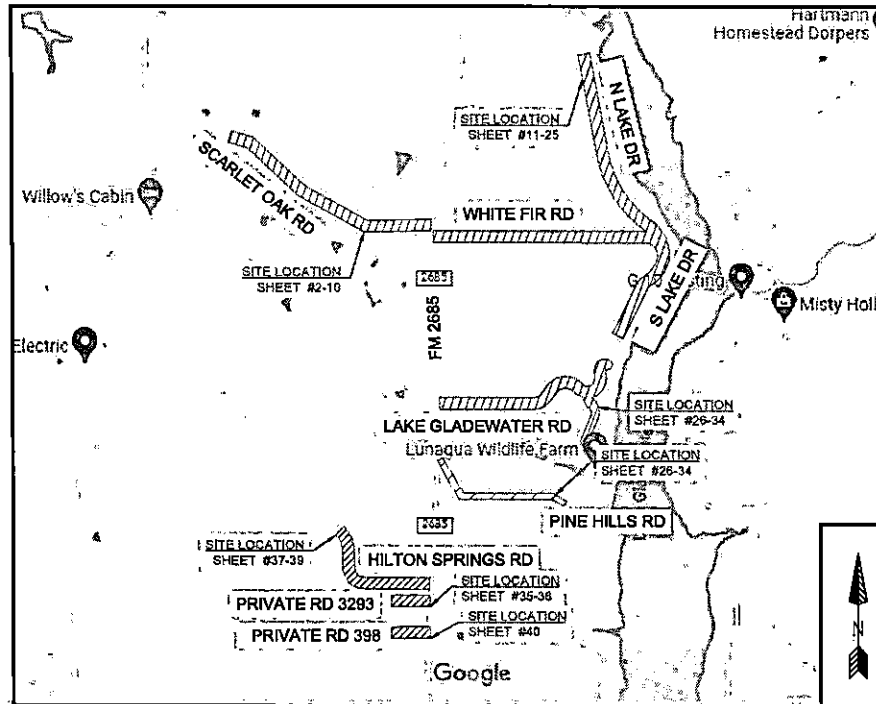
**Know what's below.  
Call before you dig.**

# CONSTRUCTION PACKAGE

**FDH- 9989 FM 2685  
SCARLET OAK DR & FM 2685  
GILMER, TX 75644**

**ABBREVIATIONS**

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



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.

**LEGEND**

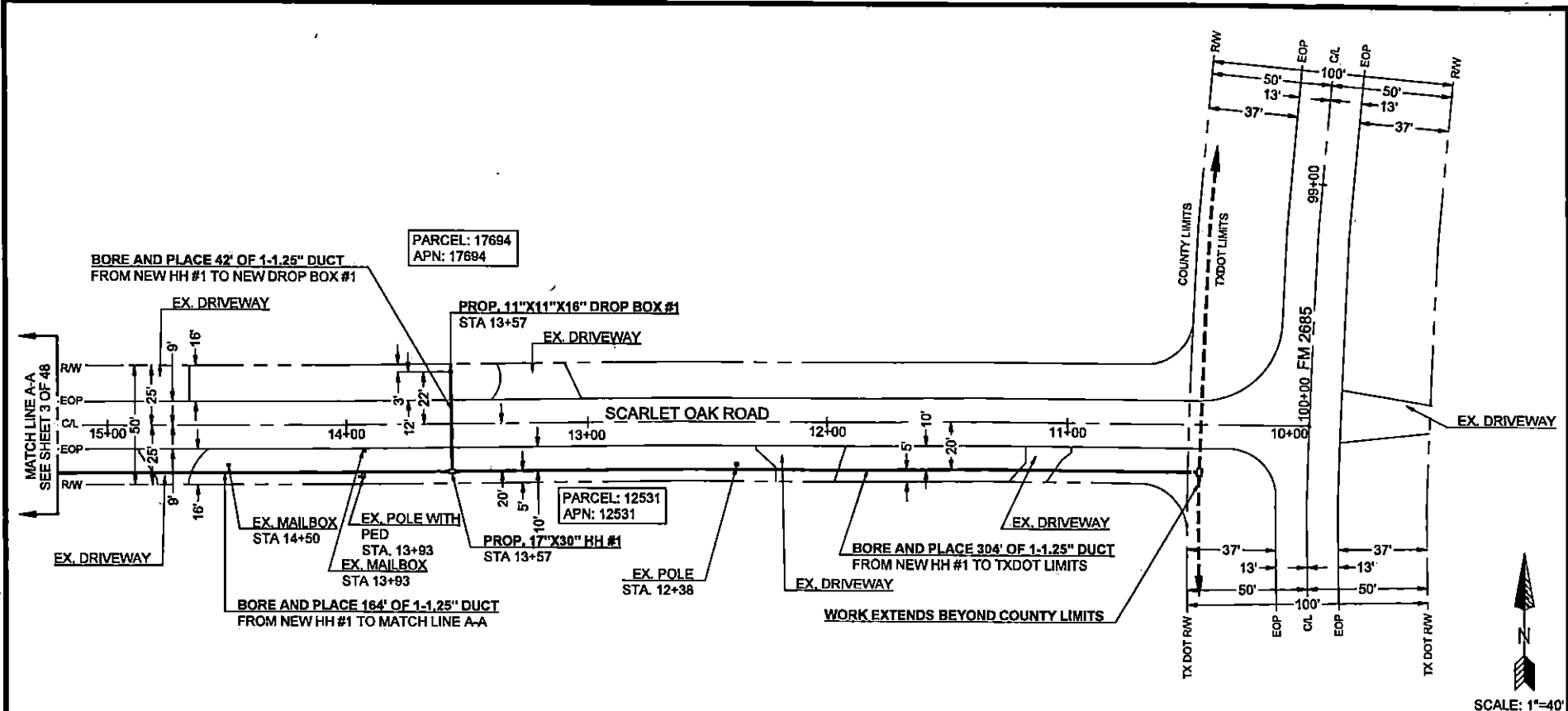
|  |                                      |
|--|--------------------------------------|
|  | New Trench                           |
|  | New Bore                             |
|  | Existing Gas                         |
|  | Existing Water                       |
|  | Existing Telephone                   |
|  | 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                                 |

**Frontier COMMUNICATIONS**

JOB ID: 6291449      DATE: 07/19/2022

TITLE: FDH- 9989 FM 2685  
STREET ADDRESS: 9989 FM 2685  
CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)  
FTR ENGINEER: CORY RIGGS (310) 210-9882  
FTR INSPECTOR: JAMES WEST (872) 578-3224

CHC CONSULTING  
DRAWN BY: CHC CONSULTING  
EST. #:  
SHEET#:  
1 OF 48



SCALE: 1"=40'



Know what's below.  
Call before you dig.

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDI- 9989 FM 2685

STREET ADDRESS: 9989 FM 2685

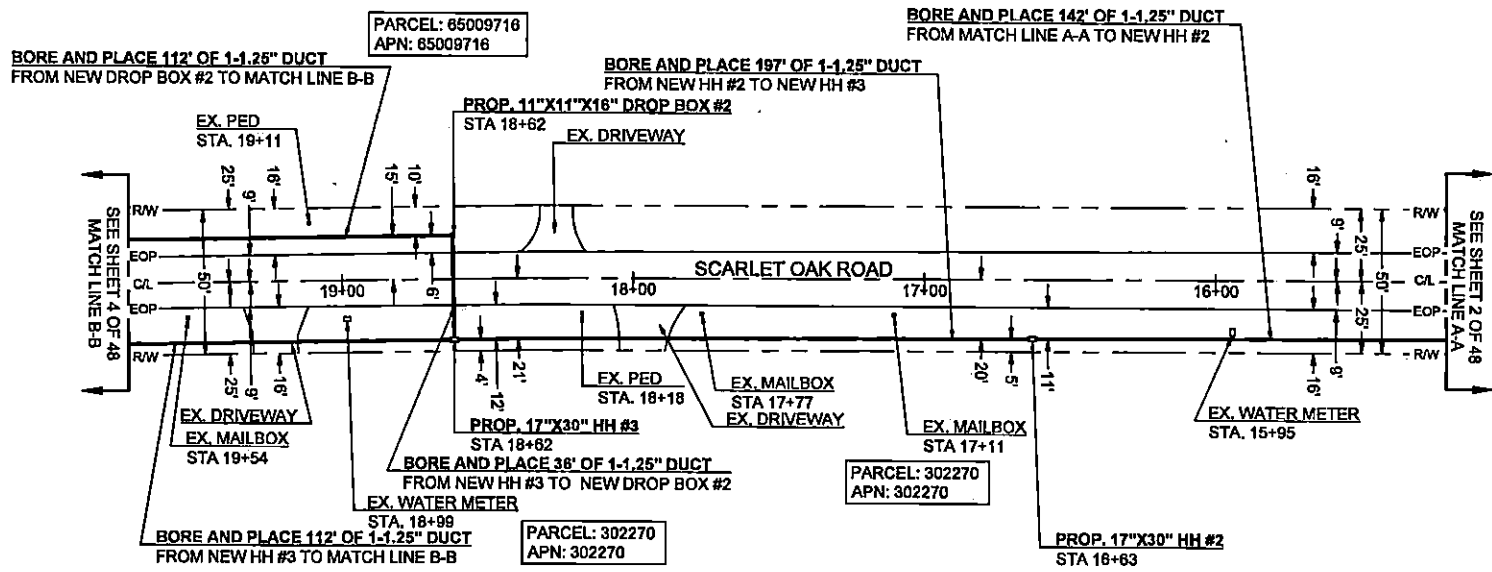
CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (316) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

CHC CONSULTING  
ENGINEERED BY: CHC CONSULTING

EST. #:      SHEET#: 2 OF 48



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

**Frontier COMMUNICATIONS**

JOB ID: 5281449      DATE: 07/19/2022

TITLE: PDH- 9989 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 76644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

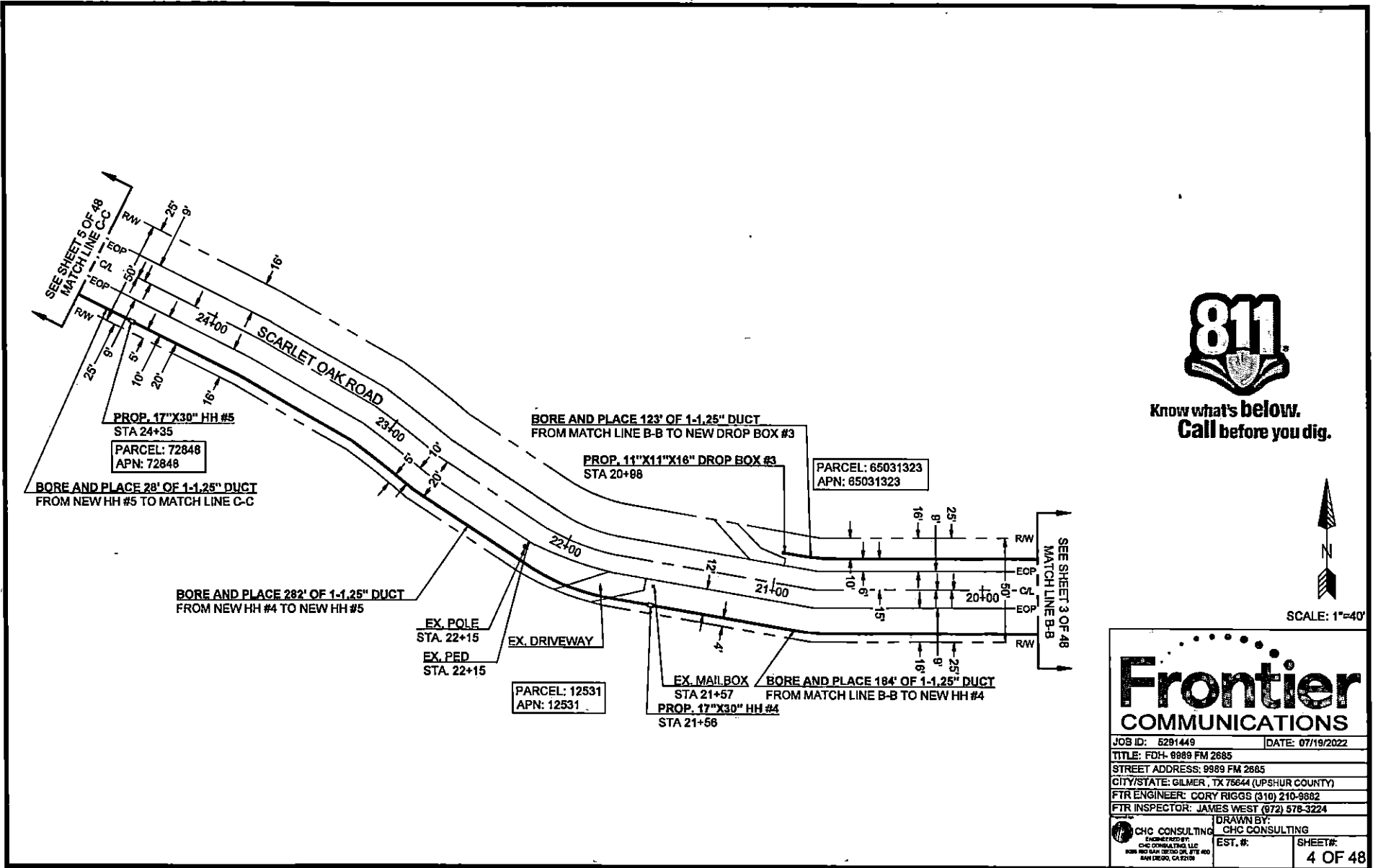
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ENGINEERED BY: CHC CONSULTING  
CHC CONSULTING, LLC  
 8048 PINE HAVEN DRIVE, SUITE 402  
 SAN DIEGO, CA 92128

DRAWN BY: CHC CONSULTING

EST. #:

SHEET#: **3 OF 48**



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

**Frontier COMMUNICATIONS**

JOB ID: 5281449      DATE: 07/19/2022

TITLE: FDH- 9889 FM 2685

STREET ADDRESS: 9889 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

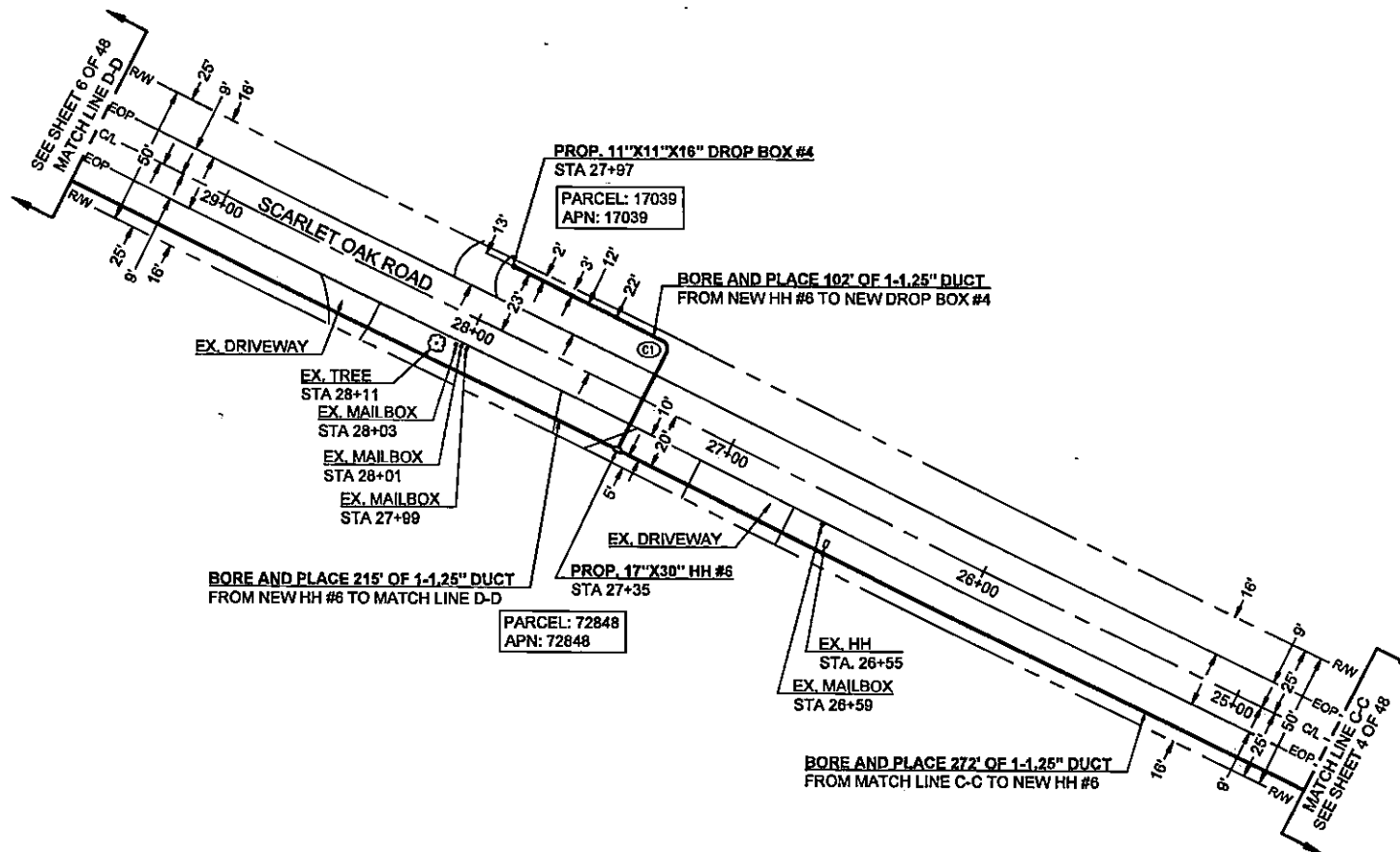
FTR ENGINEER: CORY RIGGS (310) 210-8682

FTR INSPECTOR: JAMES WEST (972) 578-3224

|  |                             |
|--|-----------------------------|
| CHC CONSULTING<br><small>ENGINEERED BY:<br/>         CHC CONSULTING, LLC<br/>         808 NW SAN JESITO DR, STE 400<br/>         SAN DIEGO, CA 92108</small> | DRAWN BY:<br>CHC CONSULTING |
|  | EST. #:      SHEET#:        |

4 OF 48

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDH- 9889 FM 2685

STREET ADDRESS: 9889 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

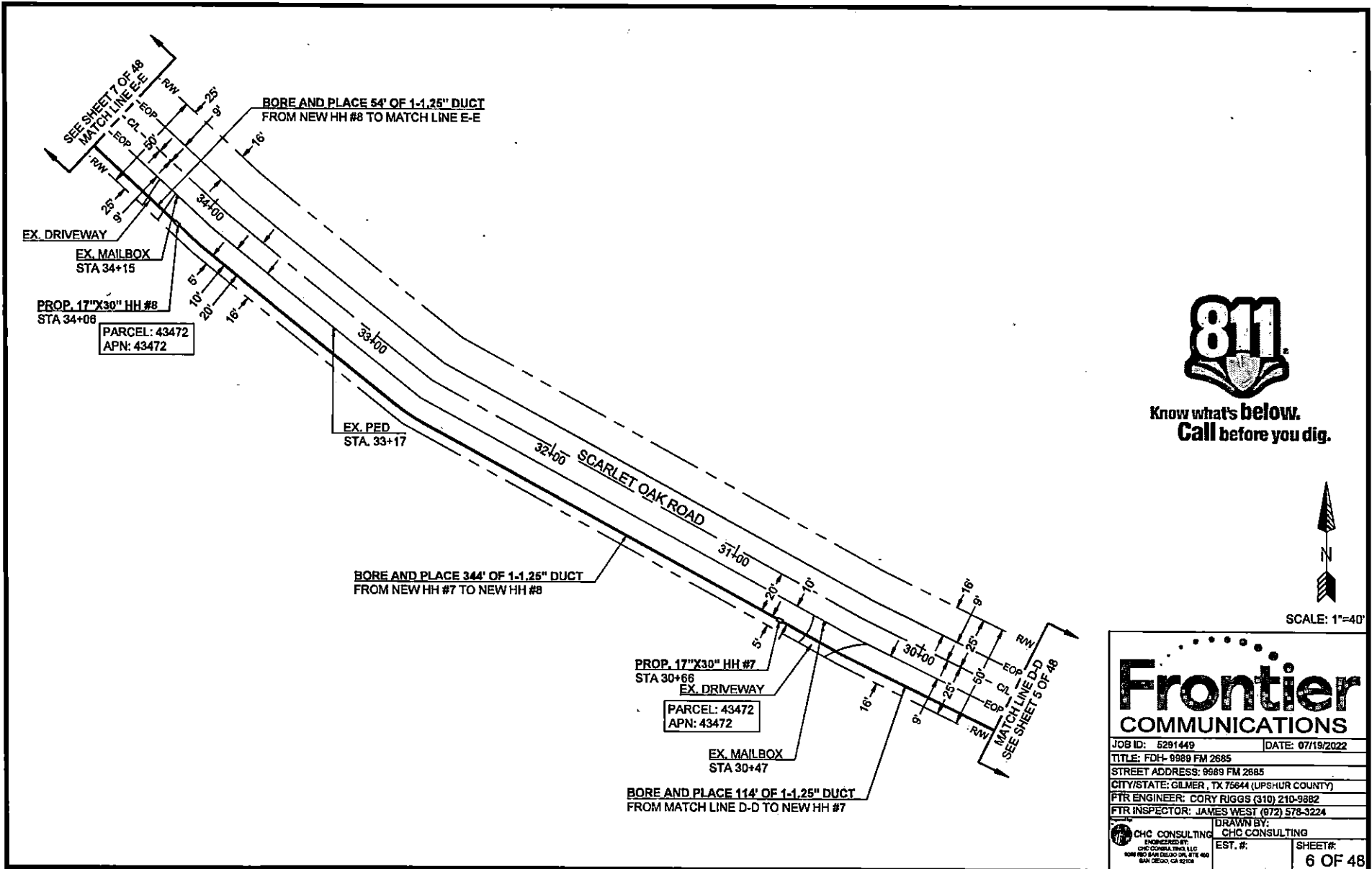
FTR INSPECTOR: JAMES WEST (072) 578-3224

DRAWN BY: CHC CONSULTING

CHC CONSULTING ENGINEERED BY: CHC CONSULTING, LLC  
8080 9th BAY DR. SUITE 400  
 SAN DIEGO, CA 92108

EST. #:      SHEET#: 5 OF 48





Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291449 | DATE: 07/19/2022

TITLE: FDH- 9989 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

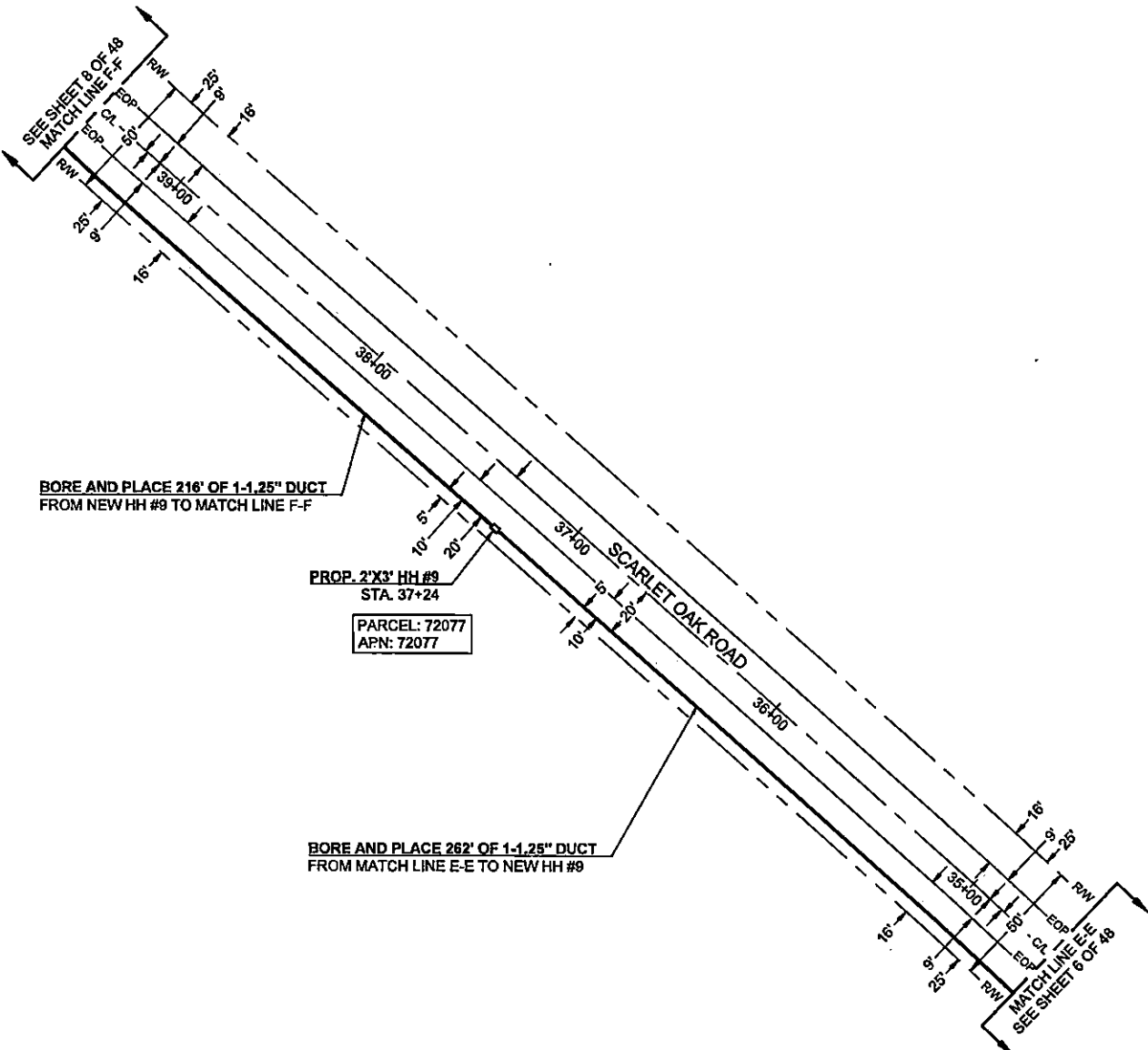
FTR INSPECTOR: JAMES WEST (672) 578-3224

DRAWN BY: CHC CONSULTING

EST. #:

ENGINEERED BY: CHC CONSULTING, LLC  
808 RIO SAN DIEGO DR, STE 900  
SAN DIEGO, CA 92108

SHEET#: 6 OF 48



BORE AND PLACE 216' OF 1-1.25" DUCT FROM NEW HH #9 TO MATCH LINE F-F

PROP. 2'X3' HH #9  
STA. 37+24  
PARCEL: 72077  
APN: 72077

BORE AND PLACE 262' OF 1-1.25" DUCT FROM MATCH LINE E-E TO NEW HH #9



Know what's below.  
Call before you dig.

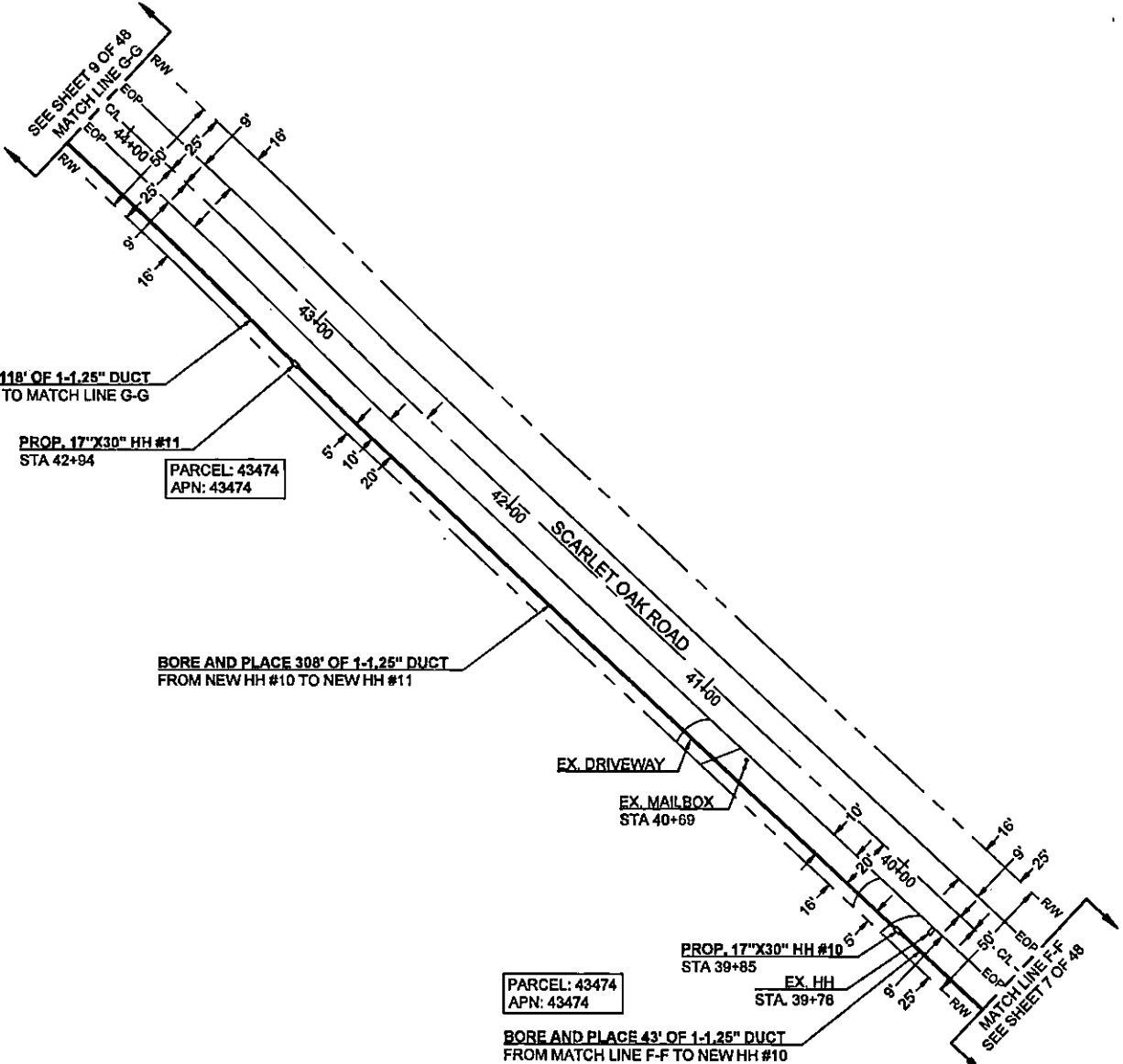


SCALE: 1"=40'

**Frontier COMMUNICATIONS**

|  |                          |
|--|--------------------------|
| JOB ID: 5291443                              | DATE: 07/19/2022         |
| TITLE: FDH- 9889 FM 2885                     |                          |
| STREET ADDRESS: 9889 FM 2885                 |                          |
| CITY/STATE: GILMER, TX 75844 (UPSHUR COUNTY) |                          |
| FTR ENGINEER: CORY RIGGS (310) 210-8882      |                          |
| FTR INSPECTOR: JAMES WEST (872) 578-3224     |                          |
| DESIGNED BY: CHC CONSULTING                  | DRAWN BY: CHC CONSULTING |
| EST. #:                                      | SHEET#: 7 OF 48          |

CHC CONSULTING  
DESIGNED BY:  
CHC CONSULTING, LLC  
808 N. SAN DIEGO ST., FRI #00  
SAN DIEGO, CA 92108



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDI- 8999 FM 2685

STREET ADDRESS: 8999 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 676-3224

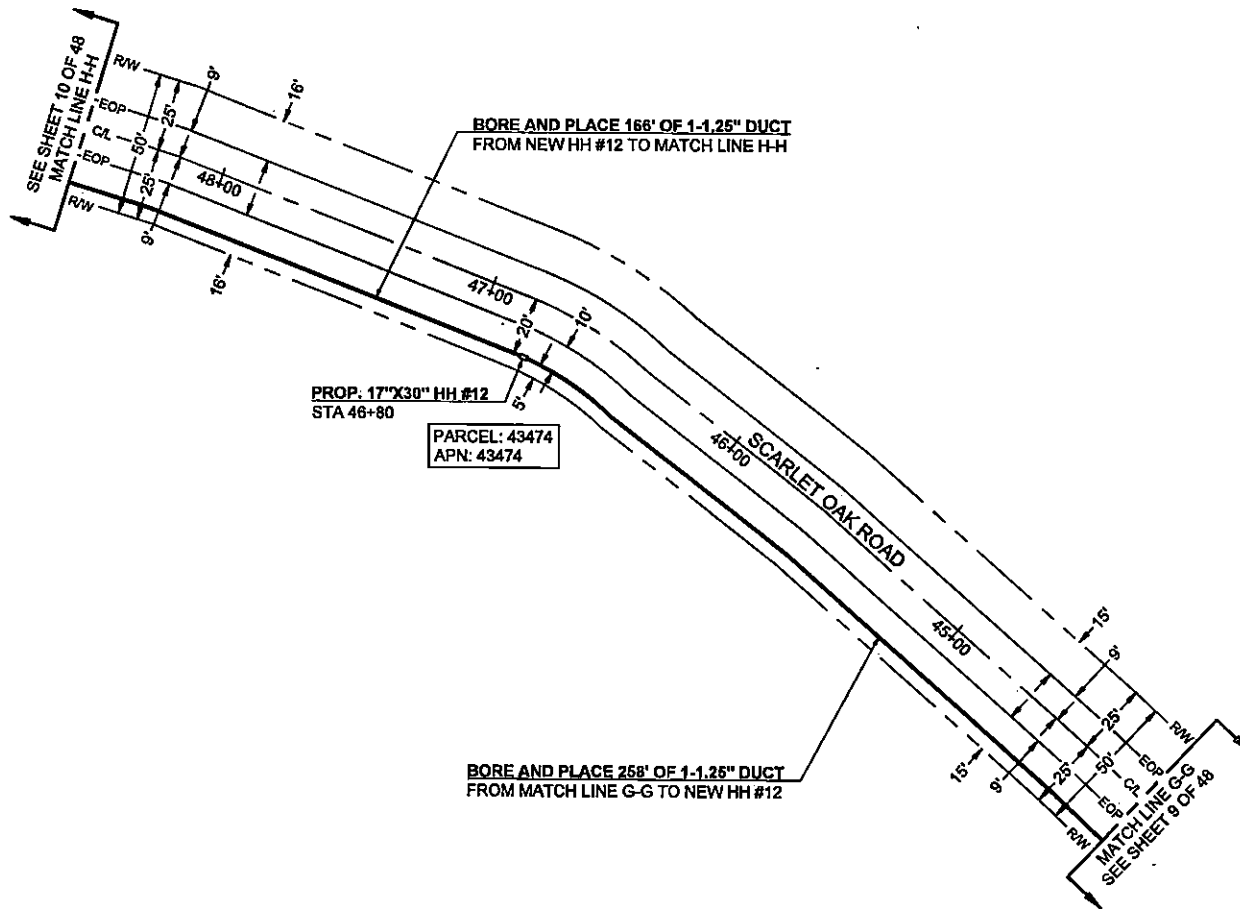
DRAWN BY: CHC CONSULTING

EST. #:

ENGINEERED BY: CHC CONSULTING

CHC CONSULTING, LLC  
10800 SAN DIEGO DR, STE 800  
SAN DIEGO, CA 92128

SHEET#: 8 OF 48



PROP: 17"X30" HH #12  
 STA 46+80

PARCEL: 43474  
 APN: 43474



Know what's below.  
 Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDI- 9889 FM 2885

STREET ADDRESS: 9889 FM 2885

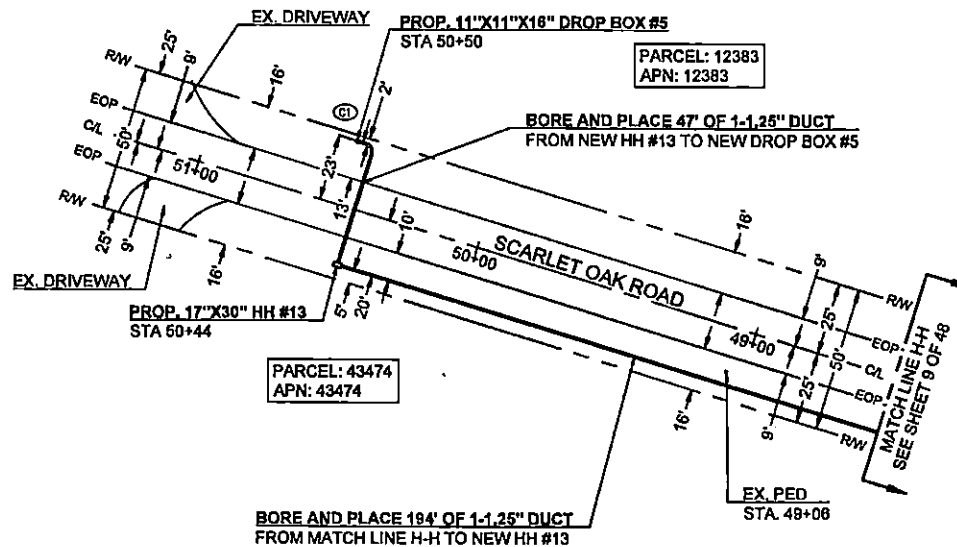
CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

|  |                             |                    |
|--|-----------------------------|--------------------|
| CHC CONSULTING<br><small>ENGINEERED BY:<br/>         CHC CONSULTING, LLC<br/>         10400 PINE SAND CREEK DR, STE 400<br/>         SAN DIEGO, CA 92108</small> | DRAWN BY:<br>CHC CONSULTING | SHEET#:<br>9 OF 48 |
|  | EST. #:                     |                    |

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDH- 9989 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 76644 (UPSHUR COUNTY)

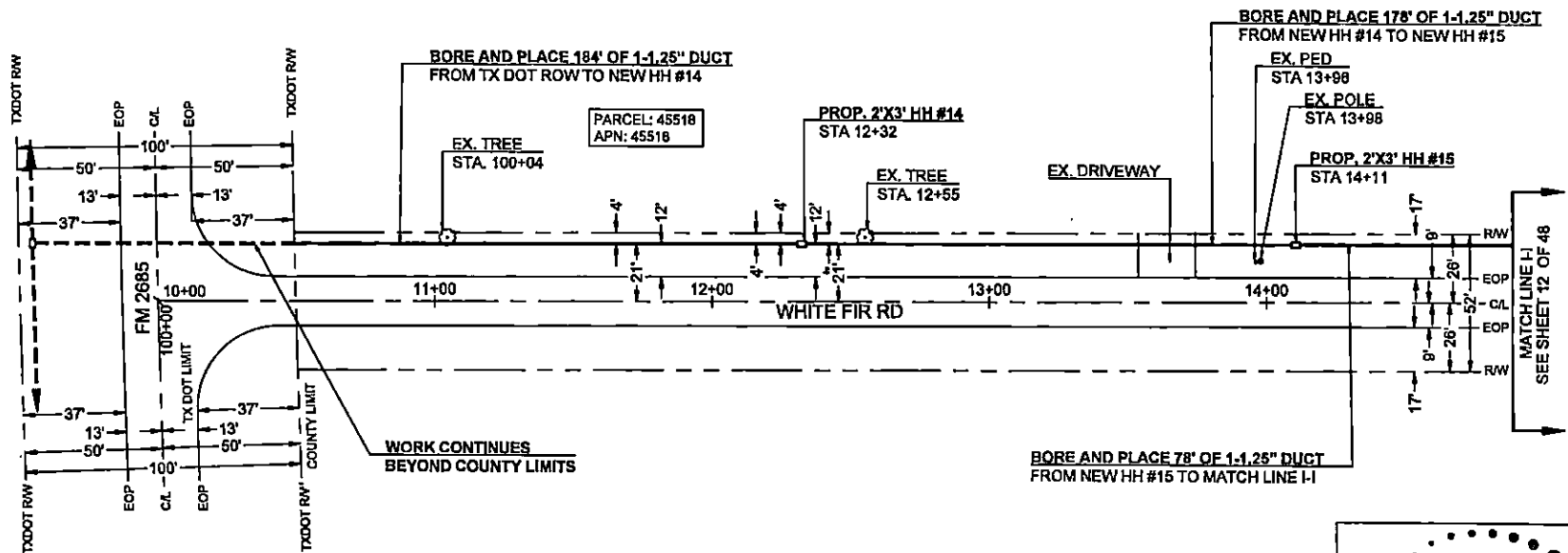
FTR ENGINEER: CORY RIGGS (310) 210-8882

FTR INSPECTOR: JAMES WEST (072) 678-3224

DRAWN BY: CHC CONSULTING

EST. #:      SHEETS: 10 OF 48

CHC CONSULTING ENGINEERS & ARCHITECTS  
CHC CONSULTING, LLC  
2000 W. BAY DR. SUITE 200  
SAN DIEGO, CA 92108



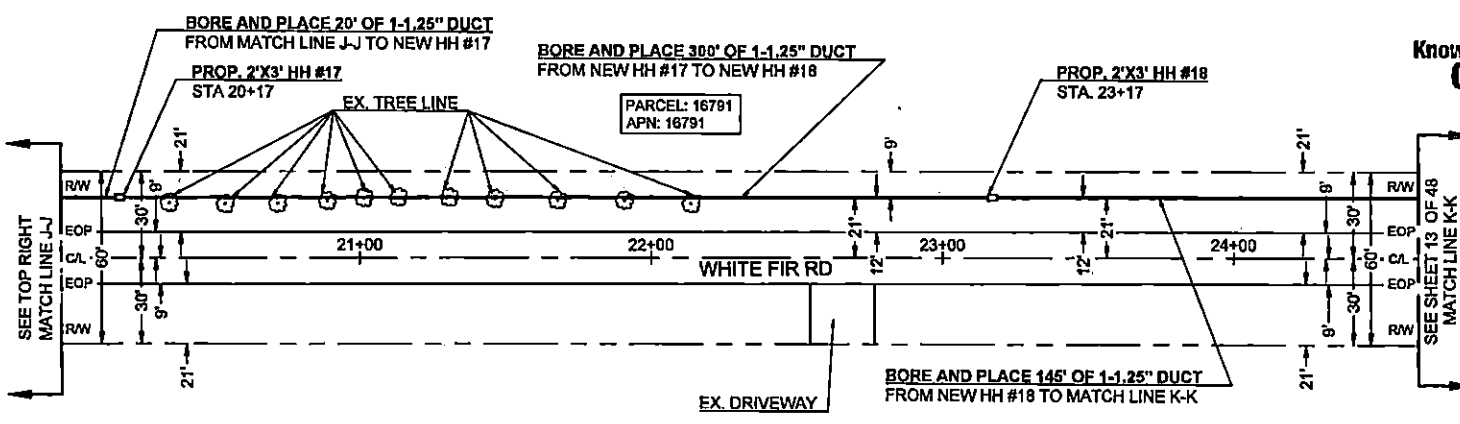
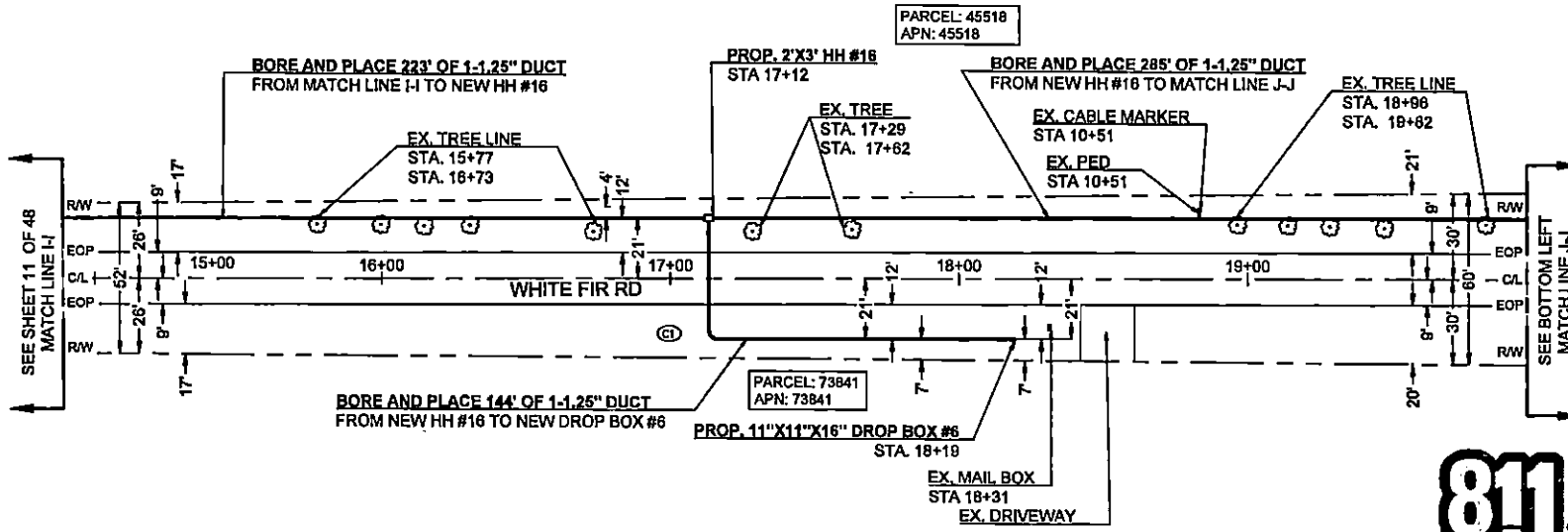
Know what's below.  
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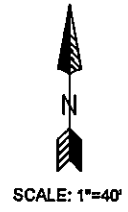
SCALE: 1"=40'

# Frontier COMMUNICATIONS

|  |  |   |          |
|--|--|---|----------|
| JOB ID: 6291449  |  | DATE: 07/19/2022  |          |
| TITLE: FDI- 9899 FM 2685   |  |   |          |
| STREET ADDRESS: 9899 FM 2685   |  |   |          |
| CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)   |  |   |          |
| FTR ENGINEER: CORY RIGGS (310) 210-9882  |  |   |          |
| FTR INSPECTOR: JAMES WEST (972) 578-3224   |  |   |          |
| CHC CONSULTING<br><small>CHC CONSULTING LLC<br/>         2808 RED BAY DR. SUITE 200<br/>         SAN DIEGO, CA 92108</small> |  | DRAWN BY:<br>CHC CONSULTING<br>EST. #: _____<br>SHEET#: |          |
|  |  |   | 11 OF 48 |



Know what's below.  
Call before you dig.



| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDH- 9989 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

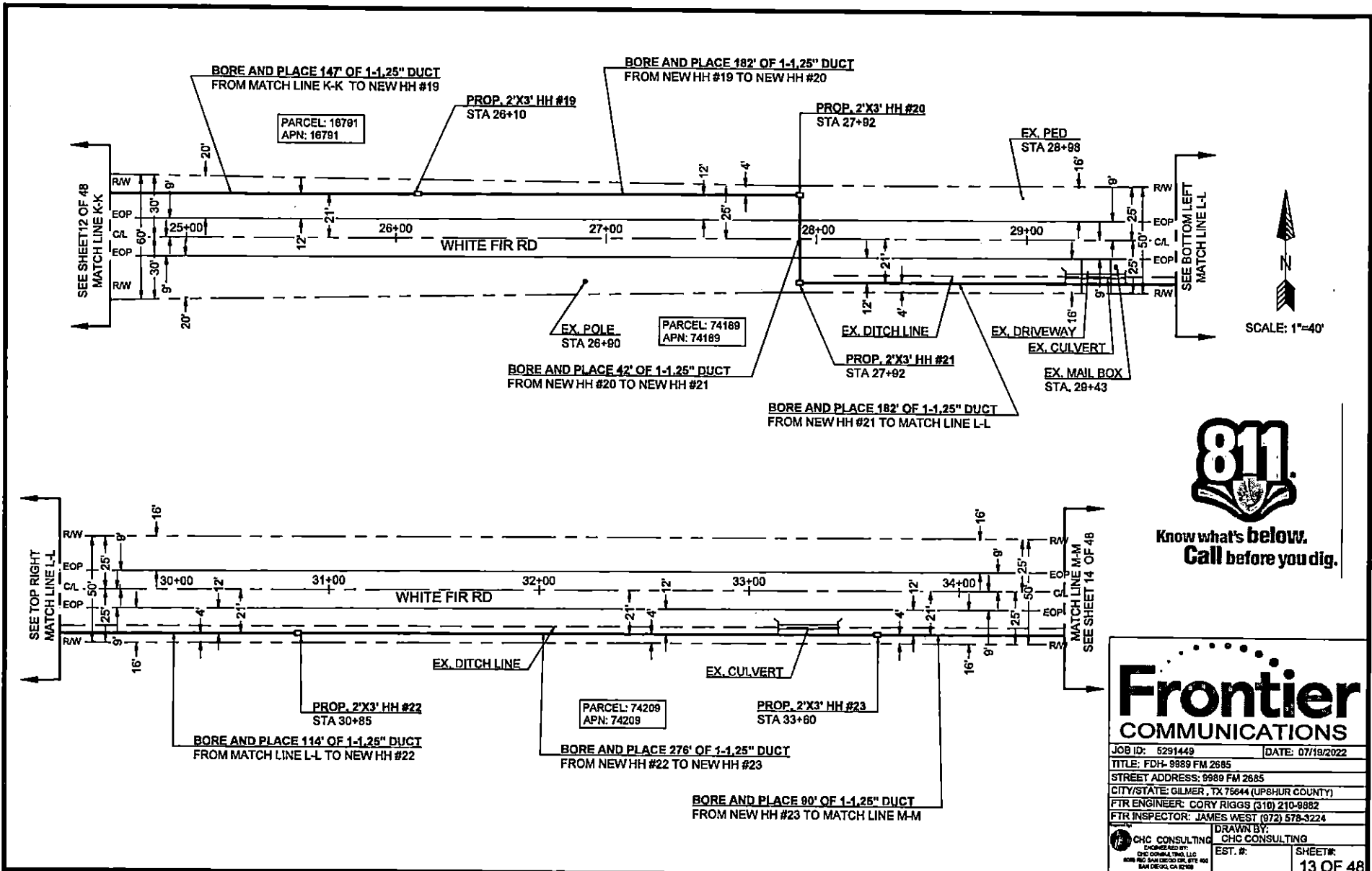
FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

CHC CONSULTING ENGINEER  
1000 W. SAN DIEGO DR. STE 400  
SAN DIEGO, CA 92108

DRAWN BY: CHC CONSULTING  
EST. #:

SHEET#: 12 OF 48



Know what's below.  
Call before you dig.

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDH- 9889 FM 2685

STREET ADDRESS: 9889 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-8882

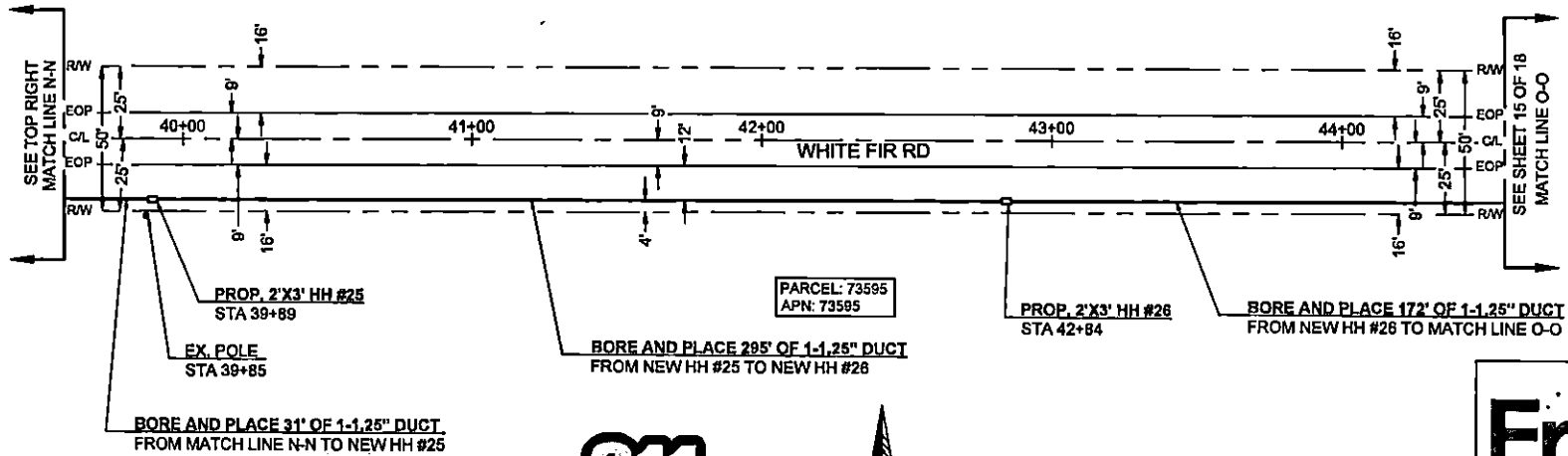
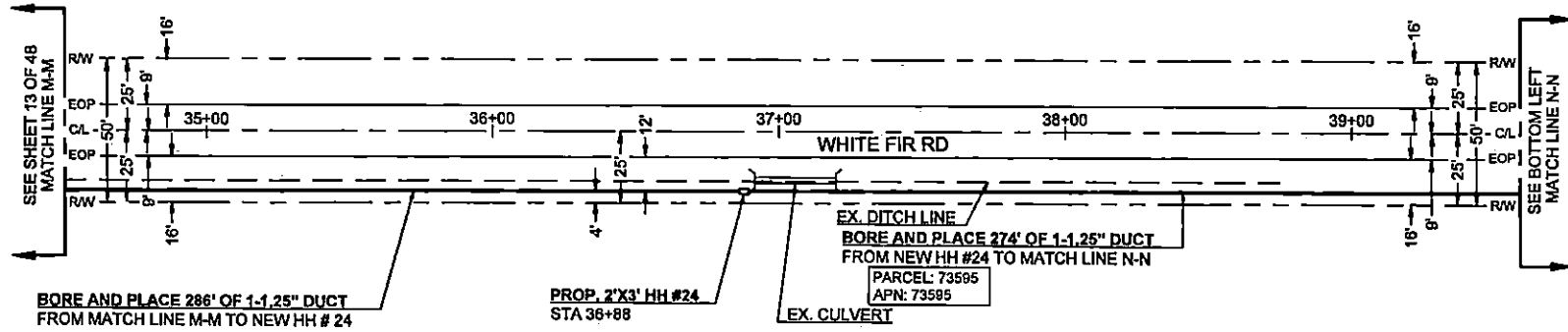
FTR INSPECTOR: JAMES WEST (872) 578-3224

DRAWN BY: CHC CONSULTING

EST. #:      SHEET#: 13 OF 48

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, LLC  
1000 W. AVALON BLVD. SUITE 100  
SAN DIEGO, CA 92108





Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 6281449      DATE: 07/19/2022

TITLE: FDI- 9889 FM 2685

STREET ADDRESS: 9889 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-8882

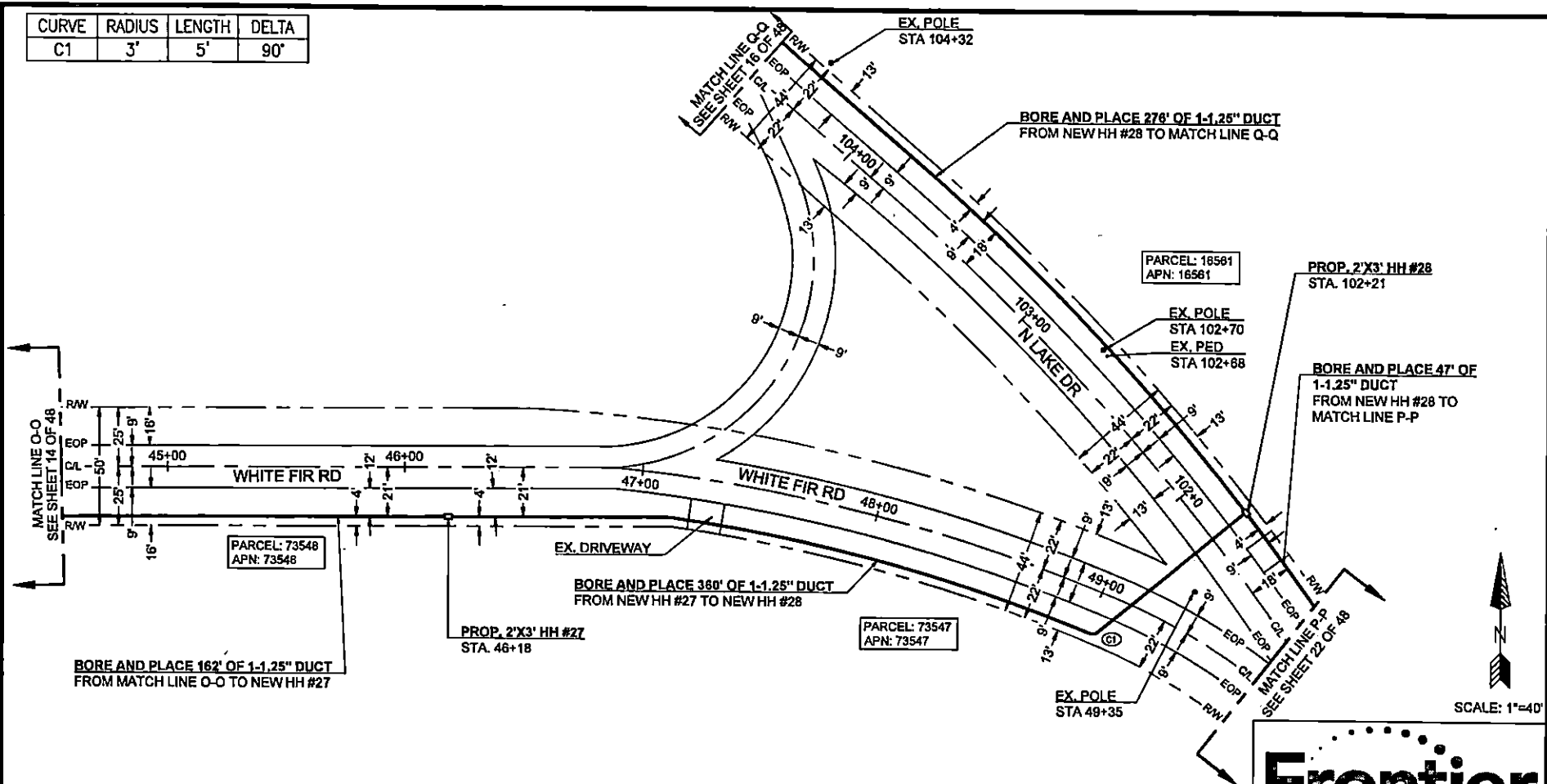
FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

EST. #:      SHEET#: 14 OF 48

CHC CONSULTING  
DIRECTOR:  
CHC CONSULTING LLC  
2000 800 SAN DIEGO DR. STE 400  
SAN DIEGO, CA 92108

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |



BORE AND PLACE 162' OF 1-1.25" DUCT FROM MATCH LINE O-O TO NEW HH #27

PROP. 2'X3' HH #27 STA. 46+18

BORE AND PLACE 380' OF 1-1.25" DUCT FROM NEW HH #27 TO NEW HH #28

BORE AND PLACE 276' OF 1-1.25" DUCT FROM NEW HH #28 TO MATCH LINE Q-Q

PROP. 2'X3' HH #28 STA. 102+21

BORE AND PLACE 47' OF 1-1.25" DUCT FROM NEW HH #28 TO MATCH LINE P-P



Know what's below.  
Call before you dig.

**Frontier COMMUNICATIONS**

JOB ID: 6291449      DATE: 07/19/2022

TITLE: FDI- 0889 FM 2685

STREET ADDRESS: 0889 FM 2685

CITY/STATE: GILMER, TX 76644 (UPSHUR COUNTY)

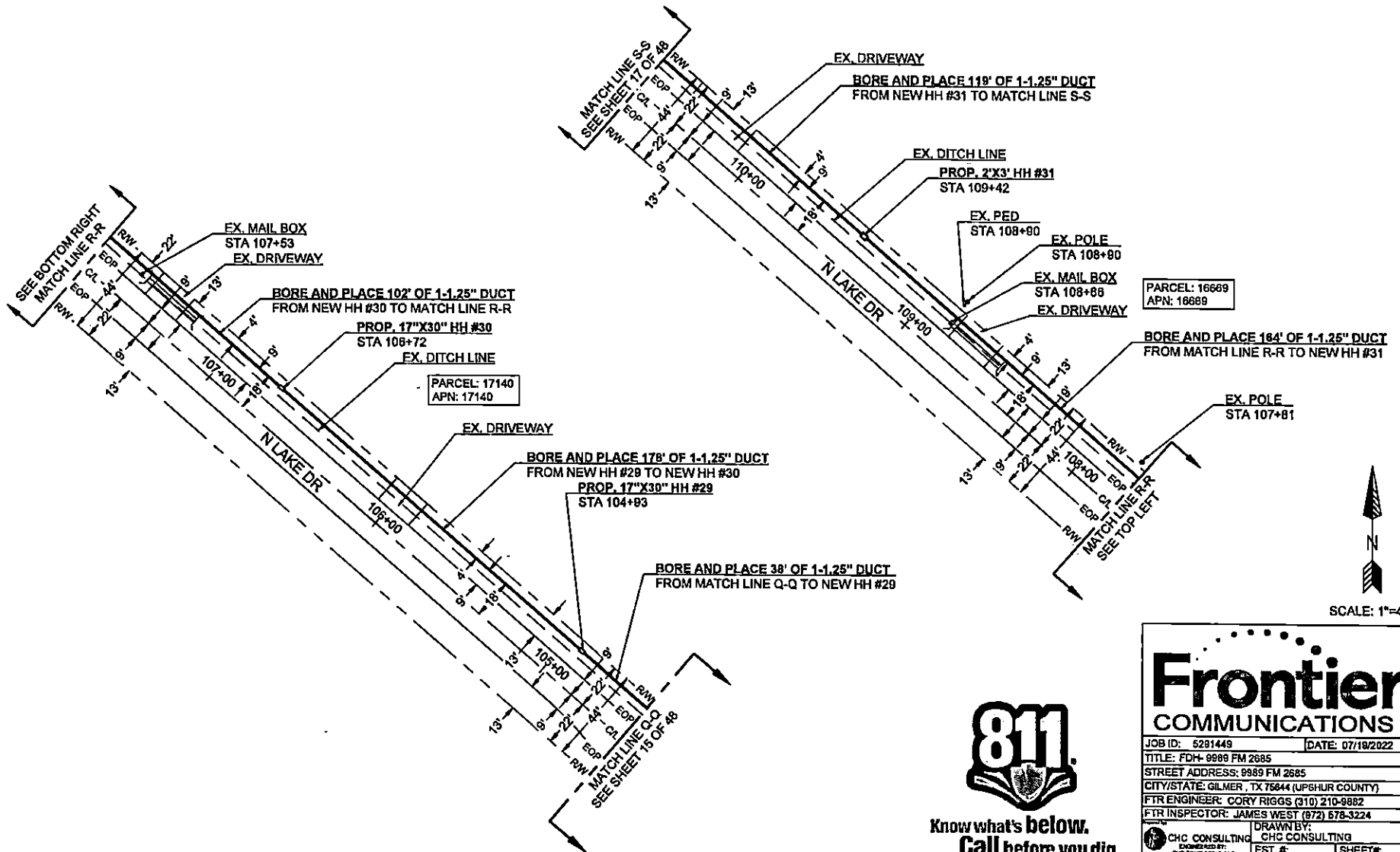
FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

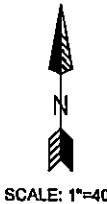
EST. #:      SHEET#: 15 OF 48

CHC CONSULTING  
EXPECTED BY:  
 CHC CONSULTING, LLC  
 8080 W. 54th STREET, SUITE 402  
 SAN DIEGO, CA 92126



PARCEL: 16669  
APN: 16669

PARCEL: 17140  
APN: 17140

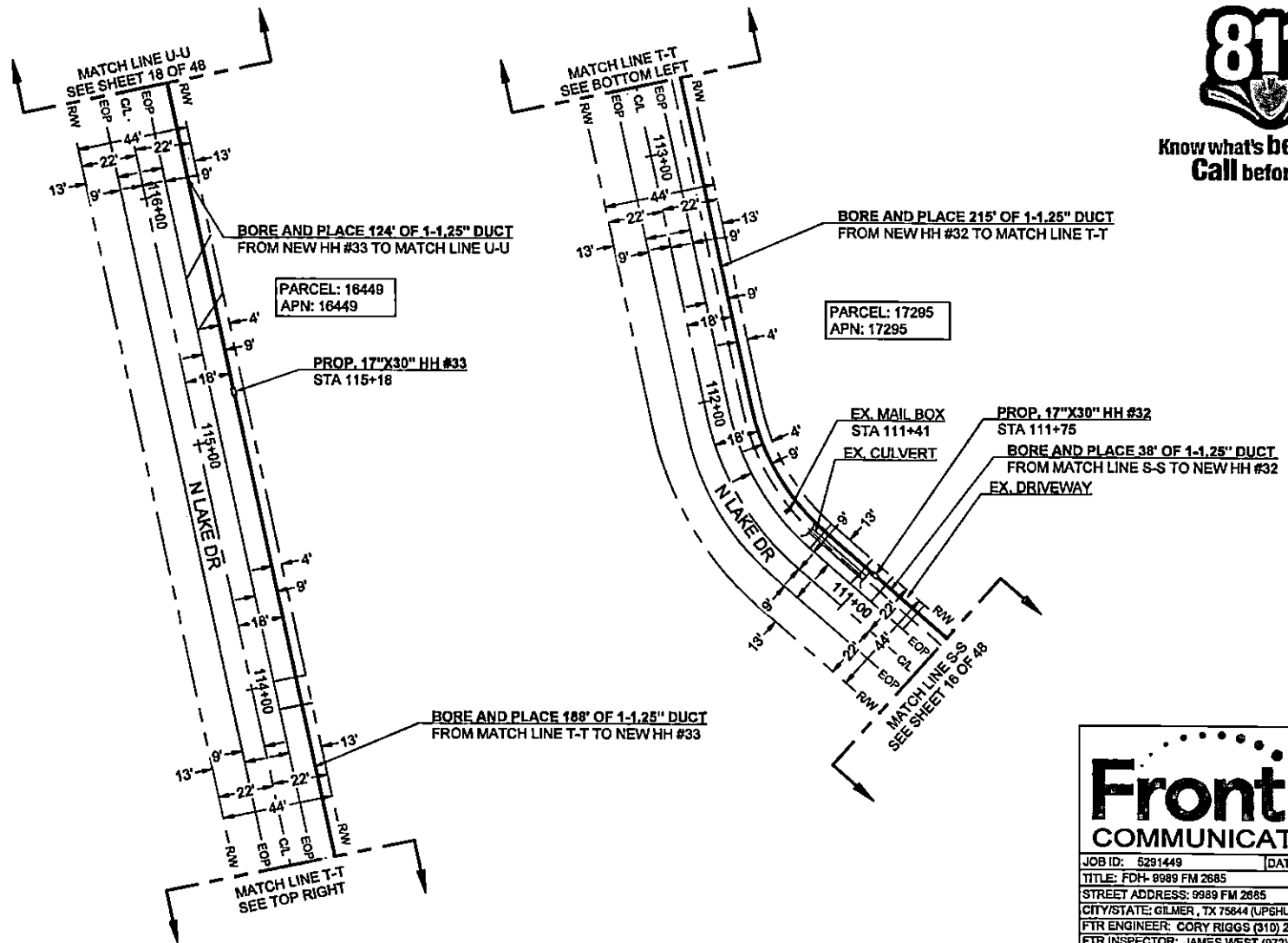


Know what's below.  
Call before you dig.

|   |                      |
|---|----------------------|
| <b>Frontier COMMUNICATIONS</b>  |                      |
| JOB ID: 5291449   | DATE: 07/19/2022     |
| TITLE: FDI- 9989 FM 2685  |                      |
| STREET ADDRESS: 9989 FM 2685  |                      |
| CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)  |                      |
| FTR ENGINEER: CORY RIGGS (310) 210-9882   |                      |
| FTR INSPECTOR: JAMES WEST (872) 678-3224  |                      |
| DRAWN BY: CHC CONSULTING  | EST. #:              |
| CHC CONSULTING<br>ENGINEERED BY:<br>CHC CONSULTING, LLC<br>5085 FM 1500, SUITE 401<br>SAN DIEGO, CA 92108 | SHEET #:<br>16 OF 48 |



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDH- 9989 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75844 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

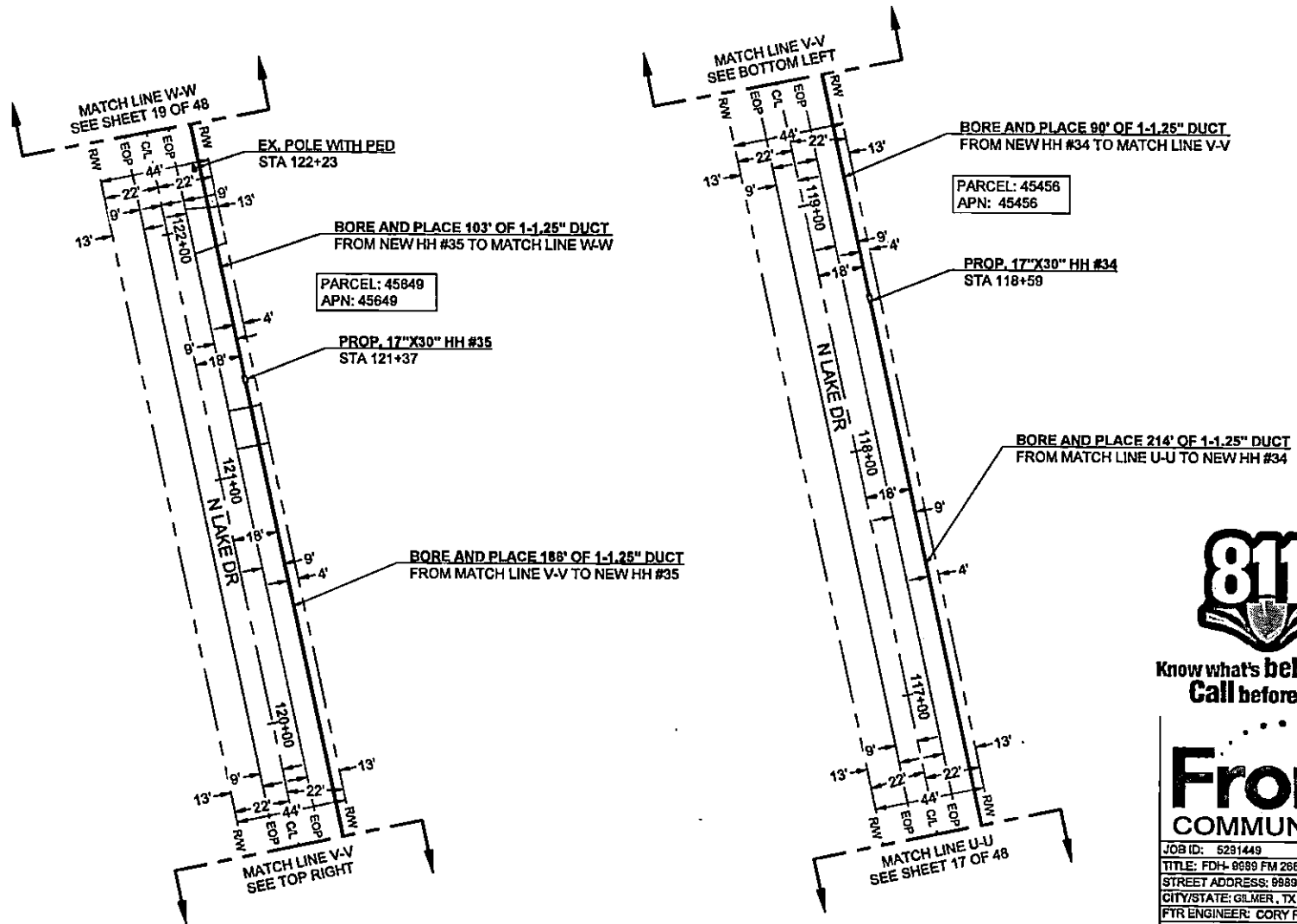
FTR INSPECTOR: JAMES WEST (072) 578-3224

DRAWN BY: CHC CONSULTING

ENGINEERED BY: CHC CONSULTING

EST. #: SHEET: 17 OF 48

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, LLC  
10000 SAN DIEGO DR, SUITE 400  
SAN DIEGO, CA 92126



Know what's below.  
Call before you dig. SCALE: 1"=40'

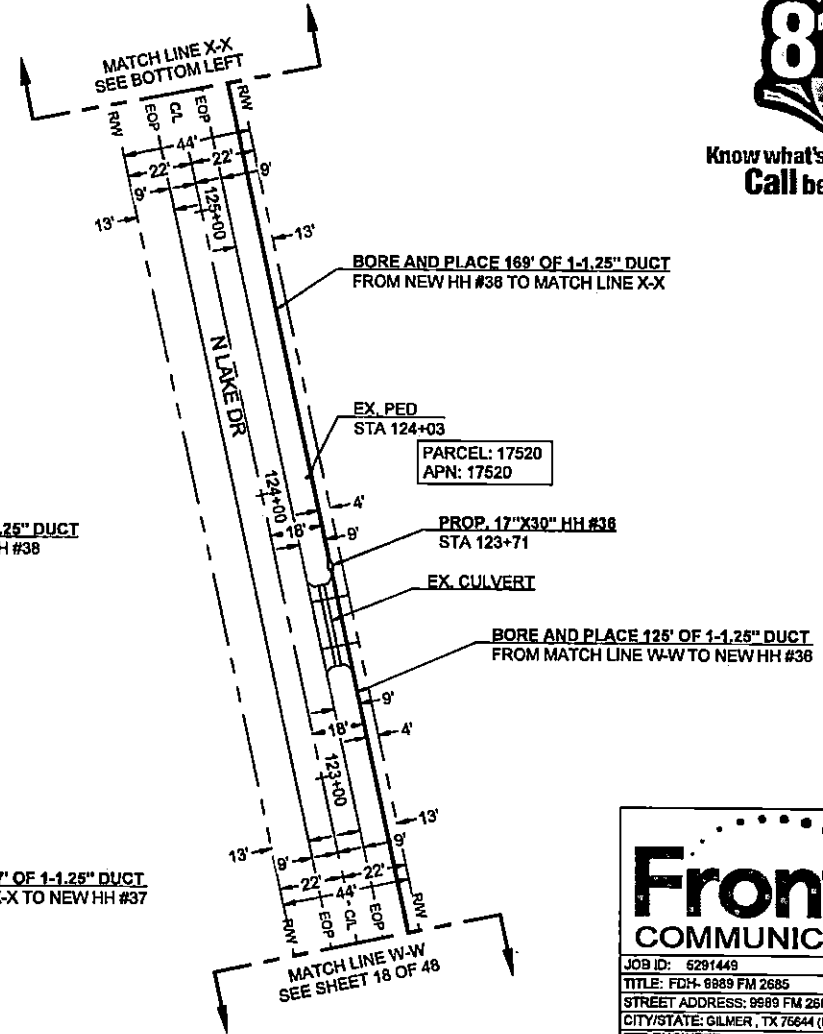
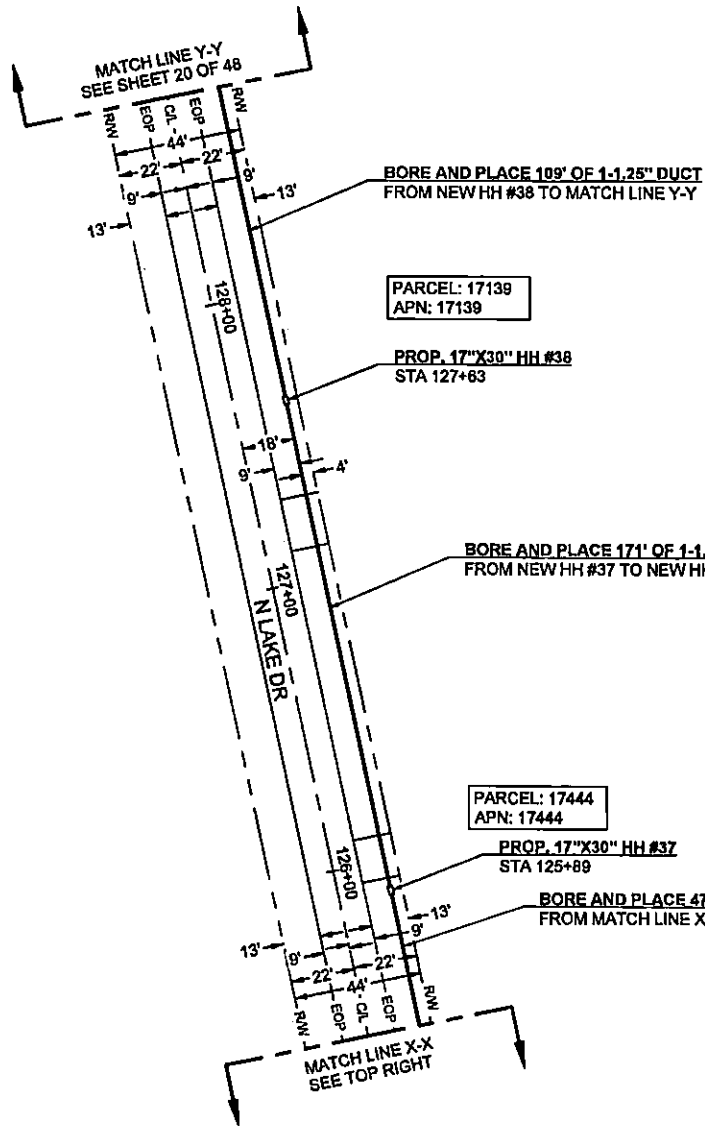
**Frontier**  
COMMUNICATIONS

JOB ID: 5291449      DATE: 07/19/2022  
 TITLE: FDH- 9689 FM 2685  
 STREET ADDRESS: 9689 FM 2685  
 CITY/STATE: GILMER, TX 75844 (UPSHUR COUNTY)  
 FTR ENGINEER: CORY RIGGS (310) 210-9882  
 FTR INSPECTOR: JAMES WEST (972) 578-3224

|  |                             |                             |
|--|-----------------------------|-----------------------------|
| CHC CONSULTING<br><small>           CHECKED BY:<br/>           CHC CONSULTING, LLC<br/>           1201 RIO SAN DIEGO DR, SUITE 401<br/>           SAN DIEGO, CA 92108         </small> | DRAWN BY:<br>CHC CONSULTING | SHEET #:<br><b>18 OF 48</b> |
|  | EST. #:<br>EST. #           |                             |



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 6291449      DATE: 07/19/2022

TITLE: FDH- 8889 FM 2685

STREET ADDRESS: 8889 FM 2685

CITY/STATE: GILMER, TX 76644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 678-3224

DRAWN BY: CHC CONSULTING

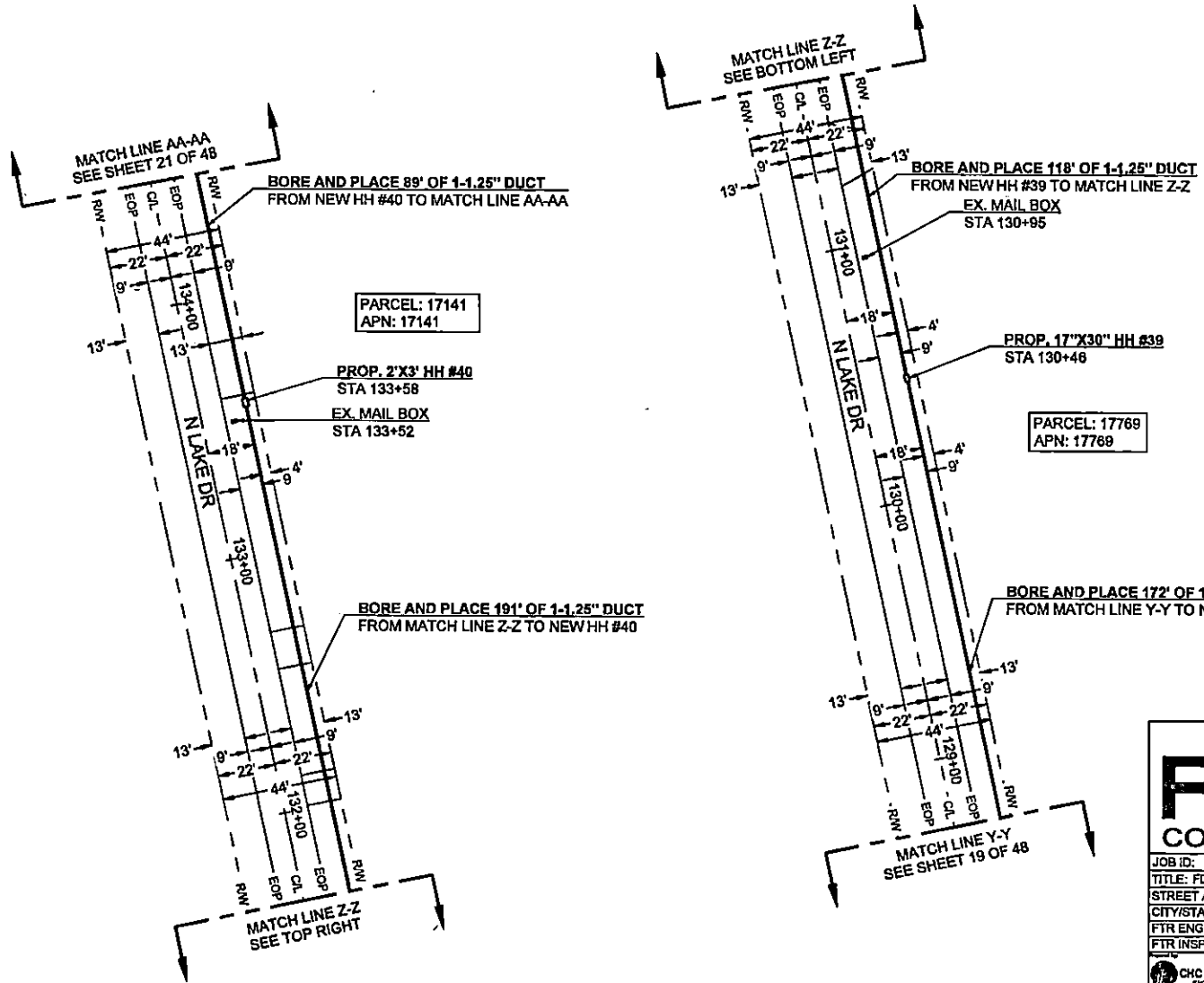
EST. #:

SHEET#: 19 OF 48

CHC CONSULTING  
ENGINEER BY: CHC CONSULTING  
10400 RINGBROOK DR, STE 400  
SAN DIEGO, CA 92121



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 6291449      DATE: 07/10/2022

TITLE: FDM- 8889 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75844 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

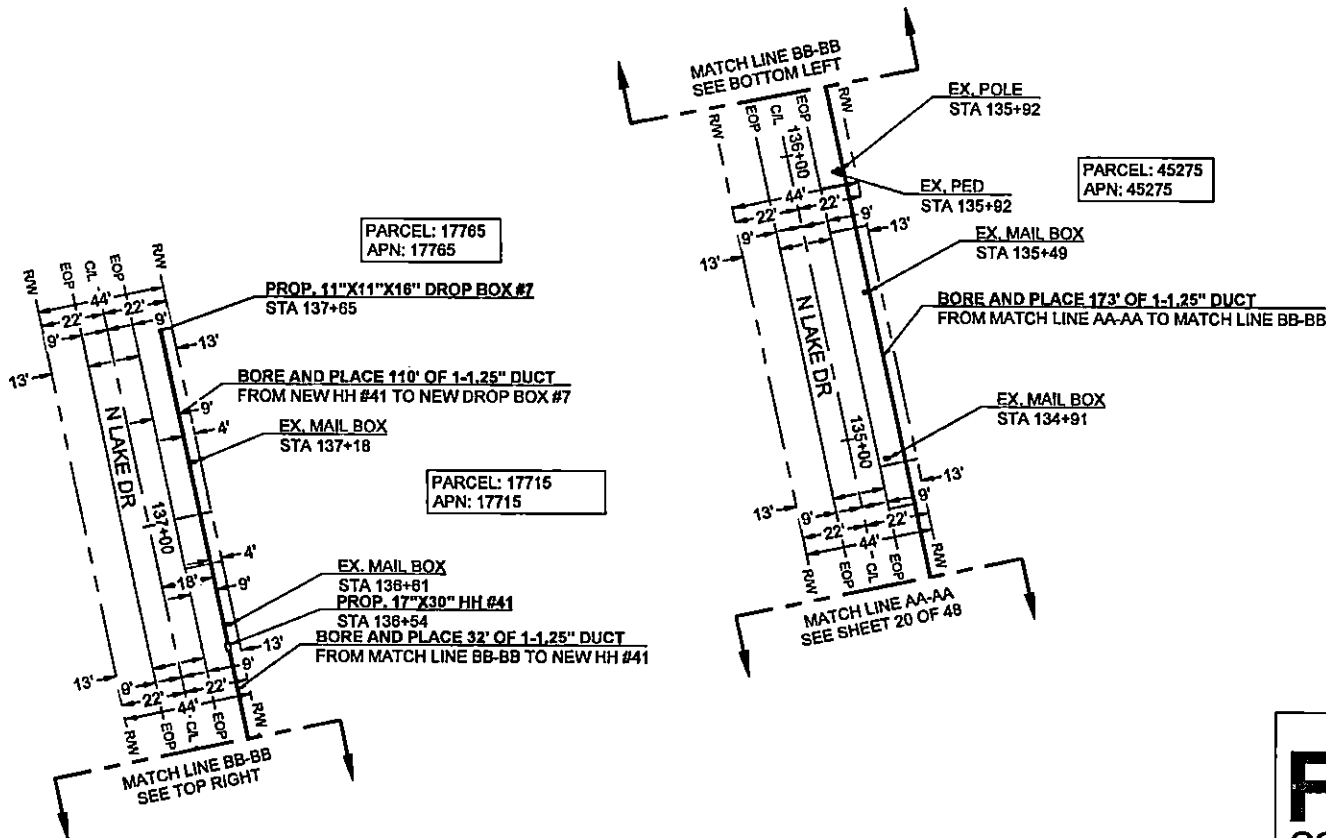
DRAWN BY: CHC CONSULTING

EST. #:      SHEET#: 20 OF 48

CHC CONSULTING  
ENGINEERING BY:  
CHC CONSULTING LLC  
2000 P.O. BOX 1000000 DALLAS, TX 75210  
SAN DIEGO, CA 92108



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDI- 9689 FM 2685

STREET ADDRESS: 9689 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-8882

FTR INSPECTOR: JAMES WEST (972) 678-3224

DRAWN BY: CHC CONSULTING

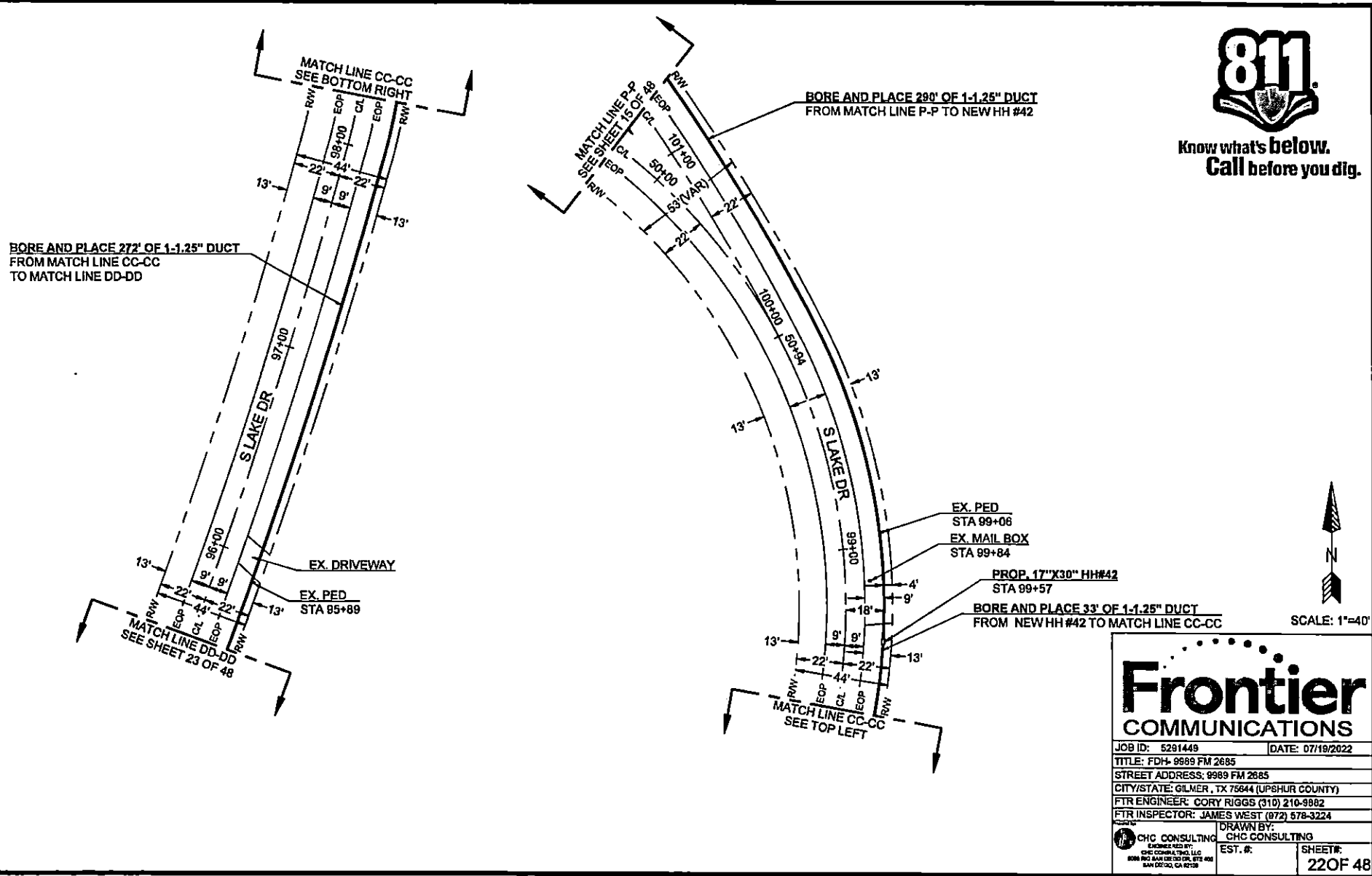
EST. #:      SHEET#: 21 OF 48

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, INC.  
8080 BOULDER CREEK DR., SUITE 400  
SAN DIEGO, CA 92128





Know what's below.  
Call before you dig.



**Frontier COMMUNICATIONS**

JOB ID: 5281449      DATE: 07/19/2022

TITLE: FDH- 9889 FM 2685

STREET ADDRESS: 9889 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

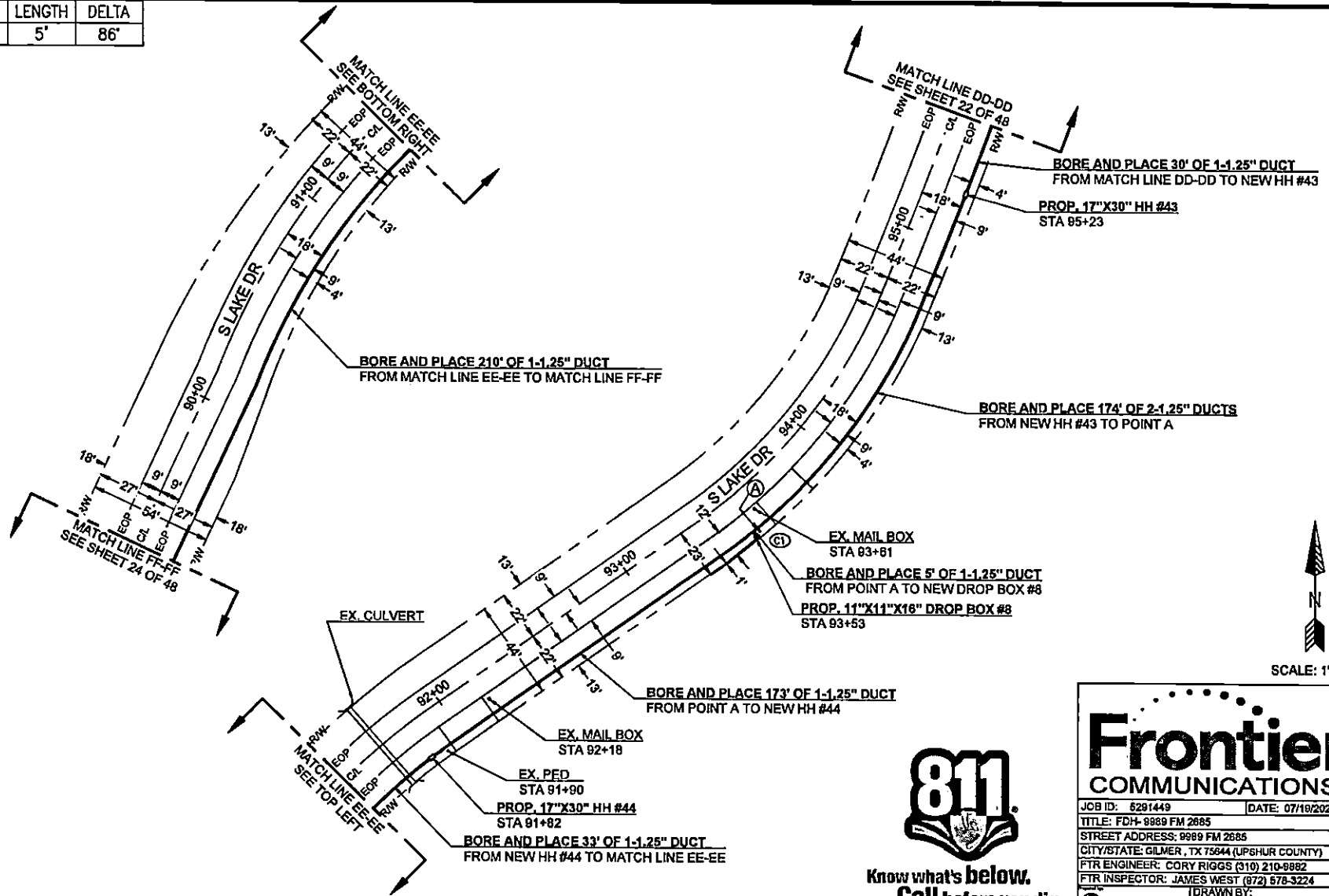
DRAWN BY: CHC CONSULTING

ENGINEERED BY: CHC CONSULTING

EST. #:      SHEET#: 22 OF 48

CHC CONSULTING ENGINEERS INC. 8080 BAY DRIVE, SUITE 400 SAN DIEGO, CA 92128

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 86°   |



SCALE: 1"=40'



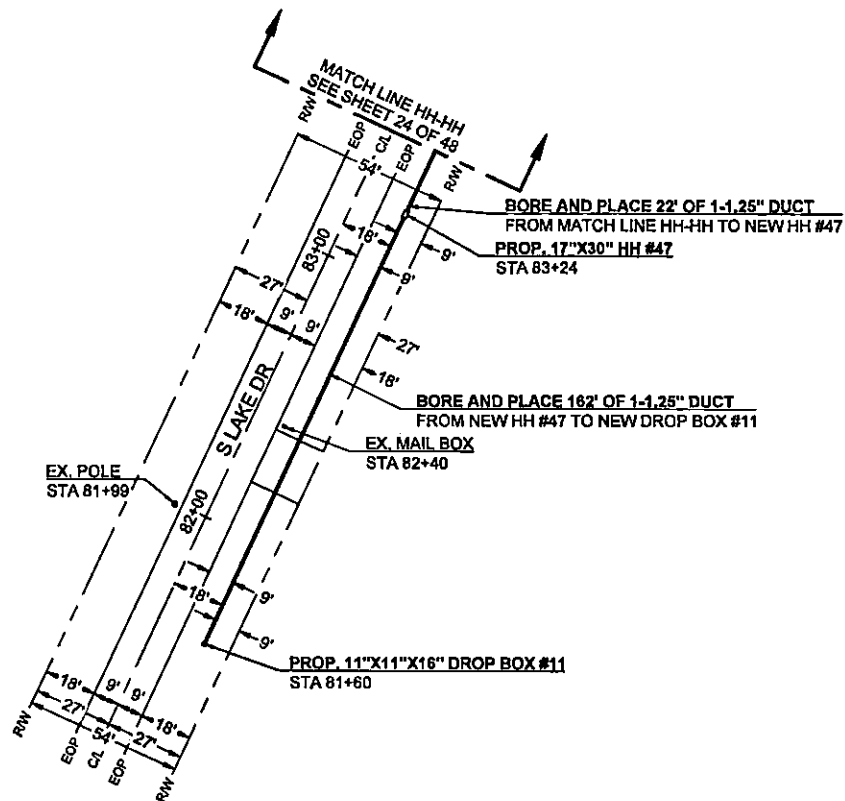
Know what's below.  
Call before you dig.

|  |   |
|--|---|
| <b>Frontier COMMUNICATIONS</b>   |   |
| JOB ID: 6291449  | DATE: 07/19/2022  |
| TITLE: FDH- 9889 FM 2885   |   |
| STREET ADDRESS: 9889 FM 2885   |   |
| CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)   |   |
| FTR ENGINEER: CORY RIGGS (310) 210-9882  |   |
| FTR INSPECTOR: JAMES WEST (872) 578-3224   |   |
| CHC CONSULTING<br><small>UNINCORPORATED</small><br>1200 W. 54th Street, Suite 100<br>San Diego, CA 92121 | DRAWN BY:<br>CHC CONSULTING<br>EST. #:<br>SHEET #:<br><b>23 OF 48</b> |





Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier**  
COMMUNICATIONS

JOB ID: 5281449      DATE: 07/18/2022

TITLE: FD+- 9989 FM 2685

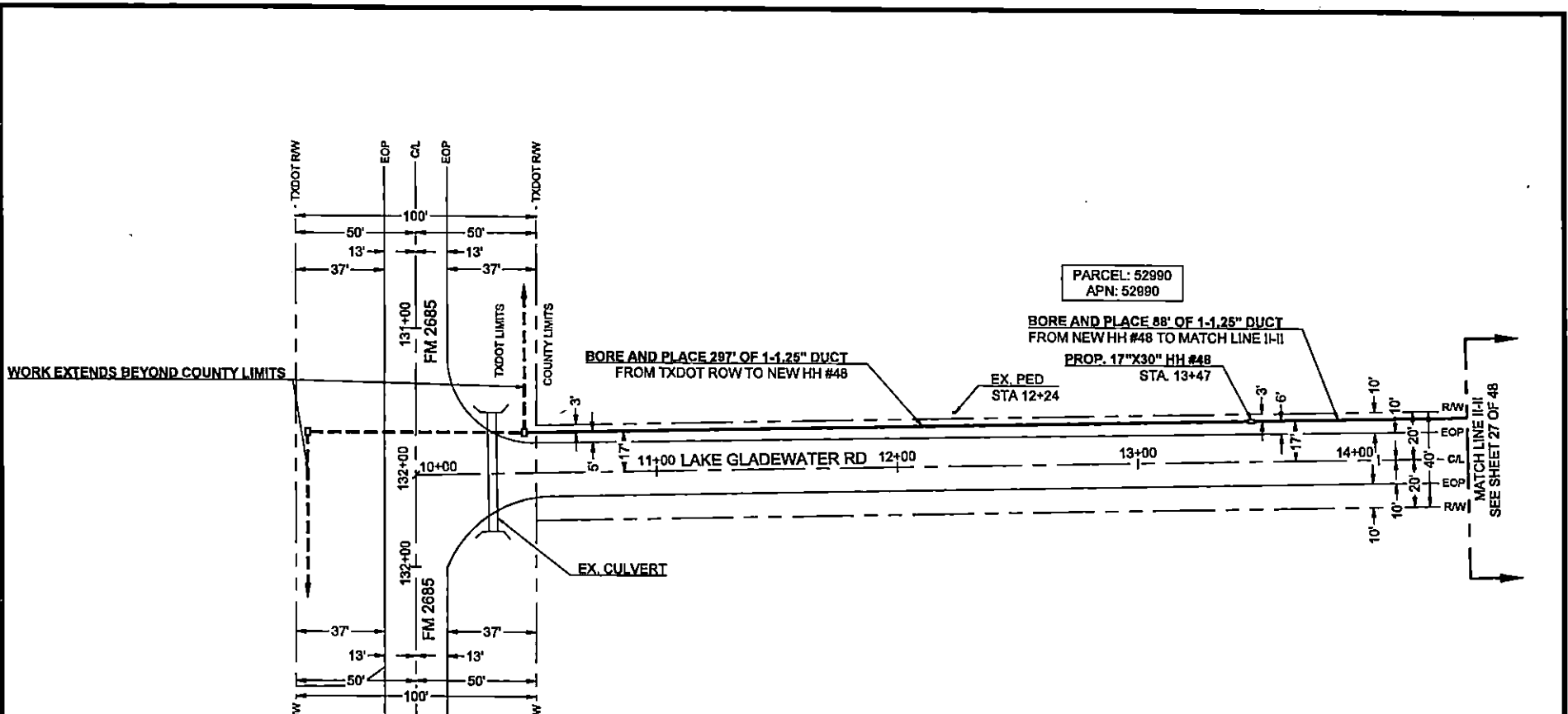
STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (872) 578-3224

|  |                             |
|--|-----------------------------|
| CHC CONSULTING<br><small>CHC CONSULTING, LLC<br/>         8000 RIO SAN JOSE DR, STE 402<br/>         SAN DIEGO, CA 92128</small> | DRAWN BY:<br>CHC CONSULTING |
|  | EST. #:                     |
| SHEET#:<br>25 OF 48  |                             |



PARCEL: 52990  
APN: 52890

BORE AND PLACE 297' OF 1-1.25" DUCT  
FROM TXDOT ROW TO NEW HH #48

BORE AND PLACE 88' OF 1-1.25" DUCT  
FROM NEW HH #48 TO MATCH LINE II-II

PROP. 17"X30" HH #48  
STA. 13+47

EX. PED  
STA 12+24

EX. CULVERT

WORK EXTENDS BEYOND COUNTY LIMITS

MATCH LINE II-II  
SEE SHEET 27 OF 48



Know what's below.  
Call before you dig.



SCALE: 1"=40'

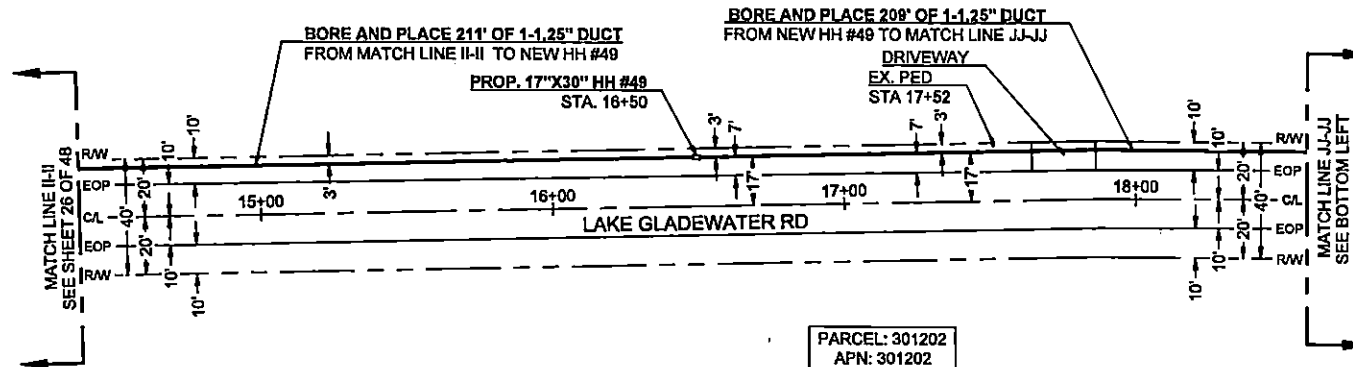
# Frontier COMMUNICATIONS

|   |  |                            |  |
|---|--|----------------------------|--|
| JOB ID: 5291449   |  | DATE: 07/18/2022           |  |
| TITLE: FDI- 9989 FM 2685  |  |                            |  |
| STREET ADDRESS: 9989 FM 2685  |  |                            |  |
| CITY/STATE: GALMER, TX 75644 (UPSHUR COUNTY)  |  |                            |  |
| FTR ENGINEER: CORY RIGGS (310) 210-9882   |  |                            |  |
| FTR INSPECTOR: JAMES WEST (972) 678-3224  |  |                            |  |
| DRAWN BY:<br>CHC CONSULTING   |  | EST. #:                    |  |
| <small>           CHC CONSULTING<br/>           ENGINEERED BY:<br/>           CHC CONSULTING, LLC<br/>           8008 W. 94th STREET, SUITE 400<br/>           OVERLAND PARK, KS 66207         </small> |  | SHEET#:<br><b>26 OF 48</b> |  |

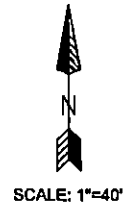
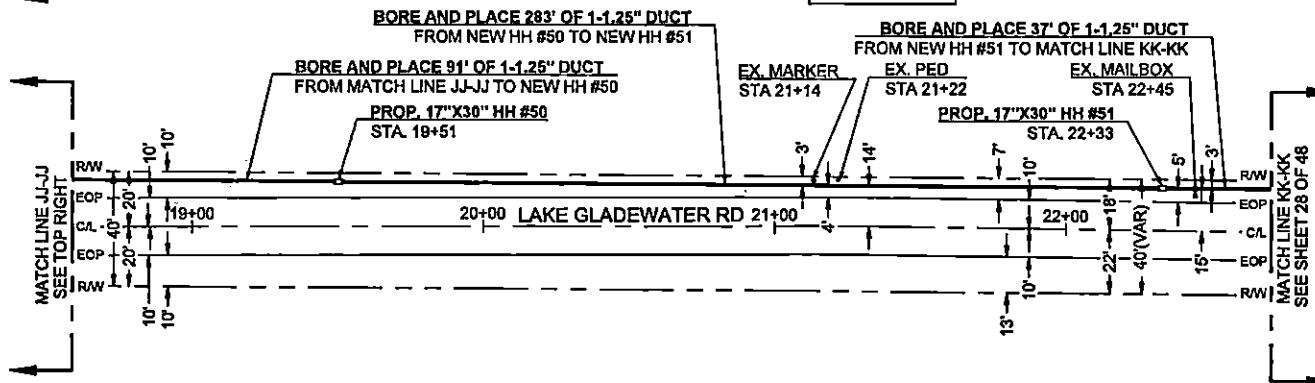


Know what's below.  
Call before you dig.

PARCEL: 65095785  
APN: 65095785



PARCEL: 301202  
APN: 301202



**Frontier COMMUNICATIONS**

JOB ID: 5291448      DATE: 07/19/2022

TITLE: FDH- 9989 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75844 (UPSHUR COUNTY)

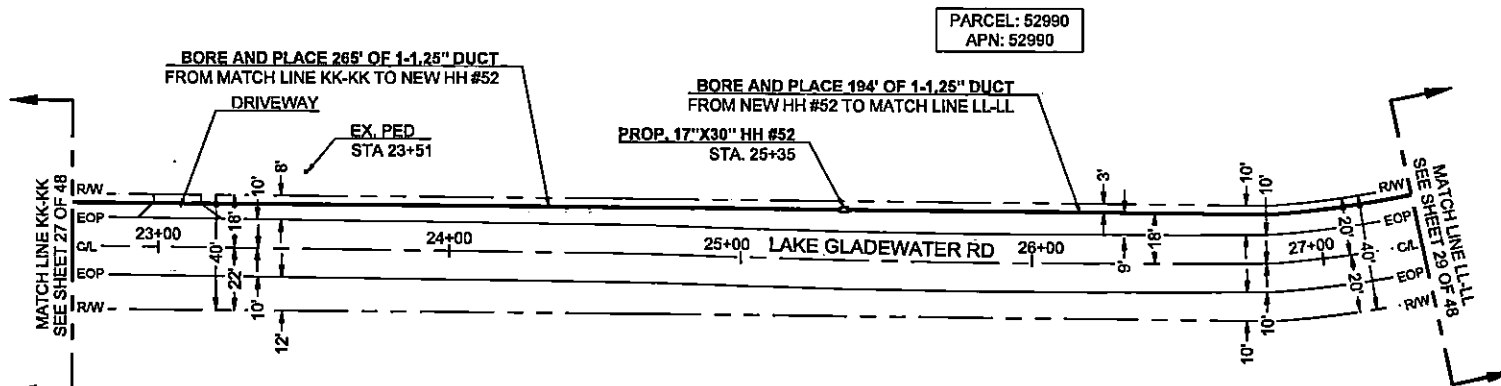
FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

CHC CONSULTING  
 ENGINEERS & ARCHITECTS  
 8000 SAN DIEGO DR. SUITE 400  
 SAN DIEGO, CA 92121

EST. #:      SHEET#: 27 OF 48



PARCEL: 52990  
APN: 52990

BORE AND PLACE 265' OF 1-1.25" DUCT  
FROM MATCH LINE KK-KK TO NEW HH #52

BORE AND PLACE 194' OF 1-1.25" DUCT  
FROM NEW HH #52 TO MATCH LINE LL-LL

EX. PED  
STA 23+51

PROP. 17"X30" HH #52  
STA. 25+35



Know what's below.  
Call before you dig.



SCALE: 1"=40'

# Frontier COMMUNICATIONS

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDH- 9999 FM 2685

STREET ADDRESS: 9999 FM 2685

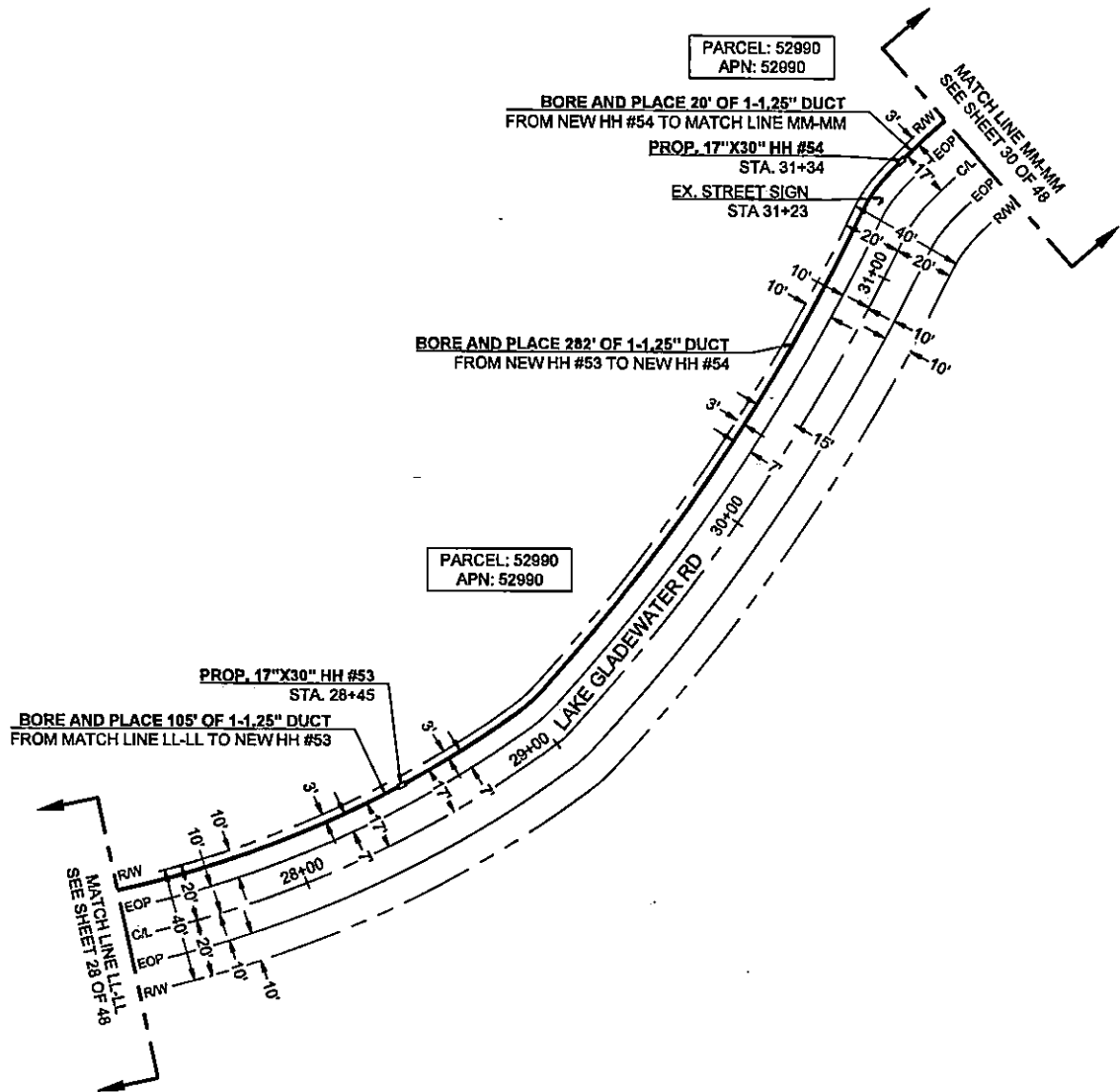
CITY/STATE: GILMER, TX 75644 (LPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

|   |   |
|---|---|
| <p><b>CHC CONSULTING</b><br/>ENGINEERED BY:<br/>CHC CONSULTING, LLC<br/>808 PICO SAN DIEGO DR., STE 401<br/>SAN DIEGO, CA 92108</p> | <p>DRAWN BY:<br/>CHC CONSULTING<br/>EST. #:<br/>SHEET#:</p> |
|---|---|

**28 OF 48**



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDH- 9889 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

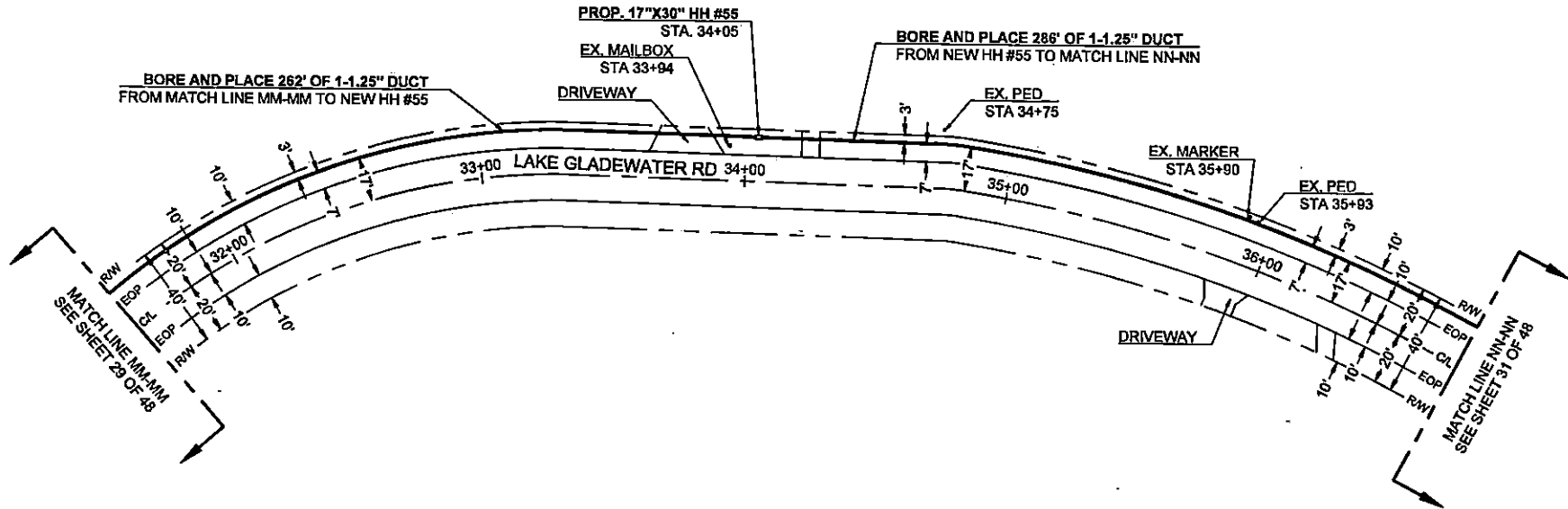
FTR INSPECTOR: JAMES WEST (872) 578-3224

|   |                                     |
|---|-------------------------------------|
| <p>CHC CONSULTING<br/>ENGINEERED BY:<br/>CHC CONSULTING LLC<br/>8000 W. SAN DIEGO ST., STE. 402<br/>SAN DIEGO, CA 92126</p> | <p>DRAWN BY:<br/>CHC CONSULTING</p> |
|   | <p>EST. #:</p>                      |

SHEET#: 29 OF 48



PARCEL: 65003323  
 APN: 65003323

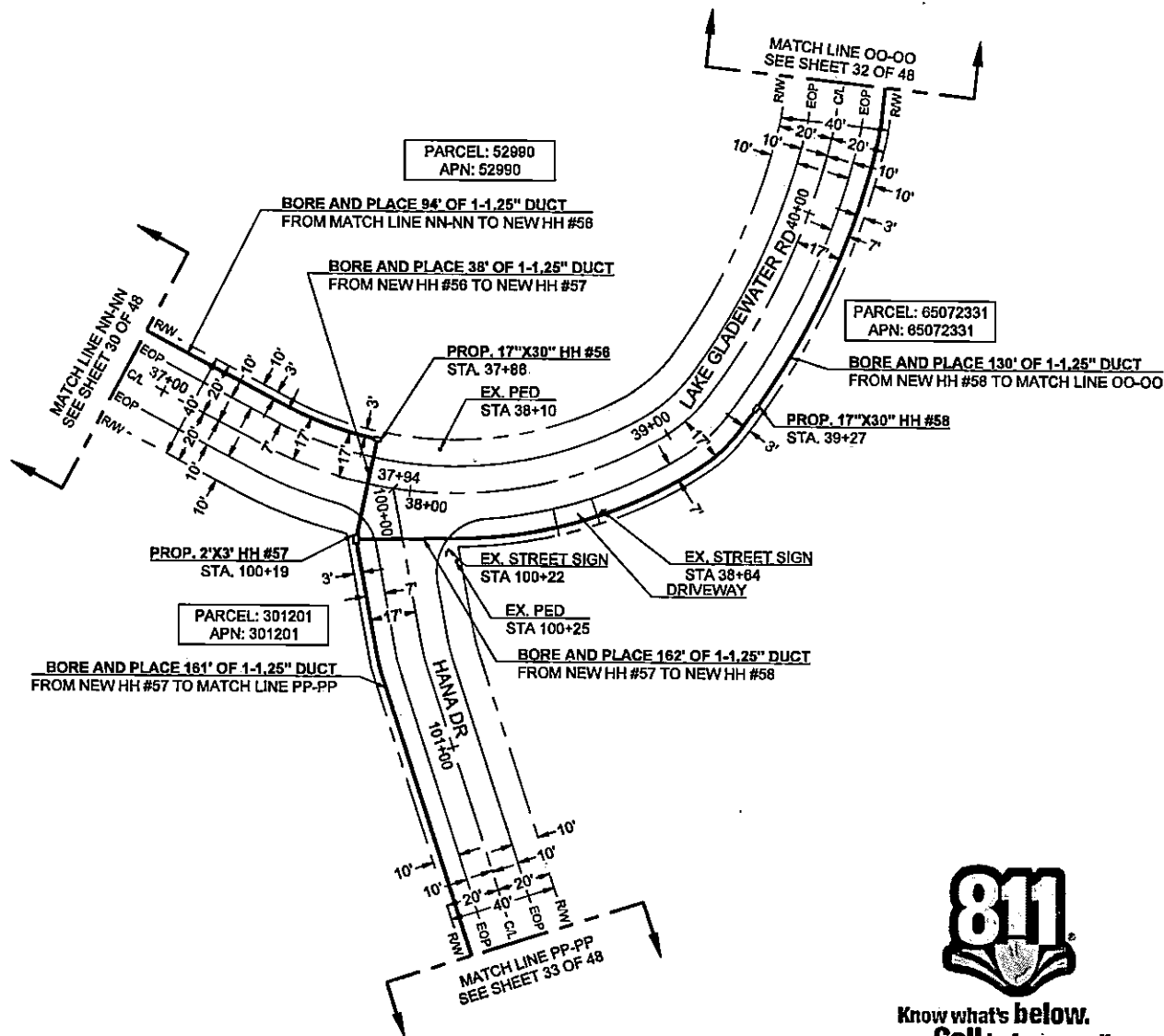


Know what's below.  
 Call before you dig.



SCALE: 1"=40'

|  |                          |
|--|--------------------------|
| <b>Frontier COMMUNICATIONS</b>                           |                          |
| JOB ID: 5291449  | DATE: 07/19/2022         |
| TITLE: FDH- 8989 FM 2685                                 |                          |
| STREET ADDRESS: 9989 FM 2685                             |                          |
| CITY/STATE: GILMER, TX 75844 (UPSHUR COUNTY)             |                          |
| FTR ENGINEER: CORY RIGGS (310) 210-9882                  |                          |
| FTR INSPECTOR: JAMES WEST (972) 578-3224                 |                          |
| CHC CONSULTING ENGINEERS BY: CHC CONSULTING              | DRAWN BY: CHC CONSULTING |
| EST. #:  | SHEET#:                  |
| 3000 PICO BLVD SUITE 200, STE 800<br>SAN DIEGO, CA 92108 | 30 OF 48                 |

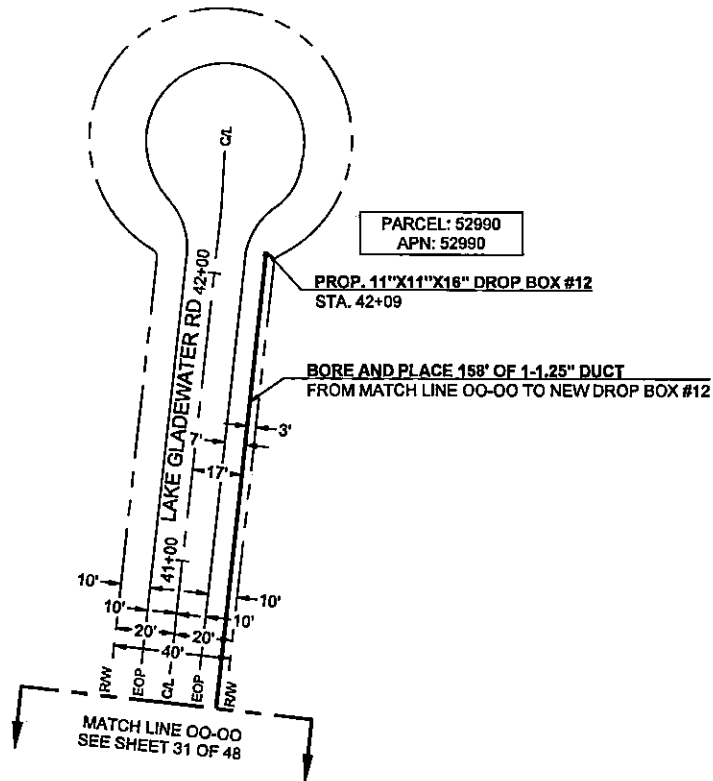


Know what's below.  
Call before you dig.



SCALE: 1"=40'

|  |                             |
|--|-----------------------------|
| <b>Frontier COMMUNICATIONS</b>   |                             |
| JOB ID: 5291449  | DATE: 07/18/2022            |
| TITLE: FDH- 9889 FM 2685   |                             |
| STREET ADDRESS: 9889 FM 2685   |                             |
| CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)   |                             |
| FTR ENGINEER: CORY RIGGS (310) 210-9882  |                             |
| FTR INSPECTOR: JAMES WEST (972) 576-3224   |                             |
| DRAWN BY: CHC CONSULTING   |                             |
| CHC CONSULTING<br>ENGINEERED BY:<br>CHC CONSULTING, LLC<br>8080 PINE BLVD SUITE 200<br>SAN DIEGO, CA 92121 | EST. #: SHEET#:<br>31 OF 48 |



PARCEL: 52990  
APN: 52990

PROP. 11"X11"X18" DROP BOX #12  
STA. 42+09

BORE AND PLACE 158' OF 1-1.25" DUCT  
FROM MATCH LINE 00-00 TO NEW DROP BOX #12

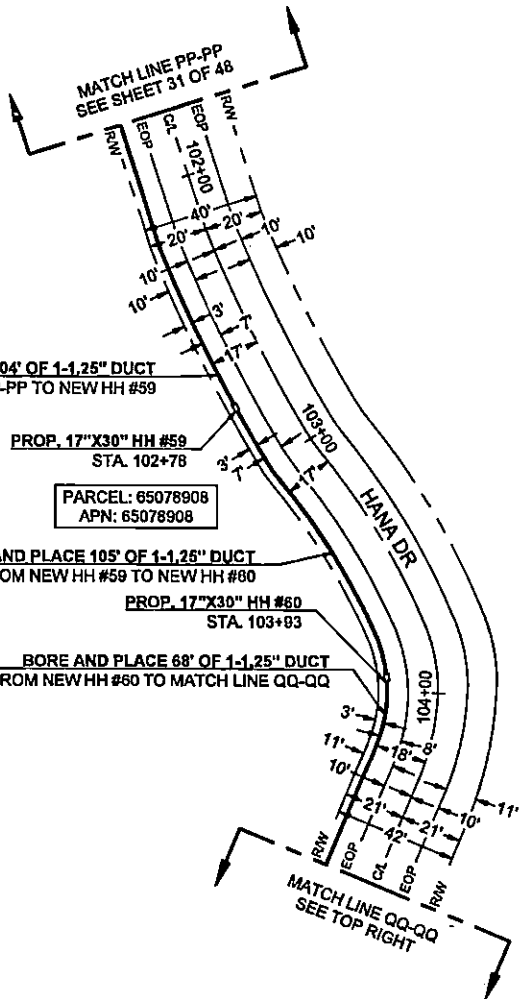


Know what's below.  
Call before you dig.



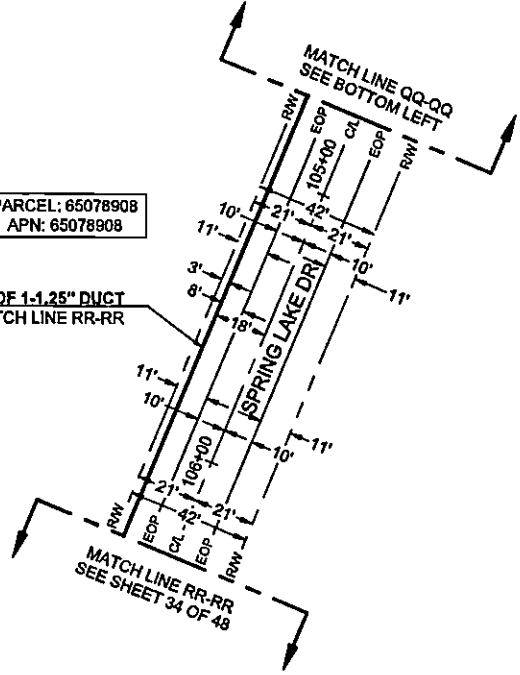
SCALE: 1"=40'

|  |  |
|--|--|
| <b>Frontier COMMUNICATIONS</b>   |  |
| JOB ID: 5291449  | DATE: 07/19/2022                           |
| TITLE: FDH- 9989 FM 2685   |  |
| STREET ADDRESS: 9989 FM 2685   |  |
| CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)   |  |
| FTR ENGINEER: CORY RIGGS (310) 210-9882  |  |
| FTR INSPECTOR: JAMES WEST (672) 678-3224   |  |
| CHC CONSULTING<br><small>ENGINEERED BY:<br/>CHC CONSULTING, LLC<br/>1000 W. SAN DIEGO AVE. STE 400<br/>SAN DIEGO, CA 92108</small> | DRAWN BY:<br>CHC CONSULTING<br>EST. #:<br> |
|  | SHEET #:<br>32 OF 48                       |



PARCEL: 65078908  
APN: 65078908

BORE AND PLACE 165' OF 1-1.25" DUCT  
FROM MATCH LINE QQ-QQ TO MATCH LINE RR-RR



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 6281449      DATE: 07/19/2022

TITLE: FDH- 9999 FM 2885

STREET ADDRESS: 9999 FM 2885

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING

CHC CONSULTING, INC.  
1000 N. HAWK CREEK DR., STE. 400  
SAN ANTONIO, TX 78208

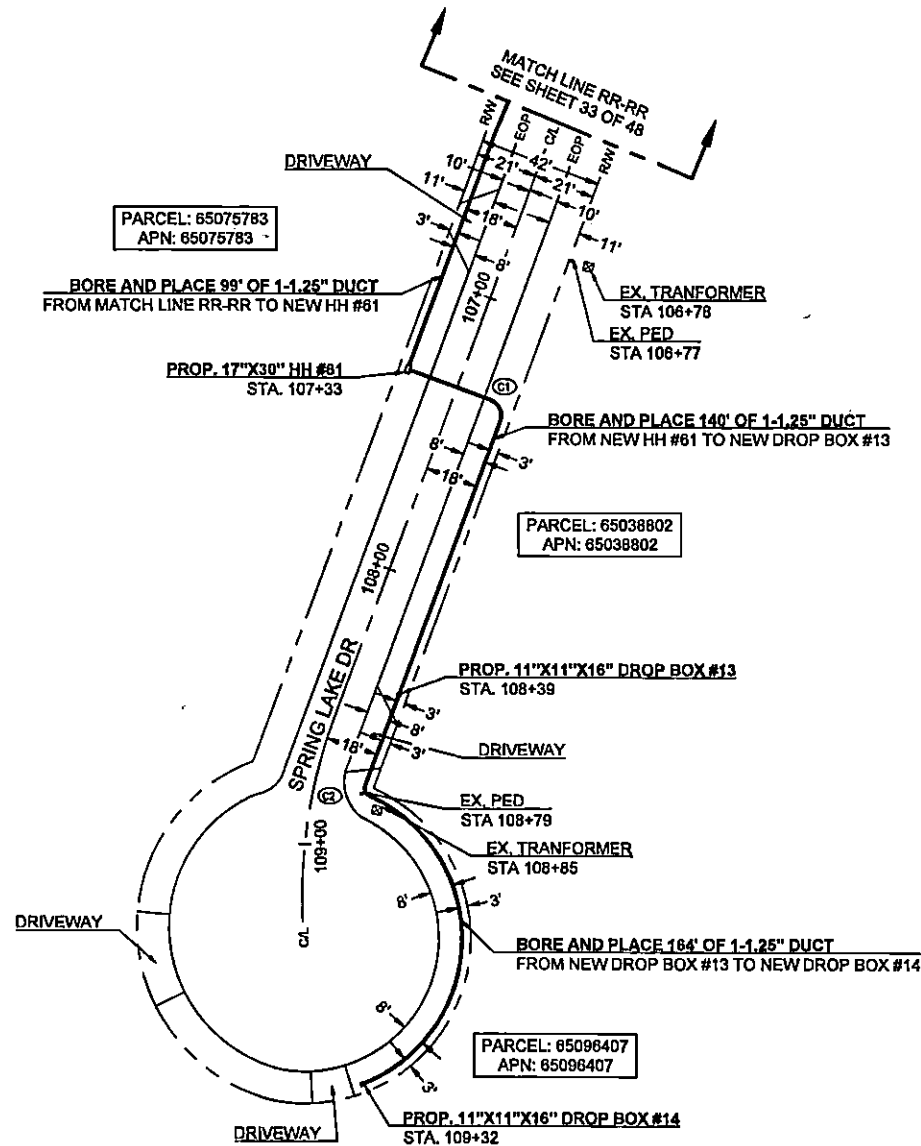
DRAWN BY: CHC CONSULTING

EST. #:

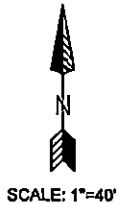
SHEET #:

**33 OF 48**

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 6'     | 8'     | 90°   |
| C2    | 3'     | 4'     | 86°   |



Know what's below.  
Call before you dig.



**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/18/2022

TITLE: FDH- 9989 FM 2885

STREET ADDRESS: 9989 FM 2885

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

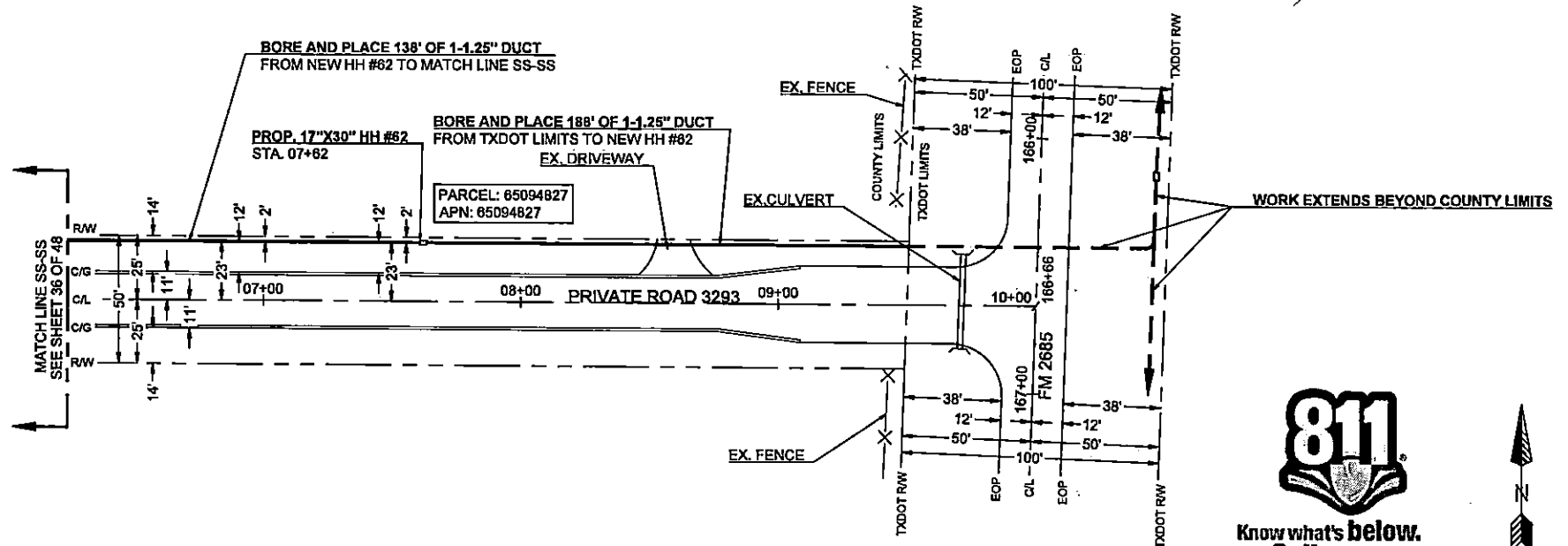
FTR INSPECTOR: JAMES WEST (672) 678-3224

DRAWN BY: CHC CONSULTING

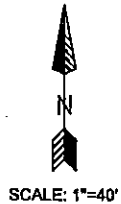
EST. #:      SHEET#: 34 OF 48

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, LLC  
1801 BAY STREET, SUITE 100  
SAN DIEGO, CA 92101

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 6'     | 8'     | 90°   |
| C2    | 3'     | 4'     | 86°   |



Know what's below.  
Call before you dig.



**Frontier COMMUNICATIONS**

JOB ID: 5291449 | DATE: 07/19/2022

TITLE: FDH- 9889 FM 2685

STREET ADDRESS: 9889 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (672) 578-3224

DRAWN BY: CHC CONSULTING

ENGINEERED BY: CHC CONSULTING

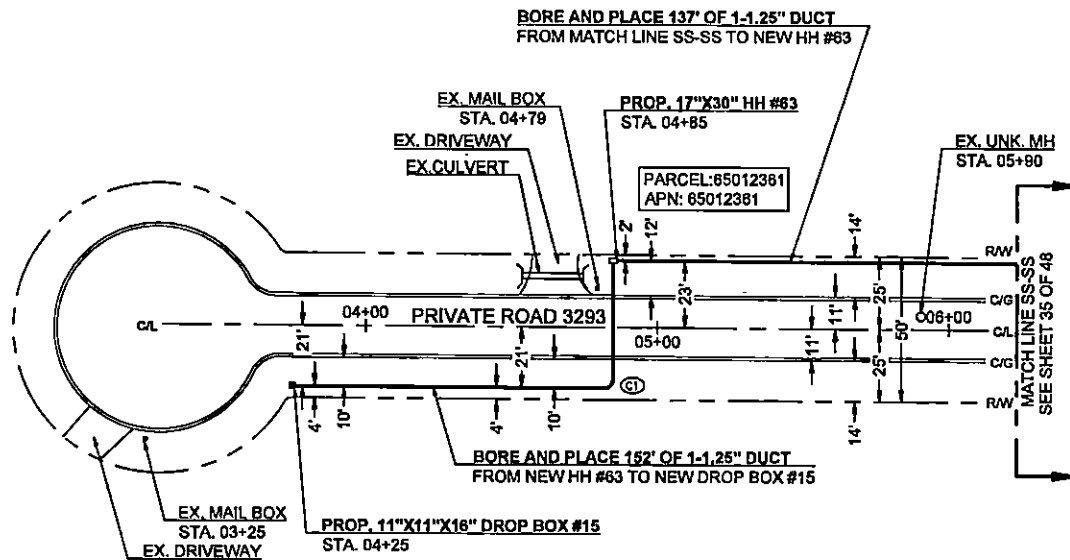
EST. #:

SHEET #:

350F 48

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, LLC  
SUNBELT BANK BLDG 200 W. 11TH ST  
SAN ANTONIO, TX 78205

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |



SCALE: 1"=40'



Know what's below.  
Call before you dig.

**Frontier COMMUNICATIONS**

JOB ID: 6291449      DATE: 07/19/2022

TITLE: FDH- 9889 FM 2685

STREET ADDRESS: 9889 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (872) 578-3224

---

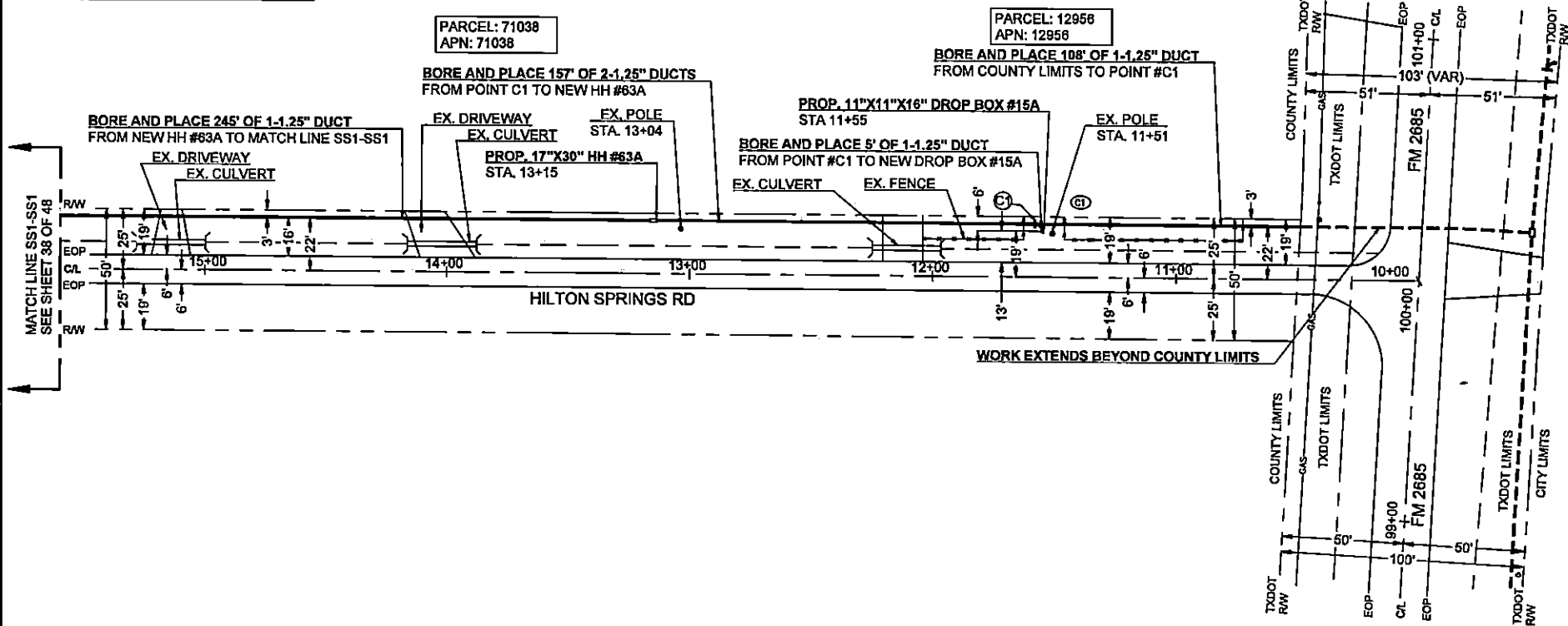
CHC CONSULTING      DRAWN BY: CHC CONSULTING

EST. #:

SHEET #:

**36 OF 48**

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |



Know what's below.  
Call before you dig.

# Frontier COMMUNICATIONS

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDH- 9889 FM 2685

STREET ADDRESS: 9889 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

CHC CONSULTING ENGINEERED BY: CHC CONSULTING

EST. #:

SHEET#: 37 OF 48



SCALE: 1"=40'



PARCEL: 12958  
APN: 12958

BORE AND PLACE 100' OF 1-1.25" DUCT  
FROM MATCH LINE SS1-SS1 TO NEW HH #84A

PROP. 17"X30" HH #84A  
STA. 16+80

PARCEL: 12957  
APN: 12957

BORE AND PLACE 173' OF 1-1.25" DUCT  
FROM NEW HH #84 TO MATCH LINE TT-TT

PROP. 17"X30" HH #84  
STA. 20+70

BORE AND PLACE 315' OF 1-1.25" DUCT  
FROM NEW HH #84A TO NEW HH #84

EX. TREE LINE

EX. STREET SIGN  
STA. 17+71

EX. POLE  
STA. 16+85

EX. DRIVEWAY

EX. DRIVEWAY

EX. CULVERT

EX. TREE  
STA 16+84

EX. CULVERT

EX. MAILBOX  
STA. 15+85

MATCH LINE TT-TT  
SEE SHEET 39 OF 48

MATCH LINE SS1-SS1  
SEE SHEET 37 OF 48

HILTON SPRING RD

EX. CULVERT



Know what's below.  
Call before you dig.

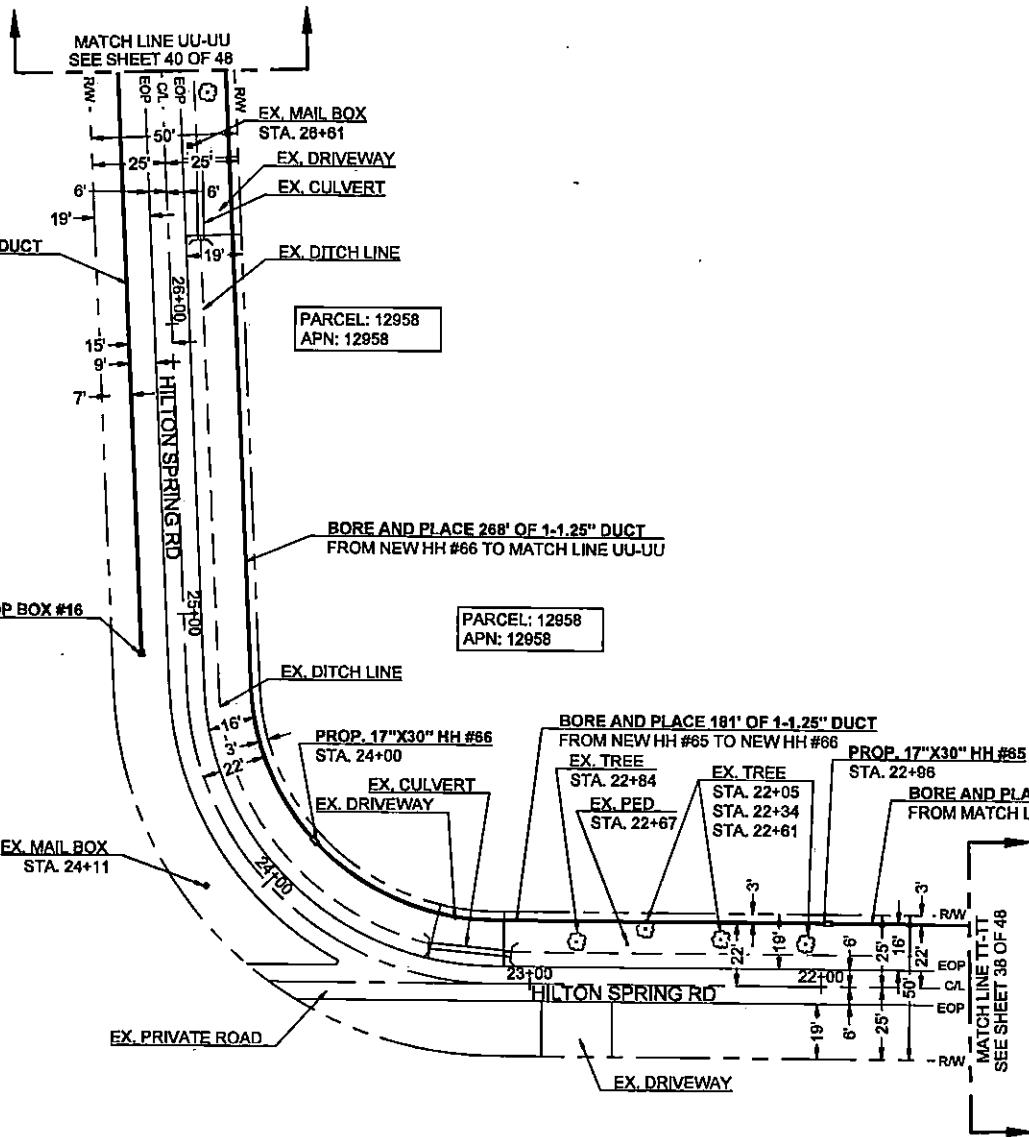


SCALE: 1"=40'

# Frontier COMMUNICATIONS

JOB ID: 6291449      DATE: 07/19/2022  
TITLE: FDH- 9889 FM 2685  
STREET ADDRESS: 9889 FM 2885  
CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)  
FTR ENGINEER: CORY RIGGS (310) 210-9882  
FTR INSPECTOR: JAMES WEST (972) 578-3224

CHC CONSULTING  
ENGINEERED BY: CHC CONSULTING  
EST. #:  
SHEET #:  
38 OF 48



BORE AND PLACE 200' OF 1-1.25" DUCT FROM MATCH LINE UU-UU TO NEW DROP BOX #16

PARCEL: 12958  
APN: 12958

BORE AND PLACE 288' OF 1-1.25" DUCT FROM NEW HH #66 TO MATCH LINE UU-UU

PARCEL: 12958  
APN: 12958

BORE AND PLACE 181' OF 1-1.25" DUCT FROM NEW HH #65 TO NEW HH #66

PROP. 17"x30" HH #85 STA. 22+86

BORE AND PLACE 48' OF 1-1.25" DUCT FROM MATCH LINE TT-TT TO NEW HH #65



Know what's below.  
Call before you dig.



SCALE: 1"=40'

|   |  |
|---|--|
| <b>Frontier COMMUNICATIONS</b>  |  |
| JOB ID: 5291449   | DATE: 07/19/2022                           |
| TITLE: PDH- 9989 FM 2685  |  |
| STREET ADDRESS: 9989 FM 2685  |  |
| CITY/STATE: GILMER, TX 75844 (UPSHUR COUNTY)  |  |
| PTR ENGINEER: CORY RIGGS (310) 210-9882   |  |
| PTR INSPECTOR: JAMES WEST (972) 578-3224  |  |
| CHC CONSULTING<br><small>CHC CONSULTING, LLC<br/>         8000 PINE BARK DR. SUITE 400<br/>         SAN DIEGO, CA 92128</small> | DRAWN BY:<br>CHC CONSULTING<br>EST. #:<br> |
|   | SHEET#: 39 OF 48                           |



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 6291449      DATE: 07/19/2022

TITLE: FDH- 9889 FM 2685

STREET ADDRESS: 9889 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

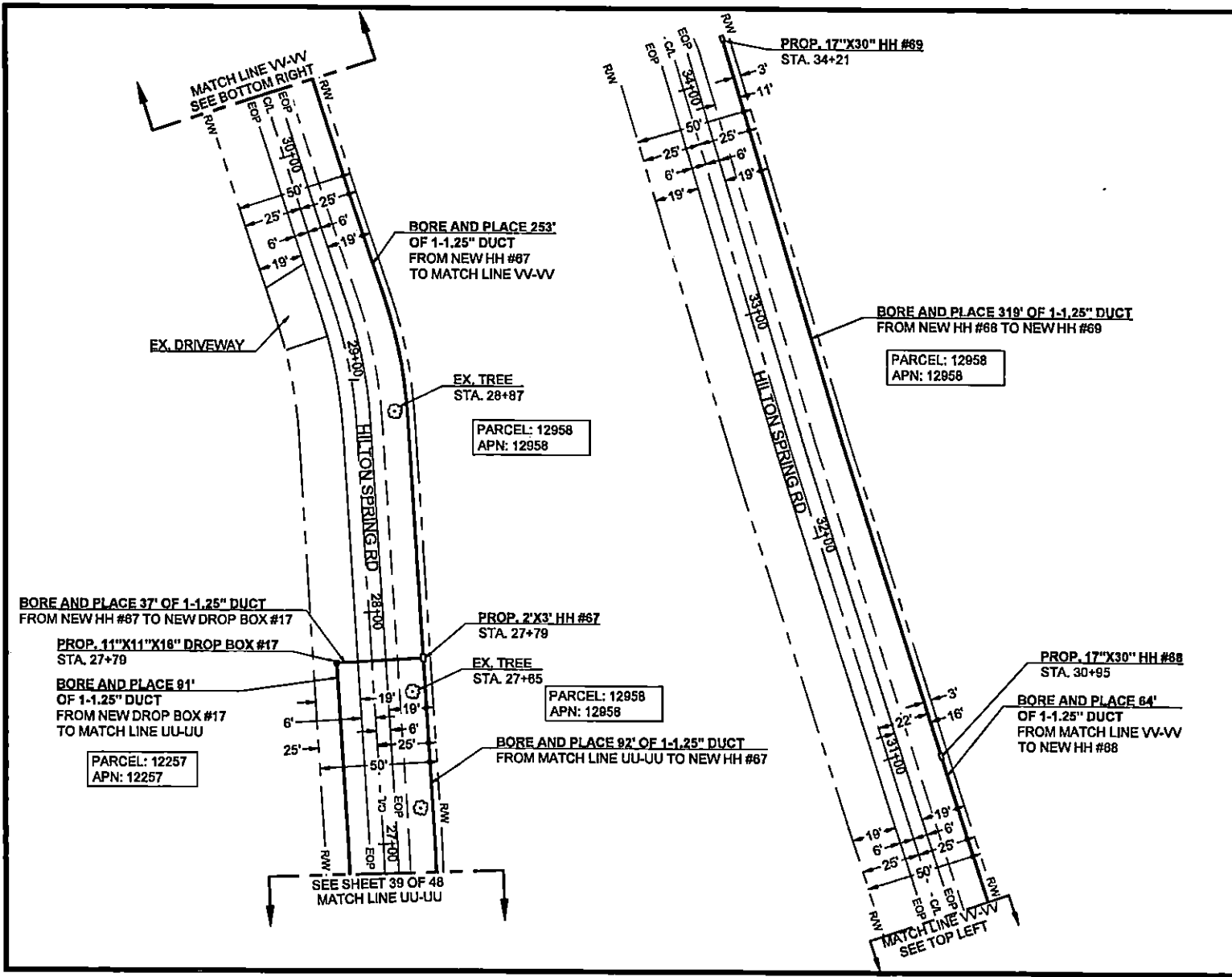
FTR. ENGINEER: CORY RIGGS (310) 210-9882

FTR. INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

EST. #:      SHEET#: 40 OF 48

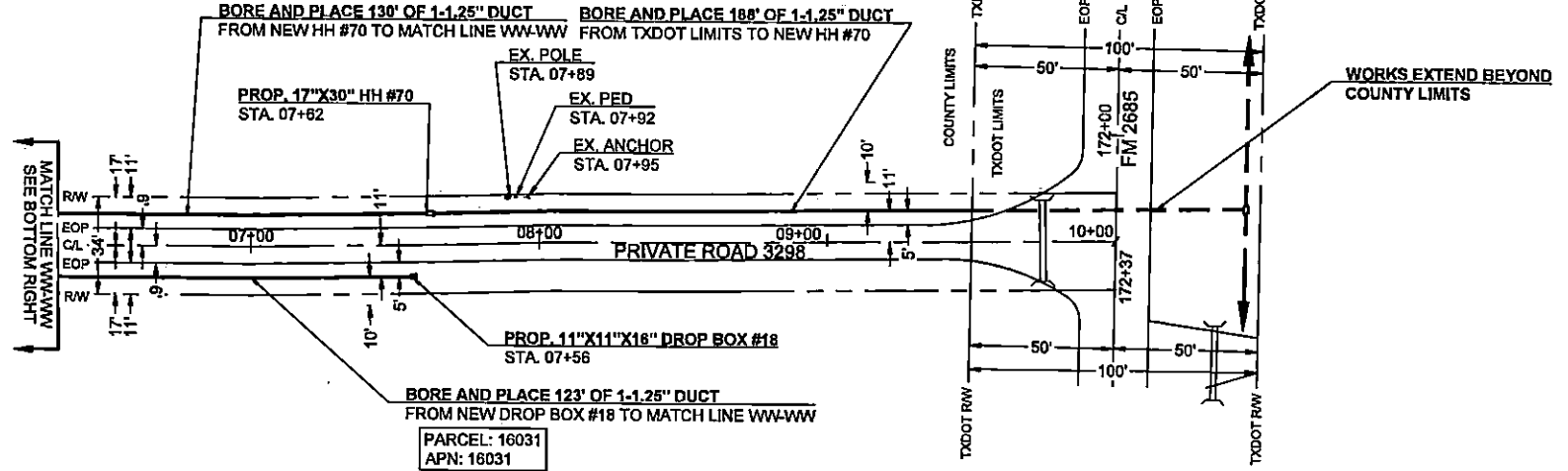
CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, LLC  
2000 PEBBLE BEACH DRIVE, SUITE 400  
SAN DIEGO, CA 92108





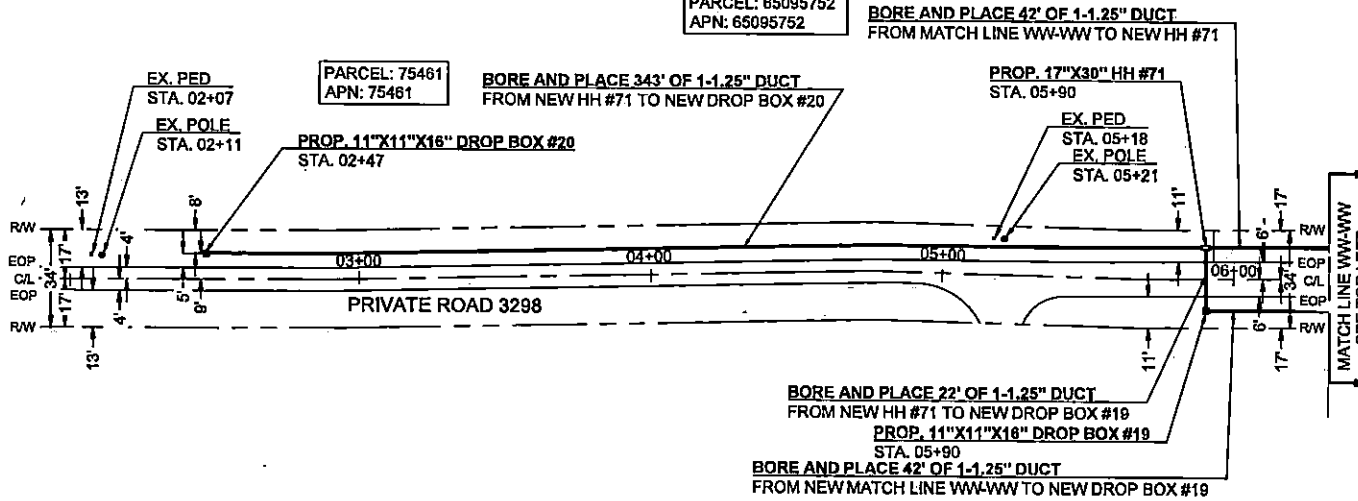
Know what's below.  
Call before you dig.

PARCEL: 75460  
APN: 75460



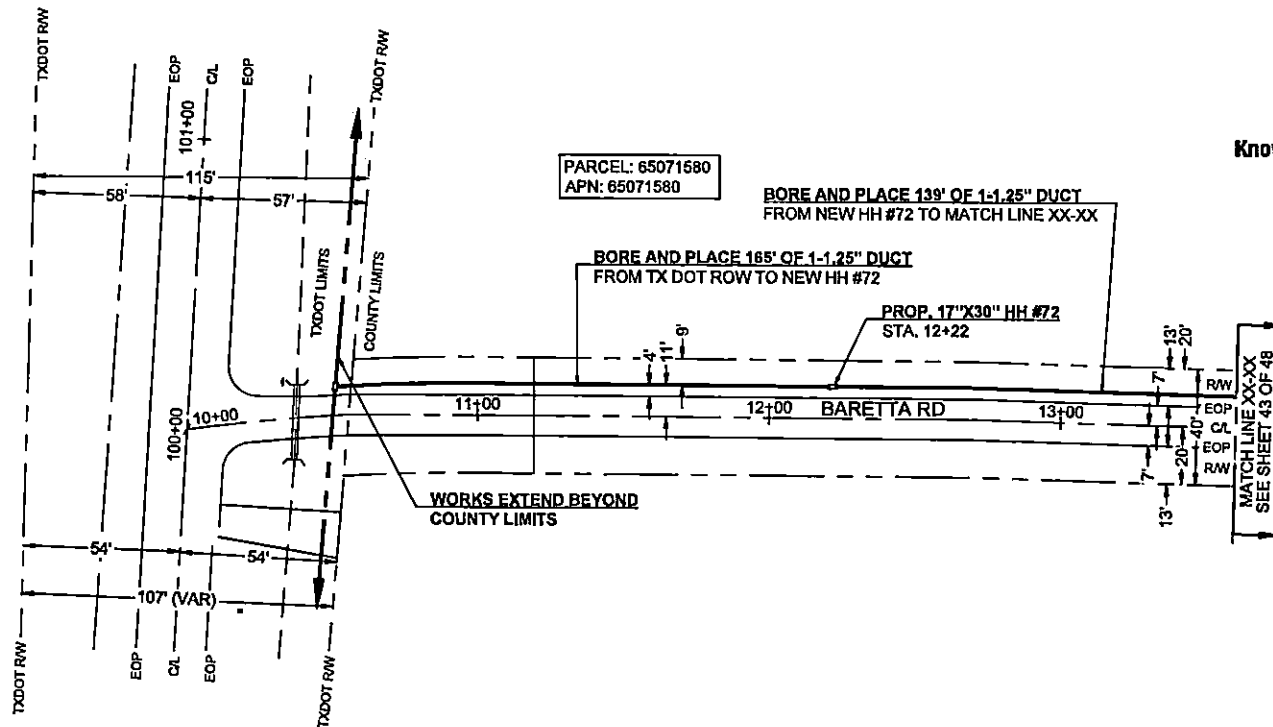
PARCEL: 16031  
APN: 16031

PARCEL: 65095752  
APN: 65095752



SCALE: 1"=40'

|  |                  |
|--|------------------|
| <b>Frontier COMMUNICATIONS</b>               |                  |
| JOB ID: 6291449                              | DATE: 07/19/2022 |
| TITLE: FDI- 9689 FM 2685                     |                  |
| STREET ADDRESS: 9689 FM 2685                 |                  |
| CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY) |                  |
| FTR ENGINEER: CORY RIGGS (310) 210-8882      |                  |
| FTR INSPECTOR: JAMES WEST (972) 578-3224     |                  |
| DRAWN BY: CHC CONSULTING                     |                  |
| EST. #:                                      | SHEET#:          |
|  | 41 OF 48         |



Know what's below.  
Call before you dig.

PARCEL: 65071580  
APN: 65071580

BORE AND PLACE 139' OF 1-1.25" DUCT  
FROM NEW HH #72 TO MATCH LINE XX-XX

BORE AND PLACE 185' OF 1-1.25" DUCT  
FROM TX DOT ROW TO NEW HH #72

PROP. 17"X30" HH #72  
STA. 12+22

WORKS EXTEND BEYOND  
COUNTY LIMITS

MATCH LINE XX-XX  
SEE SHEET 43 OF 48

SCALE: 1"=40'



**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDH- 0989 FM 2685

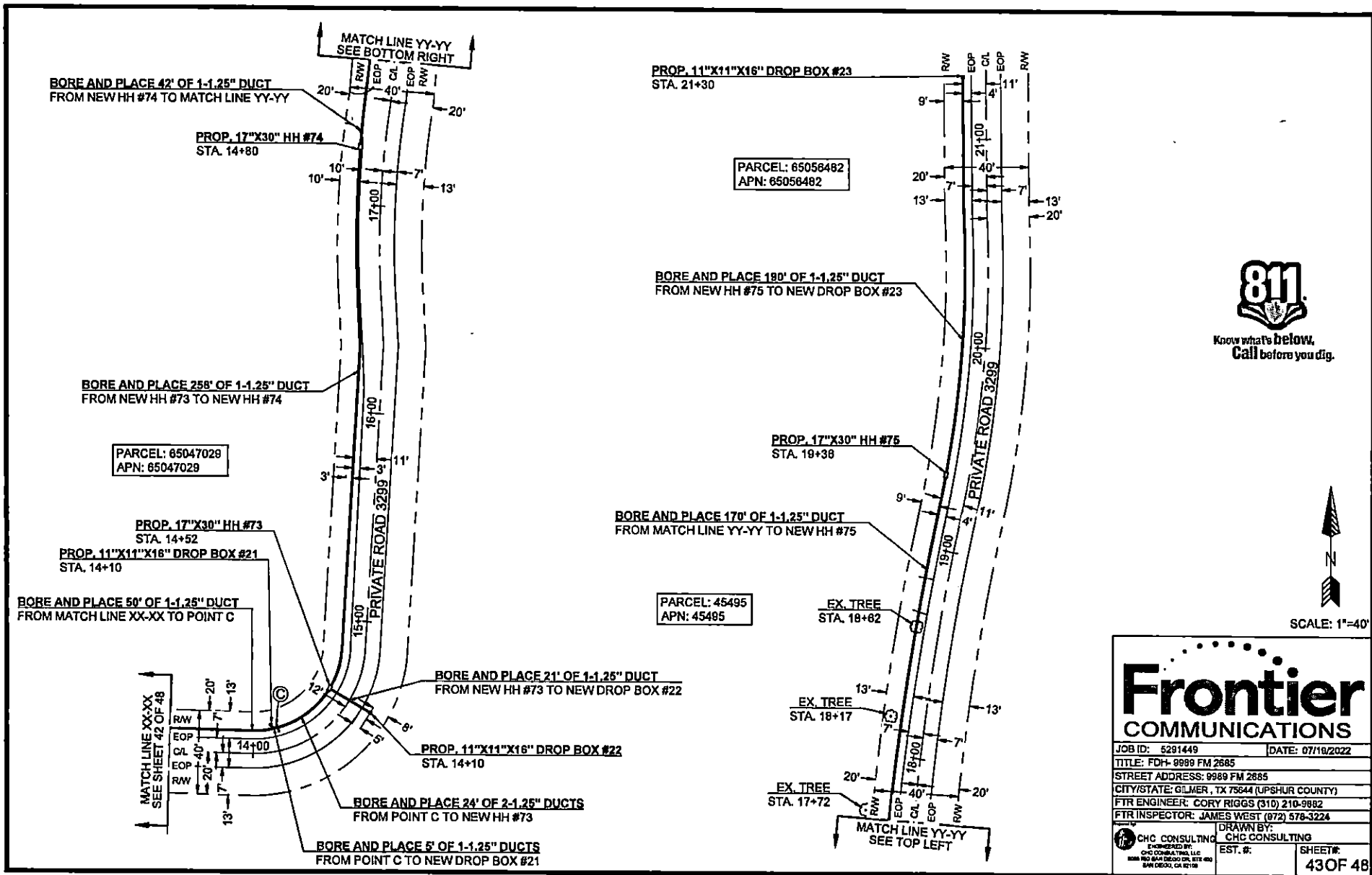
STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 678-3224

|  |                             |                     |
|--|-----------------------------|---------------------|
| CHC CONSULTING<br><small>ENGINEERED BY:</small><br>CHC CONSULTING LLC<br><small>2040 W. SAN DIEGO ST. STE 400<br/>         SAN DIEGO, CA 92108</small> | DRAWN BY:<br>CHC CONSULTING | SHEET#:<br>42 OF 48 |
|  | EST. #:                     |                     |



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDI- 9989 FM 2685

STREET ADDRESS: 9989 FM 2885

CITY/STATE: GILMER, TX 75644 (LIPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

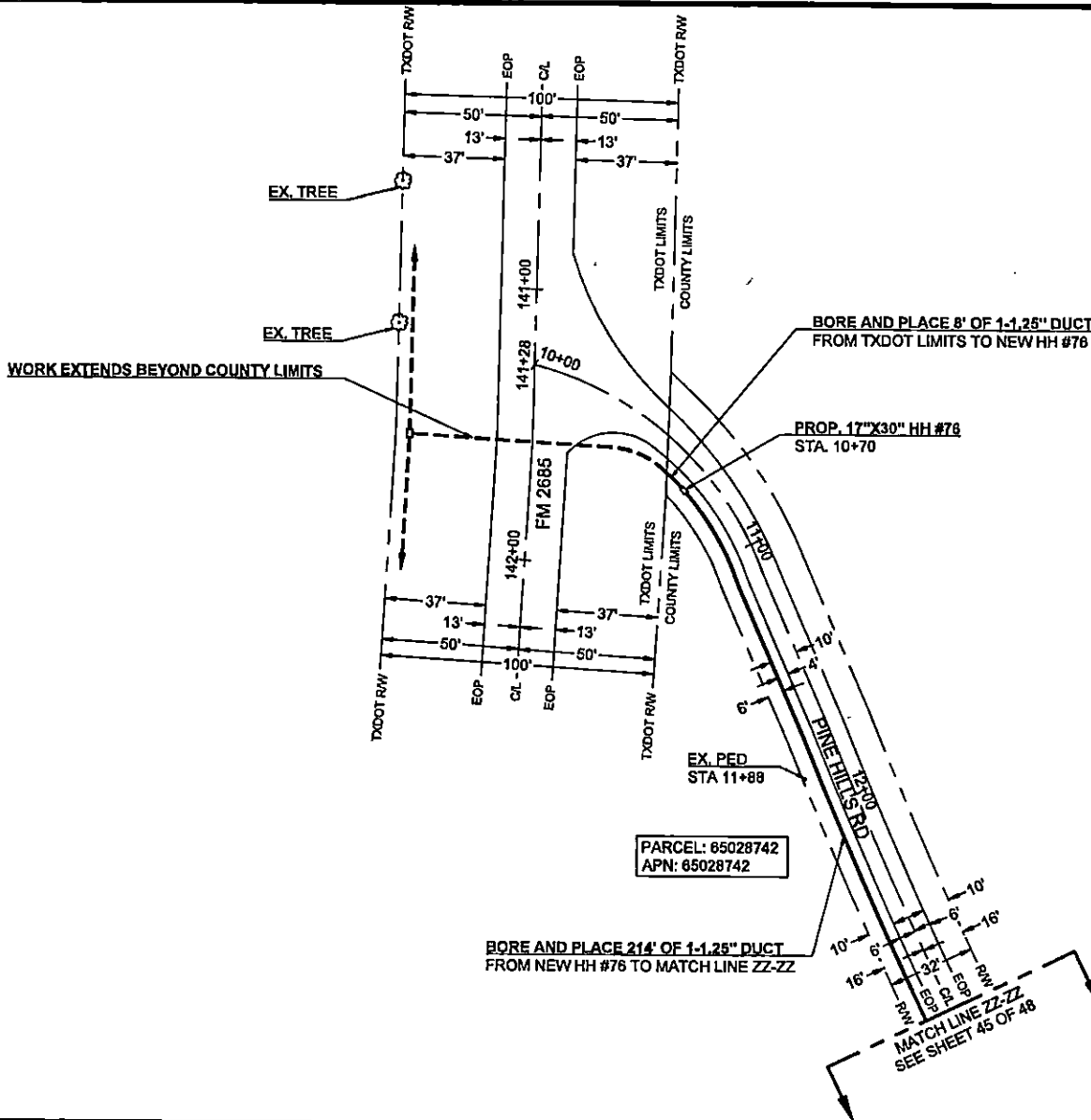
DRAWN BY: CHC CONSULTING

EST. #:      SHEET#: 43 OF 48

CHC CONSULTING  
1402220207  
CHC CONSULTING, LLC  
8000 W. SAN DIEGO ST., STE. 400  
SAN DIEGO, CA 92108



Know what's below.  
Call before you dig.

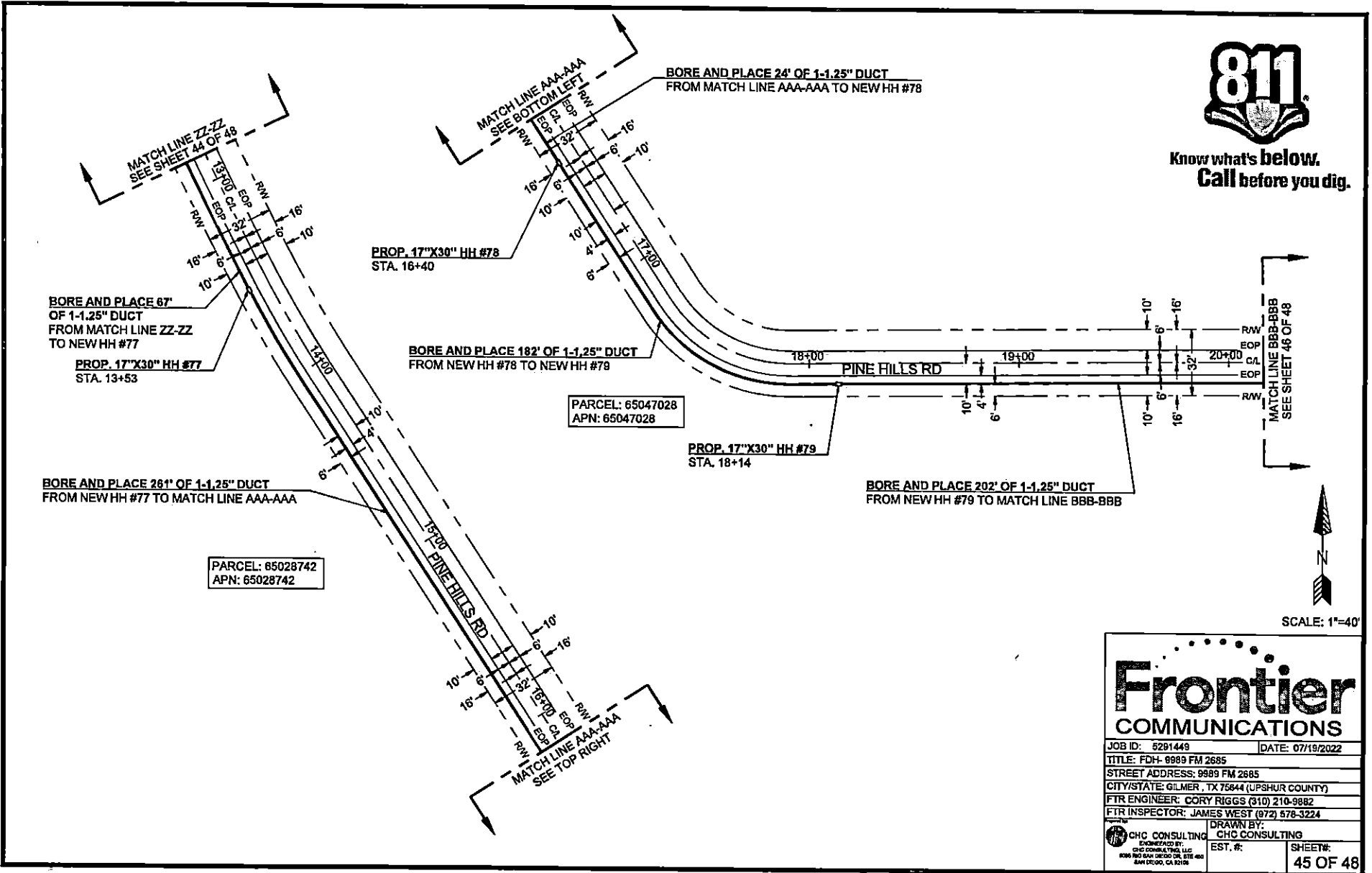


SCALE: 1"=40'

|   |                  |
|---|------------------|
| <h1>Frontier</h1> <p>COMMUNICATIONS</p>   |                  |
| JOB ID: 5291449   | DATE: 07/19/2022 |
| TITLE: FDI- 9989 FM 2685  |                  |
| STREET ADDRESS: 9989 FM 2685  |                  |
| CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)  |                  |
| FTR ENGINEER: CORY RIGGS (310) 210-9882   |                  |
| FTR INSPECTOR: JAMES WEST (972) 578-3224  |                  |
| DRAWN BY: CHC CONSULTING  |                  |
| CHC CONSULTING<br>ENGINEERED BY:<br>CHC CONSULTING, LLC<br>10080 SAN MANUEL DRIVE, SUITE 400<br>SAN DIEGO, CA 92121 | EST. #:          |
| SHEET#:<br><b>44 OF 48</b>  |                  |



Know what's below.  
Call before you dig.



PARCEL: 65047028  
APN: 65047028

PARCEL: 65028742  
APN: 65028742



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5281449      DATE: 07/19/2022

TITLE: FDH- 9989 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (872) 578-3224

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ENGINEERED BY: CHC CONSULTING  
CHC CONSULTING, INC. LLC  
 8080 MID BAY DR. SUITE 400  
 SAN DIEGO, CA 92108

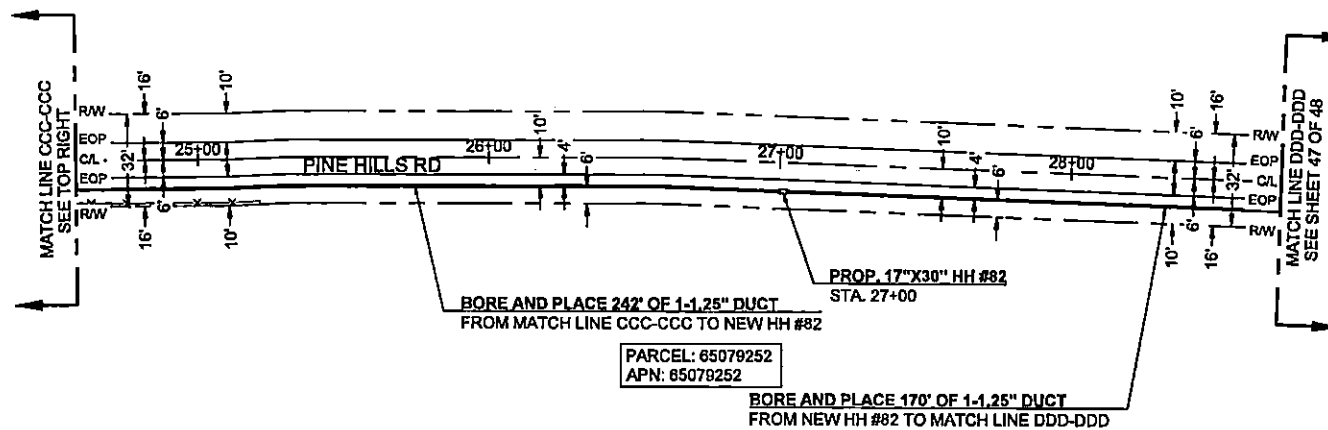
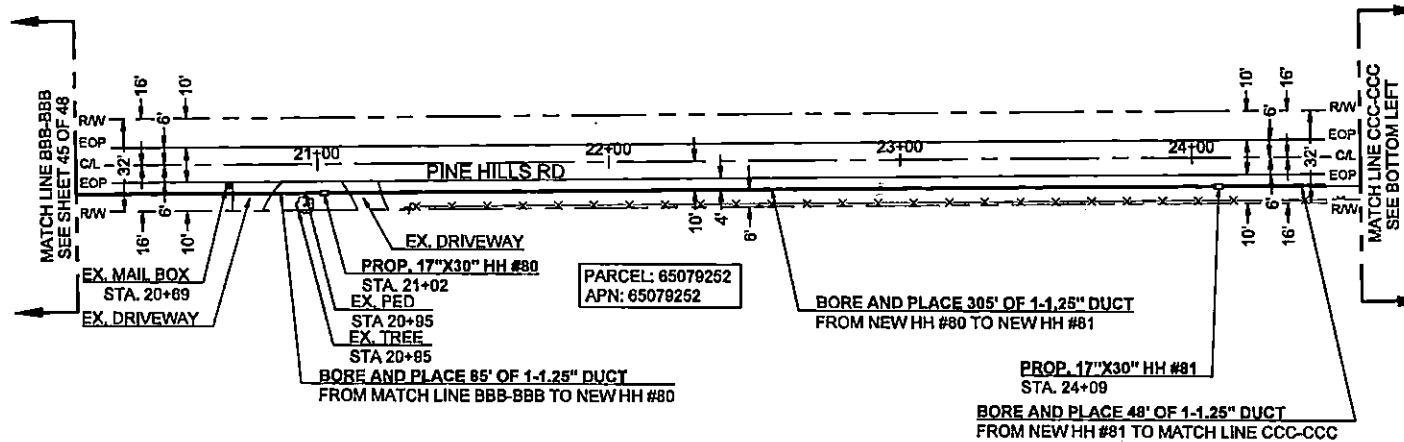
DRAWN BY: CHC CONSULTING  
EST. #:

SHEET#: 45 OF 48





Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5281449      DATE: 07/10/2022

TITLE: FDH- 0988 FM 2685

STREET ADDRESS: 0988 FM 2685

CITY/STATE: GILMER, TX 76644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-8882

FTR INSPECTOR: JAMES WEST (972) 578-3224

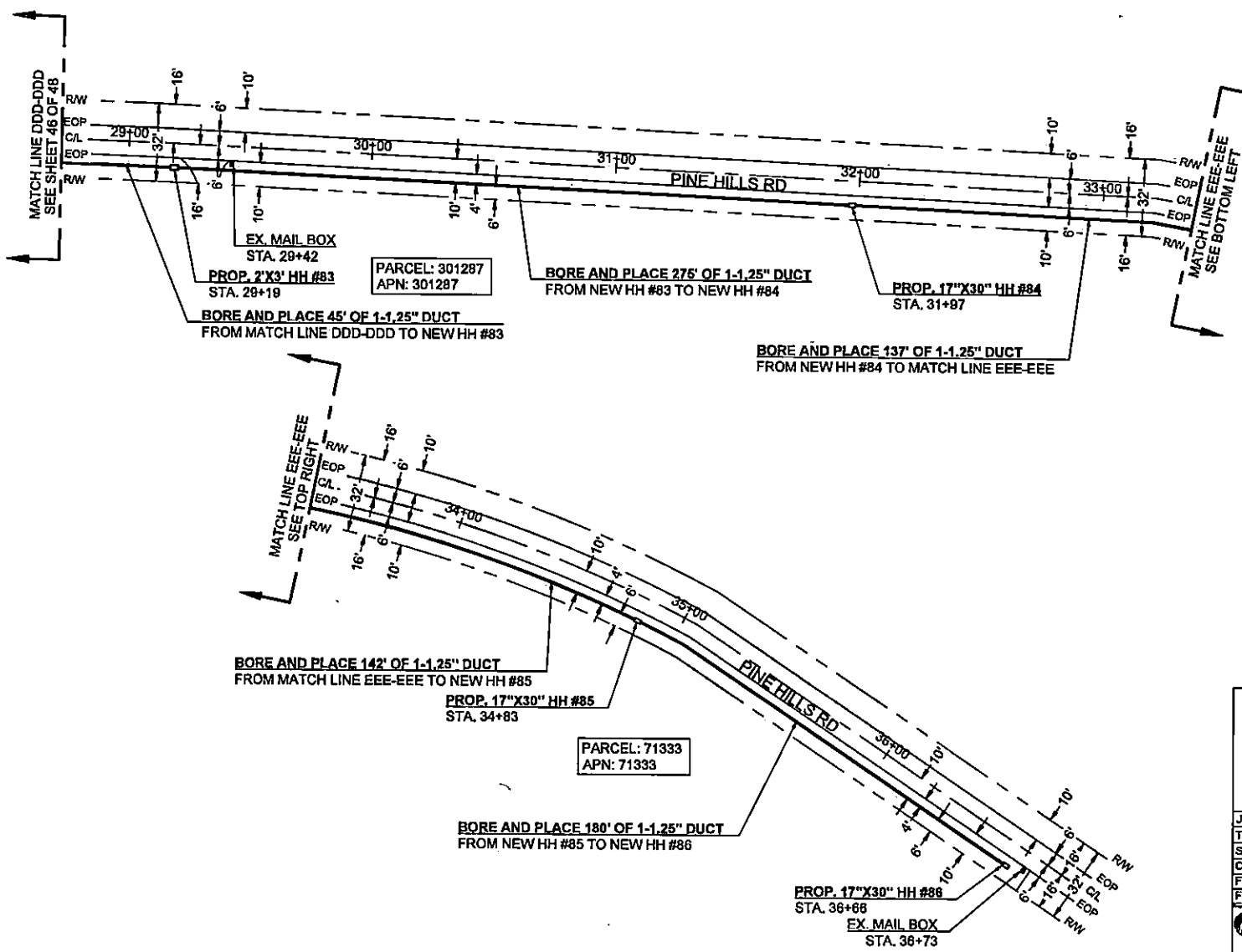
DRAWN BY: CHC CONSULTING

EST. #:      SHEET#: 46 OF 48

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, LLC  
8080 NW 34th Street, Ste 400  
San Diego, CA 92108



Know what's below.  
Call before you dig.



MATCH LINE EEE-EEE  
SEE TOP RIGHT

MATCH LINE EEE-EEE  
SEE BOTTOM LEFT



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5281449      DATE: 07/19/2022

TITLE: FDI- 0989 FM 2885

STREET ADDRESS: 9989 FM 2885

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9982

FTR INSPECTOR: JAMES WEST (972) 678-3224

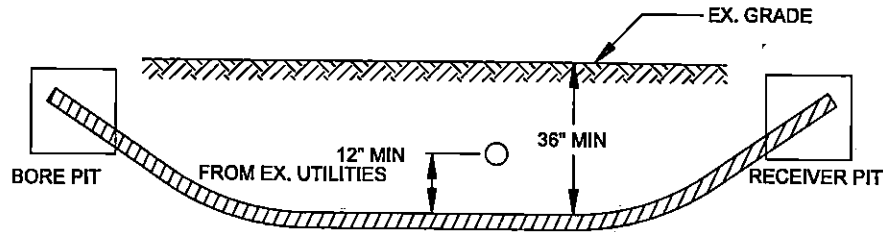
CHC CONSULTING ENGINEERS  
1000 TWO BAY DRIVE, STE 400  
SAN DIEGO, CA 92109

DRAWN BY: CHC CONSULTING

EST. #:

SHEET#: 47 OF 48

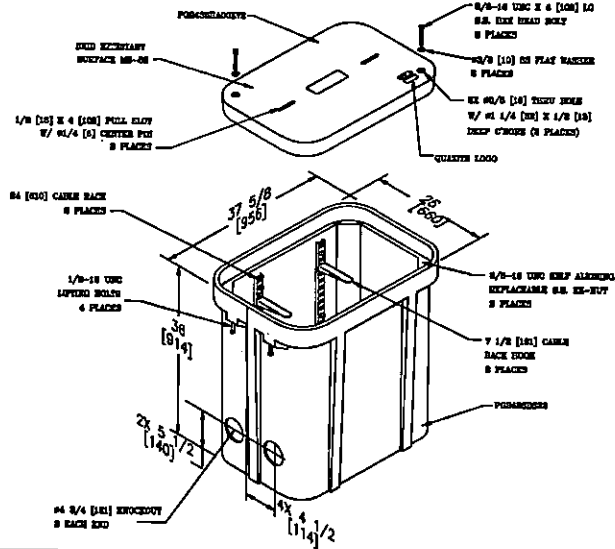
**MINIMUM STANDARDS FOR DIRECTIONAL BORING**



- 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



SCALE  
N.T.S. 2

**Frontier COMMUNICATIONS**

JOB ID: 5291449      DATE: 07/19/2022

TITLE: FDR- 9989 FM 2685

STREET ADDRESS: 9989 FM 2685

CITY/STATE: GILMER, TX 75644 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (872) 578-3224

DRAWN BY: CHC CONSULTING

CHC CONSULTING  
 ENGINEERED BY:  
 CHC CONSULTING LLC  
 8080 RIO SAN DIEGO DR. STE. 400  
 SAN DIEGO, CA 92128

EST. #      SHEET: 48 OF 48

APPROVAL

TO: Etex Telephone Coop., Inc  
P.O. Box 130  
Gilmer Texas 75644

DATE 7/25/2022

The Upshur County Commissioners Court offers no objections to the location on the right-of-way of your proposed New Fiber Optic line across Martin Ln, Green Hills and Stoney Ln, as shown by accompanying drawings and notice dated 7/25/2022, except as note N/A

It is expressly understood that the Upshur County Commissioners Court does not purport, hereby, to grant and right, claim, title, or easement in or upon this county road; and it is further understood that in the future should for any reason Upshur County need to work, improve, relocate, widen, increase add to or any manner change the structure of this right-of-way line, this line, if affected, will be moved under the direction of the Upshur County Engineer and shall be relocated at the complete expense of the owner. Upshur County shall be notified a minimum of 48 hours prior to the beginning of any work.

All work on the county right-of-way shall be performed in accordance with the County Engineer's instructions. The installation shall not damage any part of the highway and adequate provisions must be made to cause minimum inconvenience to traffic and adjacent property owners. Special specifications for placing this line are as follows:

1. All ground lines are to be installed a minimum of 36 inches below the flowline of the adjacent drainage or borrow ditch.
2. All excavations within the right-of-way and not under surfacing shall be backfilled by tamping in 6 inch horizontal layers. All surplus material shall be removed from the right-of-way and the excavation finished flush with surrounding natural ground.
3. Lines crossing under surfaced roads and under surfaced cross roads within the right-of-way shall be placed by boring. Boring shall extend from crown line to crown line.
4. All lines under roads carrying pressure in excess of 50 psi shall be enclosed in satisfactory casing extending from right-of-way line to right-of-way line. Pipe used for casing may be of any type approved by the County Engineer and shall be capable of Supporting the load of roadbed and traffic and shall be so constructed that there will be no leakage of any matter through the casing for its entire length. Inside diameter of casing shall be at least 2 inches greater than the largest outside diameter of carrier pipe, joint or couplings. (Encasement is not required on lines installed 48 inches or greater below flowline.)
5. All lines, where practicable, shall be located to cross roadbed at approximately right angles thereto. No lines are to be installed under or within 50 feet of either end of a bridge unless approved by the County Engineer in writing. No lines shall be placed inside any culvert or within 10 feet of the closest point of same.
6. Parallel lines will be installed as near the right-of-way lines as is possible and no parallel line will be installed in the roadbed or between the drainage ditch and roadbed unless approved by the County Engineer in writing.
7. Overhead lines will have a minimum clearance of 18 feet above the road surface at point of crossing.
8. Operations along roadways shall be performed in such a manner that all excavated material be kept off the pavements at all times, as well as all operating equipment and materials. Do not use equipment or installation procedures which will damage any road surface or structure. The cost of any repairs to road surfaces, roadbed, structures or other right-of-way features as direct result of this installation will be borne by the owner of this line.
9. Barricades, warning signs, lights and flagmen, when necessary, shall be provided by the contractor or owner. One half of the traveled portion of the road must be open to traffic at all times. All traffic control shall be in accordance with the requirements of the current version of the Texas MUTCD.
10. Utility company shall install adequate erosion control measures for any excavation work being performed.

APPROVED: \_\_\_\_\_

  
County Engineer

APPROVED: \_\_\_\_\_

Chairperson, Upshur County Commissioners Court

NOTICE OF PROPOSED INSTALLATION

Revised 11/30/10

NOTICE OF PROPOSED INSTALLATION  
PIPE AND/OR UTILITY LINES

DATE: 7/25/2022

TO: UPSHUR COUNTY COMMISSIONERS COURT  
c/o UPSHUR COUNTY ENGINEER  
UPSHUR COUNTY ROAD & BRIDGE DEPARTMENT  
P. O. BOX 730  
Gilmer, TX 75644

EXPIRES: 10/25/2022

Formal notice is hereby given that Etex Telephone Coop., Inc. proposes to bore a New Fiber Optic line within the right-of-way of County Roads Martin Ln, Green Hills and Stoney Ln. as follows: All construction will be Directional Bored in at a min Depth of 48" on both sides of said roads and on the up side of ditch line with in the county right of way. Installing two 1.25" Duct with a new Fiber Optic Cable.

The location and description of the proposed line and appurtenances is more fully shown by three copies of drawings attached to this notice. The line will be constructed and maintained on the County right-of-way as directed by the County Engineer in accordance with current Upshur County specifications.

Construction of this line will begin on or after the 25 day of July, 2022 and will be completed within 90 days of the date of approval.

Firm Etex Telephone Coop., Inc.  
By Martin Thompson  
Title Right of way solicitor  
Address P.O. Box 130 Gilmer Texas 75644

- NOTE:
1. This form to be submitted in triplicate for each proposed installation.
  2. The permit shall be in effect until the utility line is removed from the right of way.
  3. Inform the County Engineer if work is not completed within this time

APPROVAL

TO: Frontier Communications  
Att: Doris Robinson  
Permit Coordinator  
9095 Rio San Diego Drive  
San Diego, CA 92108

DATE 07/15/22

The Upshur County Commissioners Court offers no objections to the location on the right-of-way of your proposed project to bore, place conduit, hand holes, drop boxes and FDH as well as aerial placement at 1619 E. Lake Drive, Willow Oak Road, Pine Ridge Road and Cannon Street as shown by accompanying drawings and notice dated 04/28/22, except as noted below:

It is expressly understood that the Upshur County Commissioners Court does not purport, hereby, to grant and right, claim, title, or easement in or upon this county road; and it is further understood that in the future should for any reason Upshur County need to work, improve, relocate, widen, increase add to or any manner change the structure of this right-of-way line, this line, if affected, will be moved under the direction of the Upshur County Engineer and shall be relocated at the complete expense of the owner. Upshur County shall be notified a minimum of 48 hours prior to the beginning of any work.

All work on the county right-of-way shall be performed in accordance with the County Engineer's instructions. The installation shall not damage any part of the highway and adequate provisions must be made to cause minimum inconvenience to traffic and adjacent property owners. Special specifications for placing this line are as follows:

1. All ground lines are to be installed a minimum of 36 inches below the flowline of the adjacent drainage or borrow ditch.
2. All excavations within the right-of-way and not under surfacing shall be backfilled by tamping in 6 inch horizontal layers. All surplus material shall be removed from the right-of-way and the excavation finished flush with surrounding natural ground.
3. Lines crossing under surfaced roads and under surfaced cross roads within the right-of-way shall be placed by boring. Boring shall extend from crown line to crown line.
4. All lines under roads carrying pressure in excess of 50 psi shall be enclosed in satisfactory casing extending from right-of-way line to right-of-way line. Pipe used for casing may be of any type approved by the County Engineer and shall be capable of Supporting the load of roadbed and traffic and shall be so constructed that there will be no leakage of any matter through the casing for its entire length. Inside diameter of casing shall be at least 2 inches greater than the largest outside diameter of carrier pipe, joint or couplings. (Encasement is not required on lines installed 48 inches or greater below flowline.)
5. All lines, where practicable, shall be located to cross roadbed at approximately right angles thereto. No lines are to be installed under or within 50 feet of either end of a bridge unless approved by the County Engineer in writing. No lines shall be placed inside any culvert or within 10 feet of the closest point of same.
6. Parallel lines will be installed as near the right-of-way lines as is possible and no parallel line will be installed in the roadbed or between the drainage ditch and roadbed unless approved by the County Engineer in writing.
7. Overhead lines will have a minimum clearance of 18 feet above the road surface at point of crossing.
8. Operations along roadways shall be performed in such a manner that all excavated material be kept off the pavements at all times, as well as all operating equipment and materials. Do not use equipment or installation procedures which will damage any road surface or structure. The cost of any repairs to road surfaces, roadbed, structures or other right-of-way features as direct result of this installation will be borne by the owner of this line.
9. Barricades, warning signs, lights and flagmen, when necessary, shall be provided by the contractor or owner. One half of the traveled portion of the road must be open to traffic at all times. All traffic control shall be in accordance with the requirements of the current version of the Texas MUTCD.
10. Utility company shall install adequate erosion control measures for any excavation work being performed.

APPROVED:   
Road Administrator

APPROVED: \_\_\_\_\_  
Chairperson, Upshur County Commissioners Court

NOTICE OF PROPOSED INSTALLATION  
PIPE AND/OR UTILITY LINES

TO: UPSHUR COUNTY COMMISSIONERS COURT  
c/o UPSHUR COUNTY ENGINEER  
UPSHUR COUNTY ROAD & BRIDGE DEPARTMENT  
P. O. BOX 730  
Gilmer, TX 75644

DATE:  
EXPIRES: \_\_\_\_\_

Formal notice is hereby given that \_\_\_\_\_ proposes to bore a \_\_\_\_\_ line within the right-of-way of County Road \_\_\_\_\_ as follows:

1st package: Bore 12580' OF (1)-1.25" DUCT, 238' OF (2)-1.25" DUCTS, 12' OF (3)-1.25" DUCTS, 5' OF (1)-4" DUCT, (1) NEW PAD MOUNT FDH 288, (1) NEW 20"X40"X6" CONCRETE PAD, (1) NEW 3'X3' HH, (19) NEW 11"X11"X16" DROP BOX, (24) NEW 17"X30" HH, 20) NEW 2'X3' HH, AS WELL AS AERIAL PLACEMENT ON EXISTING POLES.

2nd package: Bore 1954', 1954' OF (1)-1.25" DUCT, (1) NEW 11"X11"X16" DROP BOX, (7) NEW 17"X30" HH, (1) NEW 2'X3' HH.

\*\*\*5291557\*\*\*

The location and description of the proposed line and appurtenances is more fully shown by three copies of drawings attached to this notice. The line will be constructed and maintained on the County right-of-way as directed by the County Engineer in accordance with current Upshur County specifications.

Construction of this line will begin on or after the 1 day of Aug, 20 22 and will be completed within 90 days of the date of approval.

Firm Frontier Communications  
By Doris Robinson  
Title Permit Coordinator  
Address 9095 Rio San Diego Dr, San Diego CA 92108

- NOTE: 1. This form to be submitted in triplicate for each proposed installation.  
2. The permit shall be in effect until the utility line is removed from the right of way.  
3. Inform the County Engineer if work is not completed within this time.



**FRONTIER COMMUNICATION**

**CONSTRUCTION SPECIFICATIONS**

- Contact Frontier Engineer CORY RIGGS (310) 210-9882 sixty (60) days prior to need 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:  
UPSHUR COUNTY**

**PICK UP POINT:  
COUNTY LIMITS**

**PATH FOOTAGE:  
BORE = 1954'**

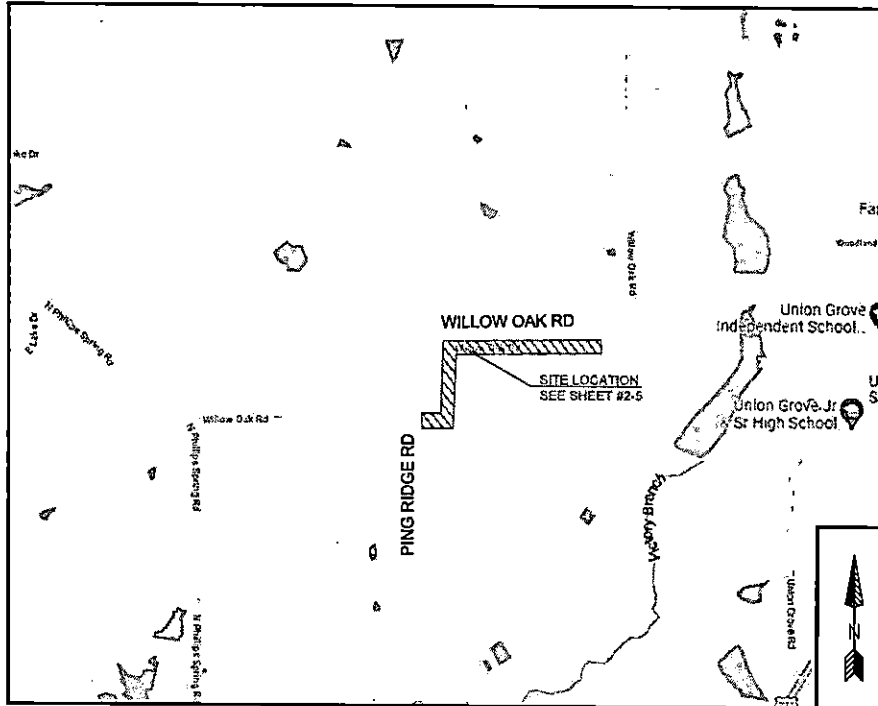
**MATERIALS:**  
(1) NEW 11"x11"x18" DROP BOX  
(7) NEW 17"x30" HH  
(1) NEW 2X3' HH  
1954' OF (1)-1.25" DUCT



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

**CONSTRUCTION PACKAGE**

**FDH- 1619 E LAKE DR  
WILLOW OAK RD & PINE RIDGE RD  
GLADEWATER, TX 75647**



**VICINITY MAP  
NTS**

**ABBREVIATIONS**

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

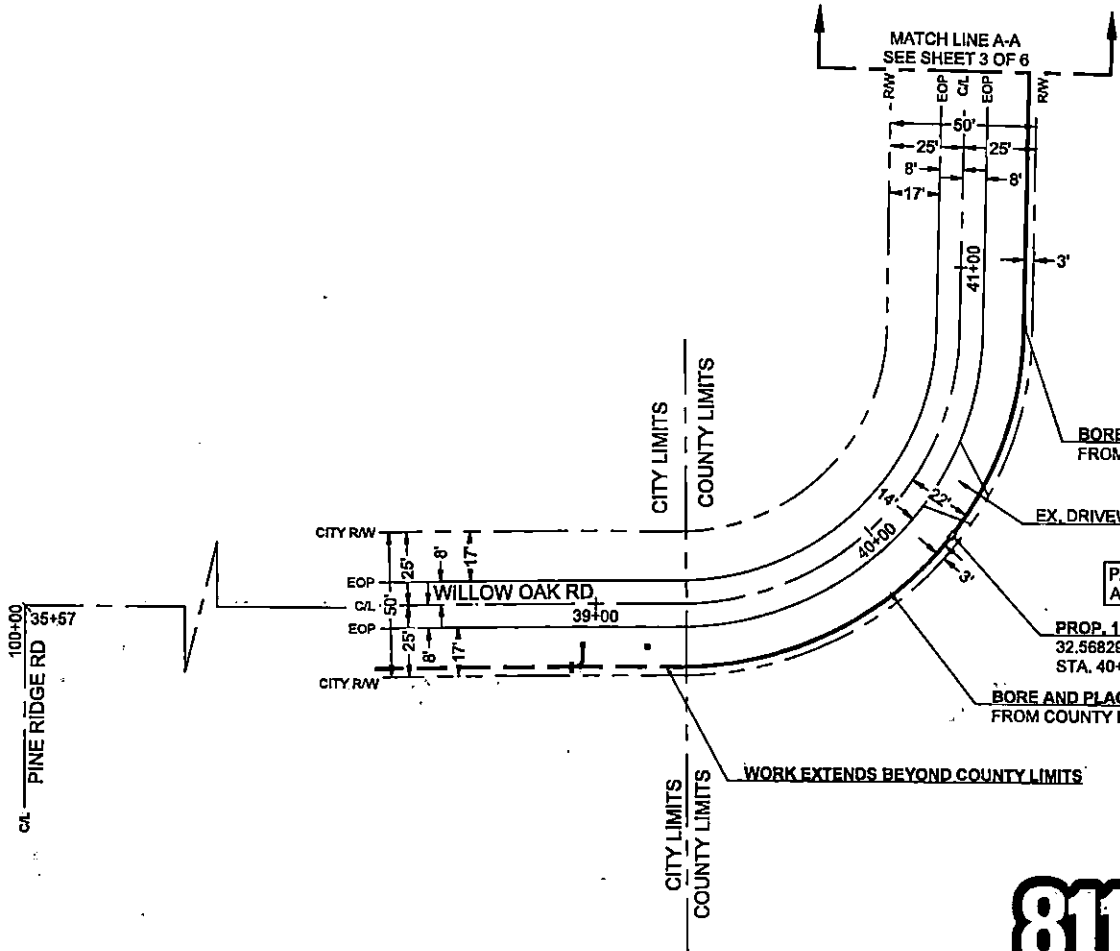
**LEGEND**

|  |                                     |
|--|-------------------------------------|
|  | New Trench                          |
|  | New Bore                            |
|  | Existing Gas                        |
|  | Existing Water                      |
|  | Existing Telephone                  |
|  | Existing Sewer                      |
|  | Existing Storm Drain                |
|  | Existing Electric                   |
|  | Existing Manhole                    |
|  | Existing Manhole (2'x3' or 17'x30') |
|  | DSLAM                               |
|  | X-CONNECT                           |
|  | POWER PEDESTAL                      |
|  | TELCO PEDESTAL                      |
|  | 3' X 6' PULL BOX                    |
|  | POLE                                |



|  |                  |
|--|------------------|
| JOB ID: 5291657                                  | DATE: 04/28/2022 |
| TITLE: FDH - 1619 E LAKE DR                      |                  |
| STREET ADDRESS: 1619 E LAKE DR                   |                  |
| CITY/STATE: GLADEWATER, TX 75647 (UPSHUR COUNTY) |                  |
| FTR ENGINEER: CORY RIGGS (310) 210-9882          |                  |
| FTR INSPECTOR: JAMES WEST (972) 578-3224         |                  |
| DRAWN BY: CHC CONSULTING                         |                  |
| EST. #:  | SHEET#:          |
|  | 1 OF 6           |

-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.



MATCH LINE A-A  
SEE SHEET 3 OF 6

BORE AND PLACE 164' OF 1-1.25" DUCT  
FROM NEW HH #1 TO MATCH LINE A-A

EX. DRIVEWAY

PARCEL: 74556  
APN: 74556

PROP. 17"X30" HH #1  
32.568293, -94.938945  
STA. 40+19

BORE AND PLACE 105' OF 1-1.25" DUCT  
FROM COUNTY LIMITS TO NEW HH #1

WORK EXTENDS BEYOND COUNTY LIMITS



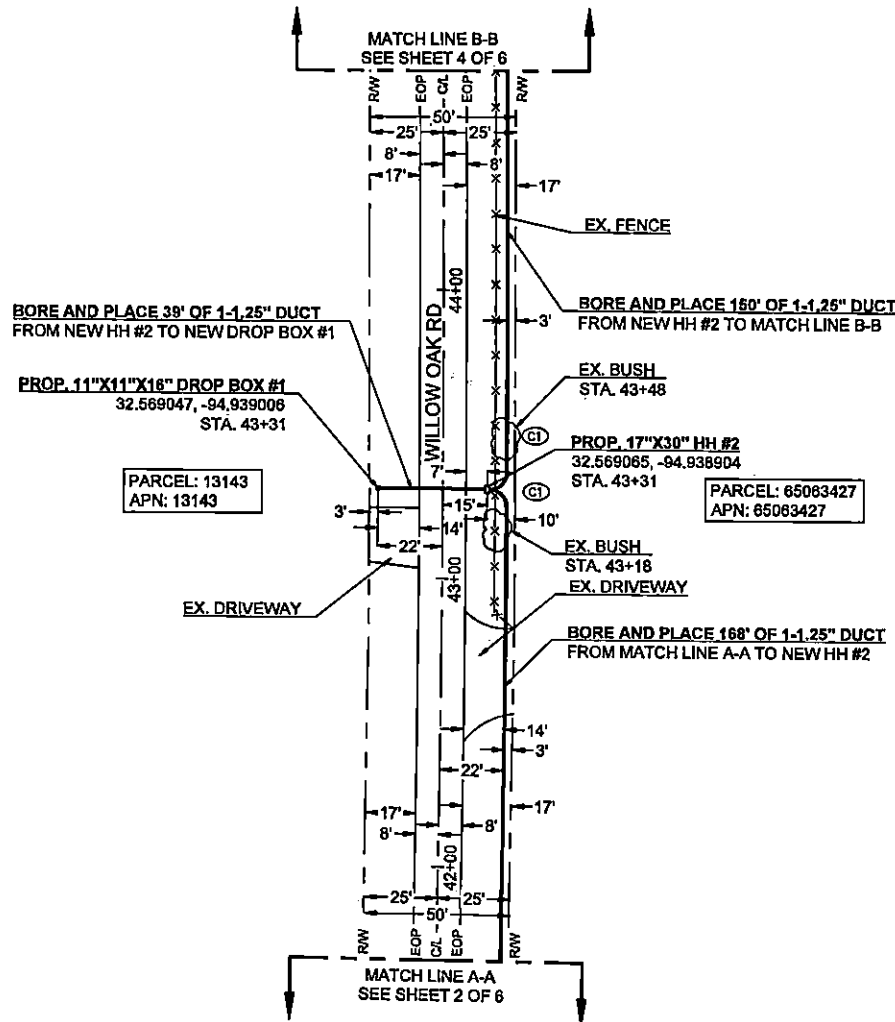
SCALE: 1"=40'



Know what's below.  
Call before you dig.

|  |   |
|--|---|
| <b>Frontier</b><br>COMMUNICATIONS  |   |
| JOB ID: 5291657  | DATE: 04/28/2022  |
| TITLE: FDH - 1819 E LAKE DR  |   |
| STREET ADDRESS: 1819 E LAKE DR   |   |
| CITY/STATE: GLADEWATER, TX 76647 (UPSHUR COUNTY)   |   |
| FTR ENGINEER: CORY RIGGS (310) 210-9882  |   |
| FTR INSPECTOR: JAMES WEST (972) 578-3224   |   |
| CHC CONSULTING<br><small>ENGINEERS &amp; ARCHITECTS<br/>         1500 W. SAN ANTONIO ST. STE. 200<br/>         SAN ANTONIO, TX 78207</small> | DRAWN BY:<br>CHC CONSULTING<br>EST. #: _____<br>SHEET#: |
|  | 2 OF 6  |

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 6'     | 9'     | 90°   |



SCALE: 1"=40'



Know what's below.  
Call before you dig.

## Frontier COMMUNICATIONS

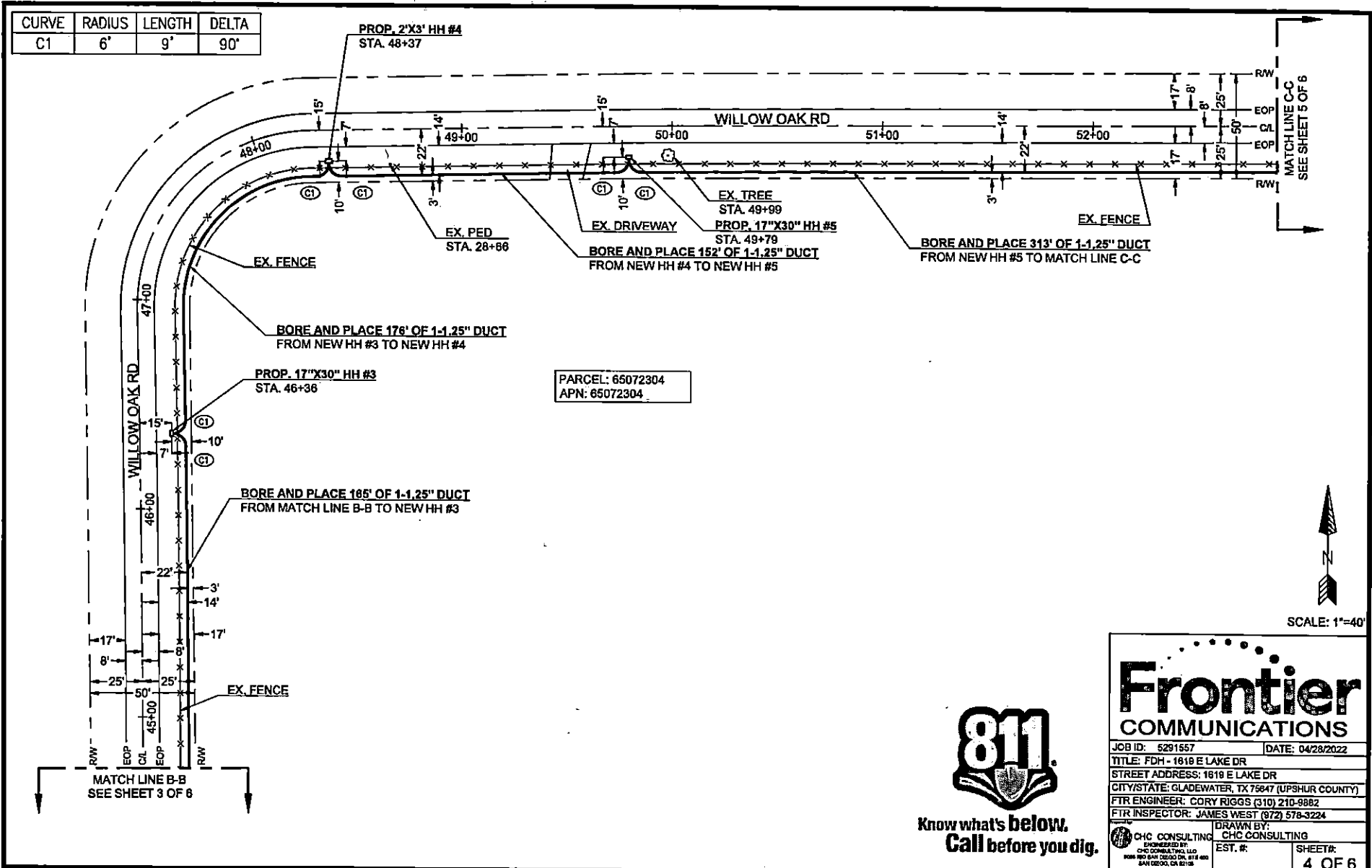
**JOB ID:** 5291657      **DATE:** 04/28/2022

**TITLE:** FDH - 1619 E LAKE DR  
**STREET ADDRESS:** 1619 E LAKE DR  
**CITY/STATE:** GLADEWATER, TX 76647 (UPSHUR COUNTY)  
**FTR ENGINEER:** CORY RIGGS (310) 210-9882  
**FTR INSPECTOR:** JAMES WEST (972) 678-3224

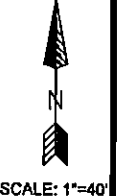
**DRAWN BY:** CHC CONSULTING  
**EST. #:**      **SHEET#:** 3 OF 6

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING LLC  
2000 PINE HARBOR DR, STE. 600  
SAN JOSE, CA 95131

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 6'     | 9'     | 90°   |



PARCEL: 65072304  
APN: 65072304



Know what's below.  
Call before you dig.

**Frontier COMMUNICATIONS**

JOB ID: 5291557 | DATE: 04/28/2022

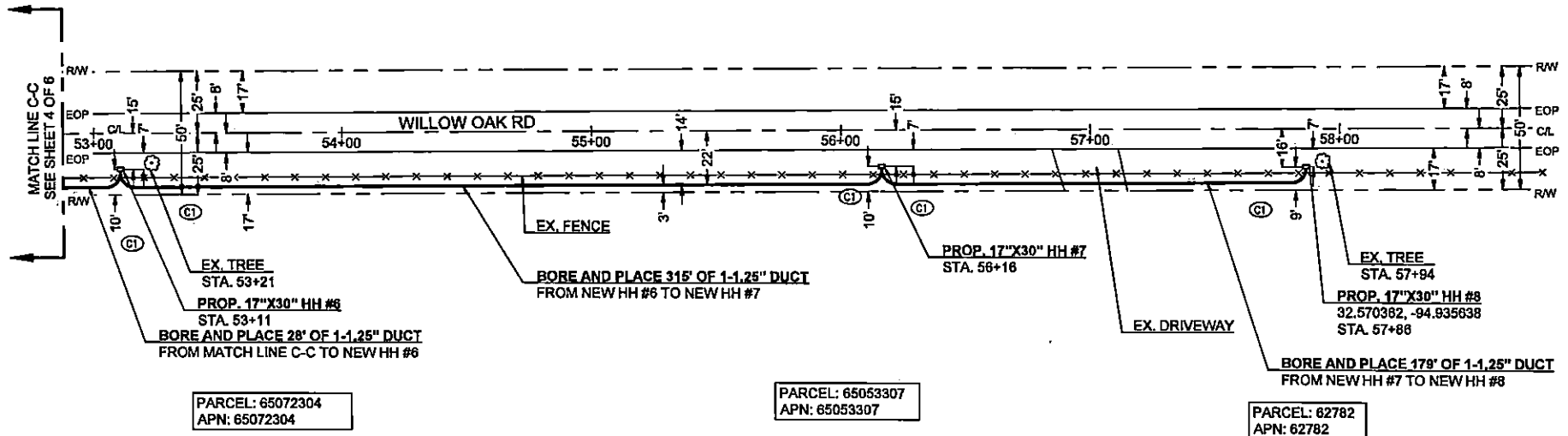
TITLE: FDH - 1619 E LAKE DR  
STREET ADDRESS: 1619 E LAKE DR  
CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)  
FTR ENGINEER: CORY RIGGS (310) 210-9882  
FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING  
DRAWN BY: CHC CONSULTING

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING LLC  
1000 801 8th Street, Suite 1114  
San Diego, CA 92108

EST. #: SHEET#:  
4 OF 6

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 6'     | 9'     | 90°   |



PARCEL: 65072304  
APN: 65072304

PARCEL: 65053307  
APN: 65053307

PARCEL: 62782  
APN: 62782



SCALE: 1"=40'

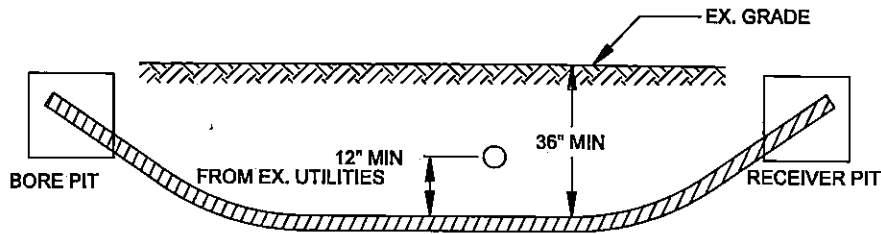


Know what's below.  
Call before you dig.

# Frontier COMMUNICATIONS

|  |                          |
|--|--------------------------|
| JOB ID: 5291557  | DATE: 04/28/2022         |
| TITLE: FDH - 1819 E LAKE DR  |                          |
| STREET ADDRESS: 1819 E LAKE DR   |                          |
| CITY/STATE: GLADEWATER, TX 79847 (UPSHUR COUNTY)   |                          |
| FTR ENGINEER: CORY RIGGS (310) 210-9882  |                          |
| FTR INSPECTOR: JAMES WEST (972) 578-3224   |                          |
| DRAWN BY: CHC CONSULTING   | EST. #:                  |
| CHC CONSULTING<br>ENGINEERED BY:<br>CHC CONSULTING, LLC<br>8000 PINE BLVD SUITE 200, #114-402<br>SAN DIEGO, CA 92128 | SHEET#:<br><b>5 OF 6</b> |

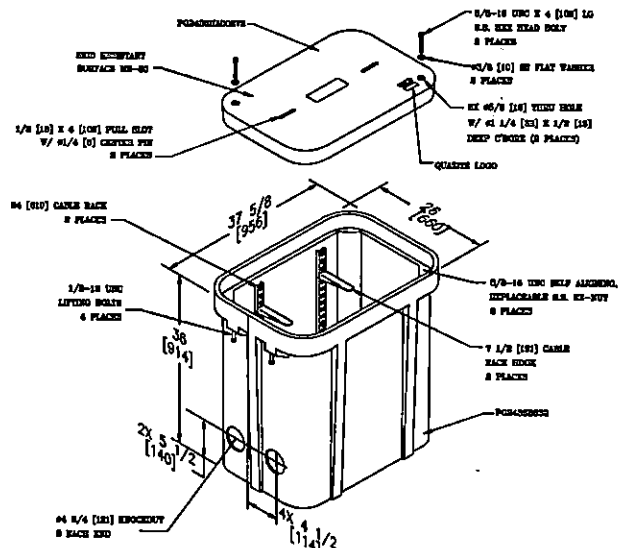
**MINIMUM STANDARDS FOR DIRECTIONAL BORING**



- 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

|  |  |                  |  |
|--|--|------------------|--|
| JOB ID: 5291557  |  | DATE: 04/28/2022 |  |
| TITLE: FDH - 1619 E LAKE DR  |  |                  |  |
| STREET ADDRESS: 1619 E LAKE DR   |  |                  |  |
| CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)   |  |                  |  |
| FTR ENGINEER: CORY RIGGS (310) 210-9882  |  |                  |  |
| FTR INSPECTOR: JAMES WEST (672) 578-3224   |  |                  |  |
| DRAWN BY: CHC CONSULTING   |  | EST. #:          |  |
|  |  | SHEET#:          |  |
| <small>ENGINEERED BY:<br/>CHC CONSULTING, LLC<br/>1000 HWY 100, SUITE 100, STE 400<br/>SAN DIEGO, CA 92108</small> |  | <b>6 OF 6</b>    |  |

**FRONTIER COMMUNICATION  
CONSTRUCTION SPECIFICATIONS**

- Contact Frontier Engineer CORY RIGGS (310) 210-9882 sixty (60) days prior to need 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:  
CITY OF GLADEWATER**

PICK UP POINT:  
EX. POLES

PATH FOOTAGE:  
BORE = 12835'

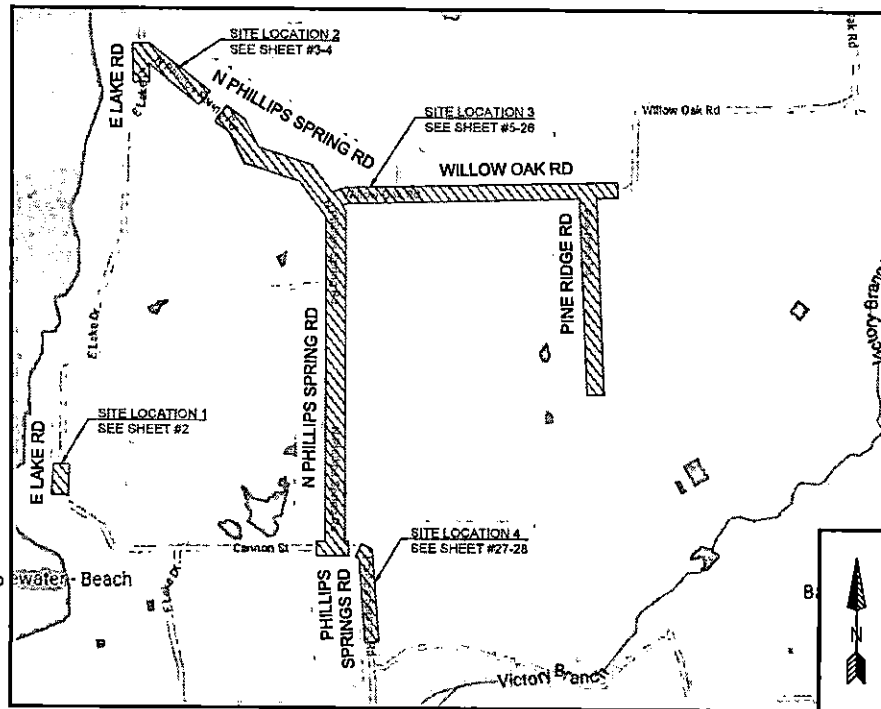
**MATERIALS:**  
(1) NEW PAD MOUNT FDH 288  
(1) NEW 20'x40'x8" CONCRETE PAD  
(1) NEW 3'x3' HH  
(19) NEW 11"x11"x18" DROP BOX  
(24) NEW 17"x30" HH  
(2) NEW 2'x3' HH  
12580' OF (1)-1.25" DUCT  
238' OF (2)-1.25" DUCTS  
12 OF (3)-1.25" DUCTS  
5' OF (1)-4" DUCT



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

# CONSTRUCTION PACKAGE

**FDH- 1619 E LAKE DR  
E LAKE DR & CANNON ST  
GLADEWATER, TX 75647**



VICINITY MAP  
NTS

**ABBREVIATIONS**

|      |                   |        |                         |
|------|-------------------|--------|-------------------------|
| BLDG | BUILDING          | PED    | PEDESTAL (UTILITY)      |
| CL   | CENTER LINE       | PVC    | POLYVINYL CHLORIDE      |
| CONC | CONCRETE          | PL     | PROPERTY LINE           |
| CSW  | CONCRETE SIDEWALK | RR     | RAILROAD                |
| DWY  | DRIVEWAY          | R/W    | RIGHT OF WAY            |
| EOC  | EDGE OF CURB      | SL     | STREET LIGHT            |
| EOP  | EDGE OF PAVEMENT  | WB-LDG | 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 Manhole (2'x3' or 17'x30") |
|  | DSLAM                               |
|  | X-CONNECT                           |
|  | POWER PEDESTAL                      |
|  | TELCO PEDESTAL                      |
|  | 3' X 6' PULL BOX                    |
|  | POLE                                |



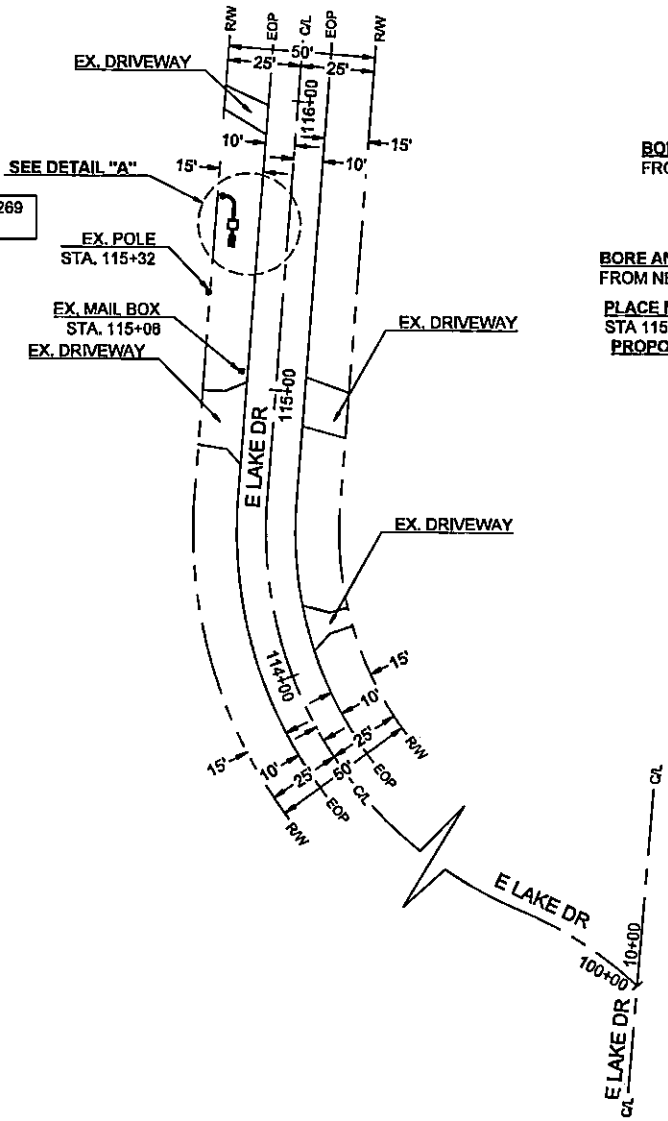
JOB ID: 5291657      DATE: 04/28/2022  
 TITLE: FDH - 1619 E LAKE DR  
 STREET ADDRESS: 1619 E LAKE DR  
 CITY/STATE: GLADEWATER, TX 75647 (LIPSCHUR COUNTY)  
 FTR ENGINEER: CORY RIGGS (310) 210-9882  
 FTR INSPECTOR: JAMES WEST (972) 678-3224

DRAWN BY: CHC CONSULTING  
 EST. #:      SHEET#: 1 OF 26

-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.

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |

PARCEL: 50269  
APN: 50269



EX. POLE  
STA. 115+85  
32.560289, -94.957268  
SEE SHEET 25

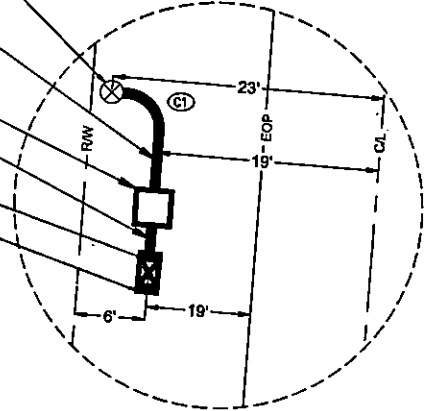
**BORE AND PLACE 12' OF 3-1.25" DUCTS**  
FROM EX. POLE TO NEW HH #1

**PROP. 3'X3' HH #1**  
STA. 115+56

**BORE AND PLACE 5' OF 1.4" DUCT**  
FROM NEW HH #1 TO NEW FDH CABINET 288

**PLACE NEW PAD MOUNT FDH CABINET 288**  
STA 115+50

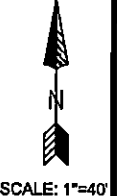
**PROPOSE NEW 20"X40"X6" CONCRETE PAD**



**DETAIL "A"**  
SCALE: 1"=10'



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5281657 | DATE: 04/28/2022

TITLE: FDH - 1819 E LAKE DR

STREET ADDRESS: 1819 E LAKE DR

CITY/STATE: GLADEWATER, TX 75647 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING

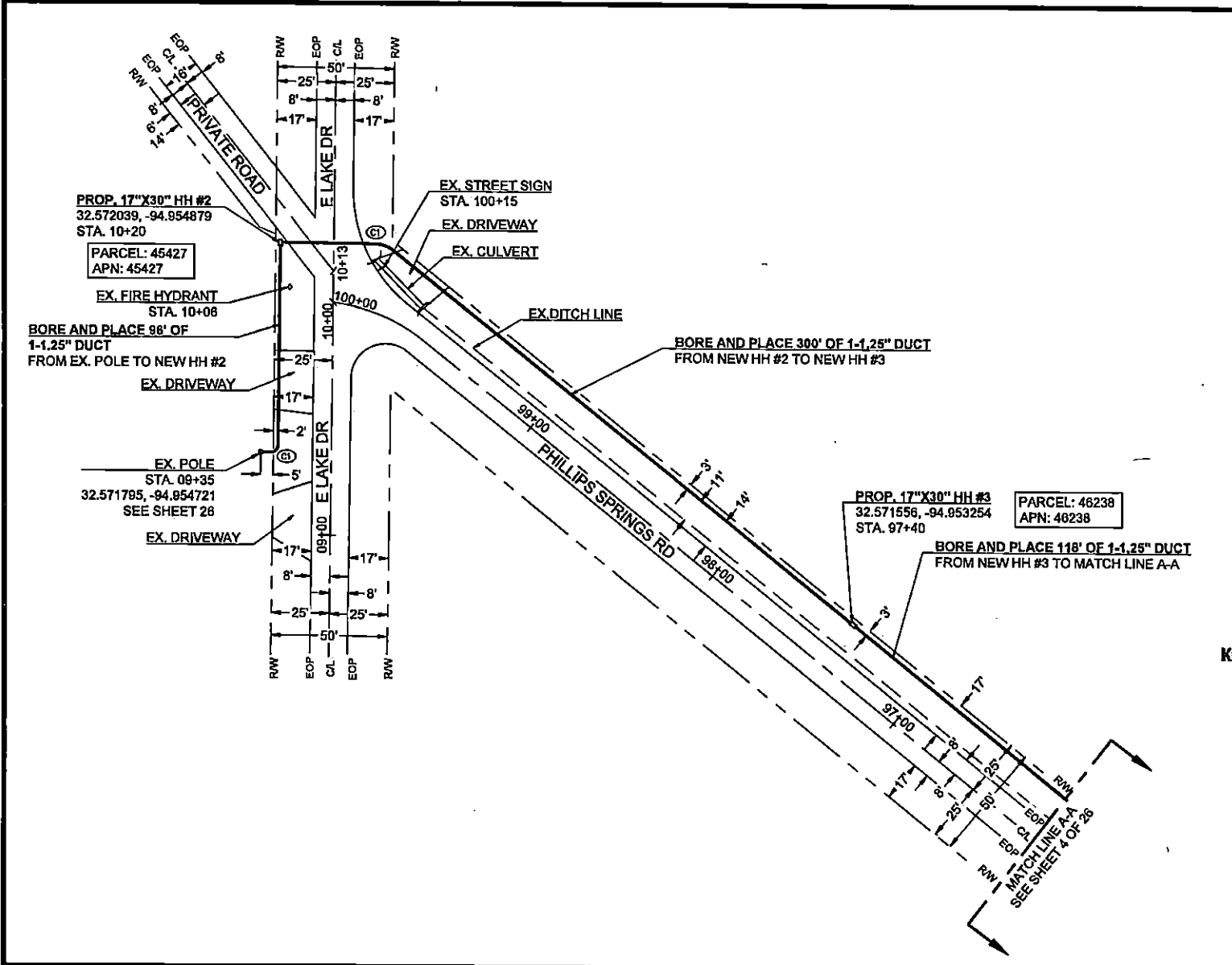
DRAWN BY: CHC CONSULTING

EST. #: SHEET#: 2 OF 26

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, LLC  
6099 MID. VALI BLVD. STE. 402  
SAN DIEGO, CA 92120



| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |
| C2    | 12.5'  | 8'     | 38°   |



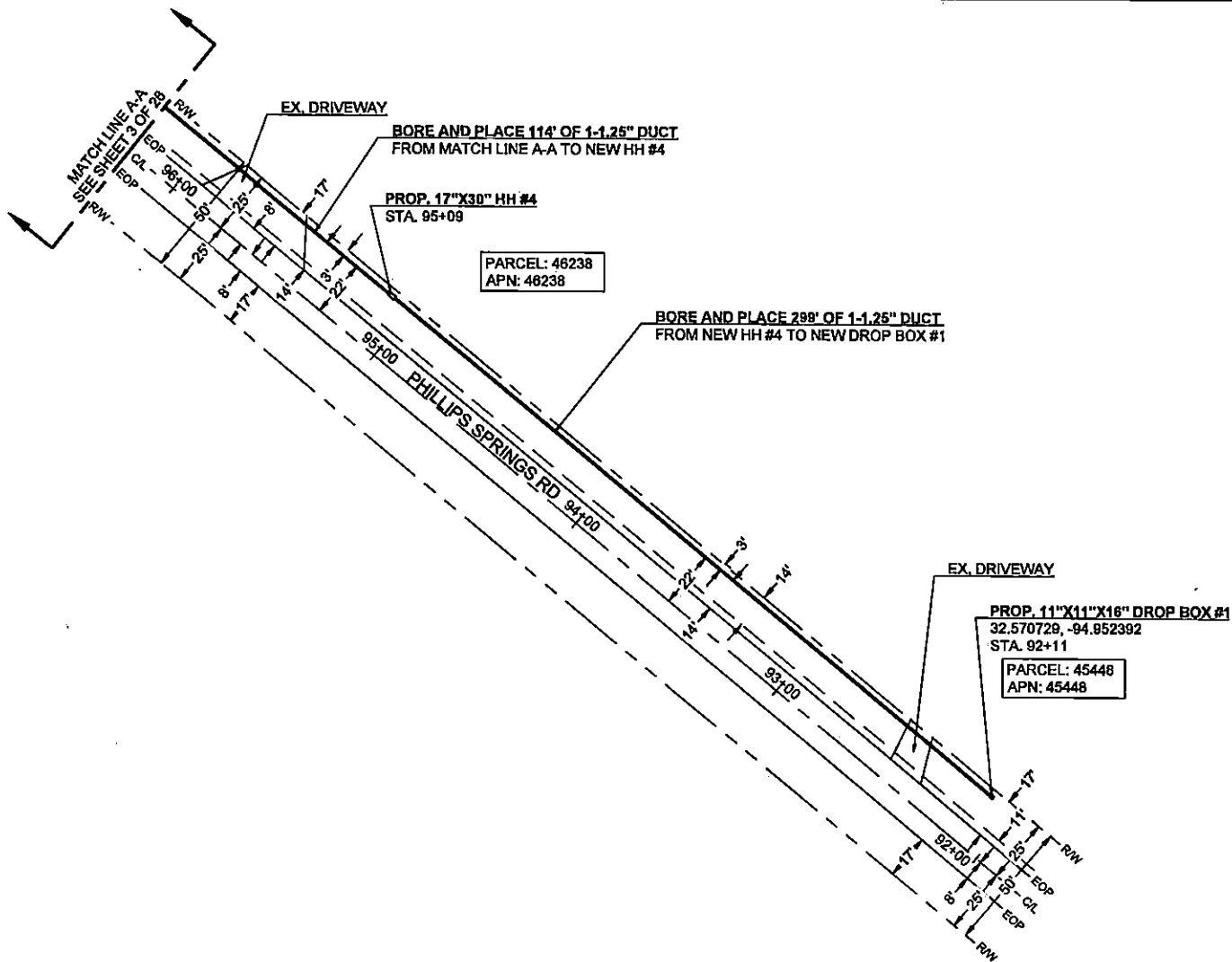
Know what's below.  
 Call before you dig. SCALE: 1"=40'



# Frontier COMMUNICATIONS

JOB ID: 5291557 DATE: 04/28/2022  
 TITLE: FDH - 1619 E LAKE DR  
 STREET ADDRESS: 1619 E LAKE DR  
 CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)  
 FTR ENGINEER: CORY RIGGS (310) 210-8882  
 FTR INSPECTOR: JAMES WEST (972) 578-3224  
 DRAWN BY: CHC CONSULTING  
 EST. #: SHEET#: 3 OF 26

CHC CONSULTING  
 ENGINEERED BY:  
 CHC CONSULTING, LLC  
 808 W. IRLAND AVE., SUITE 400  
 SAN DIEGO, CA 92108



Know what's below.  
Call before you dig.



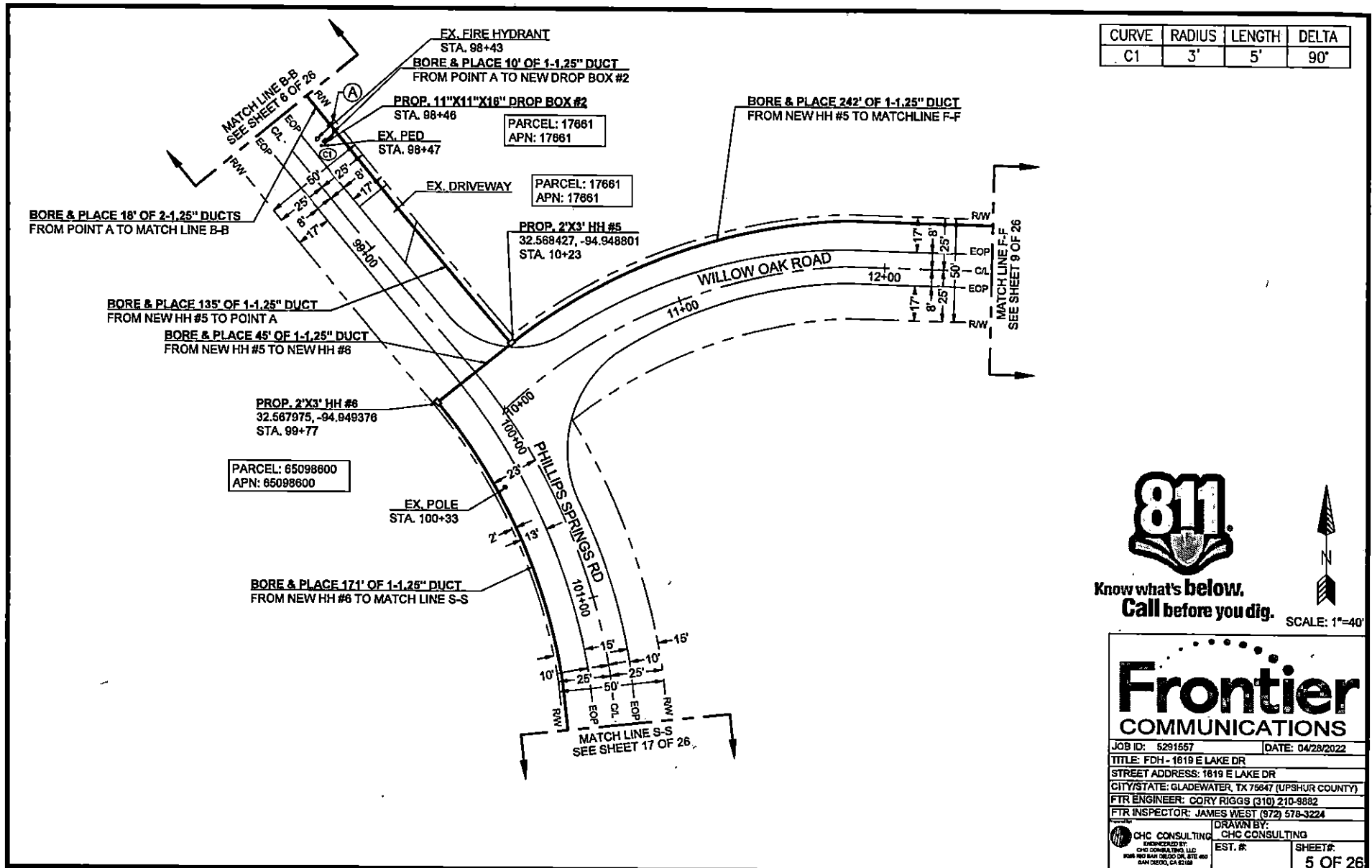
SCALE: 1"=40'

# Frontier COMMUNICATIONS

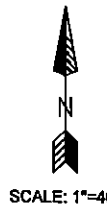
JOB ID: 5281657 | DATE: 04/28/2022  
 TITLE: FDH - 1619 E LAKE DR  
 STREET ADDRESS: 1619 E LAKE DR  
 CITY/STATE: GLADEWATER, TX 75647 (LIPSHUR COUNTY)  
 FTR ENGINEER: CORY RIGGS (310) 210-9882  
 FTR INSPECTOR: JAMES WEST (672) 578-3224

|   |                             |                    |
|---|-----------------------------|--------------------|
| CHC CONSULTING<br>ENGINEERED BY:<br>CHC CONSULTING LTD<br><small>2006 900 MAIN STREET, SUITE 100<br/>         SAN DIEGO, CA 92108</small> | DRAWN BY:<br>CHC CONSULTING | SHEET#:<br>4 OF 26 |
|   | EST. #:                     |                    |

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |



Know what's below.  
Call before you dig.



# Frontier COMMUNICATIONS

|   |                            |
|---|----------------------------|
| JOB ID: 6291657   | DATE: 04/28/2022           |
| TITLE: FDH - 1619 E LAKE DR   |                            |
| STREET ADDRESS: 1619 E LAKE DR  |                            |
| CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)  |                            |
| FTR ENGINEER: CORY RIGGS (310) 210-8882   |                            |
| FTR INSPECTOR: JAMES WEST (872) 578-3224  |                            |
| DRAWN BY: CHC CONSULTING  | EST. #:                    |
| ENGINEERED BY: CHC CONSULTING, LLC<br>1008 405 SAN DIEGO DR, STE 400<br>SAN DIEGO, CA 92108 | SHEET #:<br><b>5 OF 26</b> |

PARCEL: 17234  
APN: 17234

BORE & PLACE 88' OF 1-1.25" DUCT  
FROM NEW HH #8 TO MATCH LINE C-C

PROP. 2"X3' HH #8  
32.568972, -94.950022  
STA. 94+68

BORE & PLACE 37' OF 1-1.25" DUCT  
FROM NEW HH #8 TO NEW DROP BOX #3

EX. POLE  
STA. 94+80

BORE & PLACE 285' OF 1-1.25" DUCT  
FROM NEW HH #7 TO NEW HH #8

EX. WATER METER  
STA. 96+40

EX. TREE  
STA. 96+57

EX. MAIL BOX  
STA. 96+61

EX. MAIL BOX  
STA. 96+69

EX. DRIVEWAY

PARCEL: 71484  
APN: 71484

PROP. 17"X30" HH #7  
STA. 97+44

EX. POLE  
STA. 97+71

EX. WATER METER  
STA. 97+85

EX. DRIVEWAY

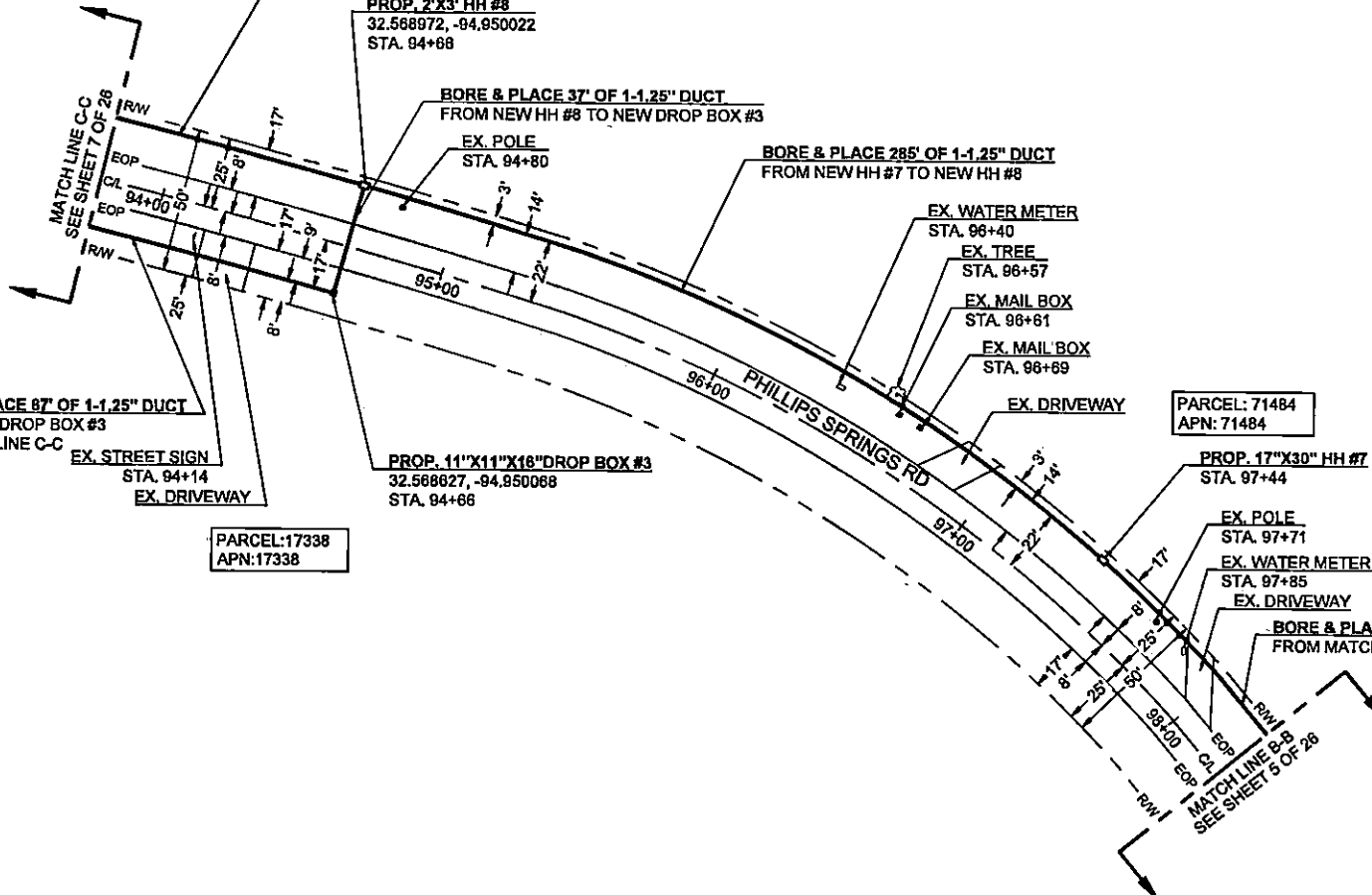
BORE & PLACE 82' OF 2-1.25" DUCTS  
FROM MATCH LINE B-B TO NEW HH #7

BORE & PLACE 87' OF 1-1.25" DUCT  
FROM NEW DROP BOX #3  
TO MATCH LINE C-C

EX. STREET SIGN  
STA. 94+14  
EX. DRIVEWAY

PROP. 11"X11"X18" DROP BOX #3  
32.568827, -94.850088  
STA. 94+66

PARCEL: 17338  
APN: 17338



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291557 | DATE: 04/28/2022

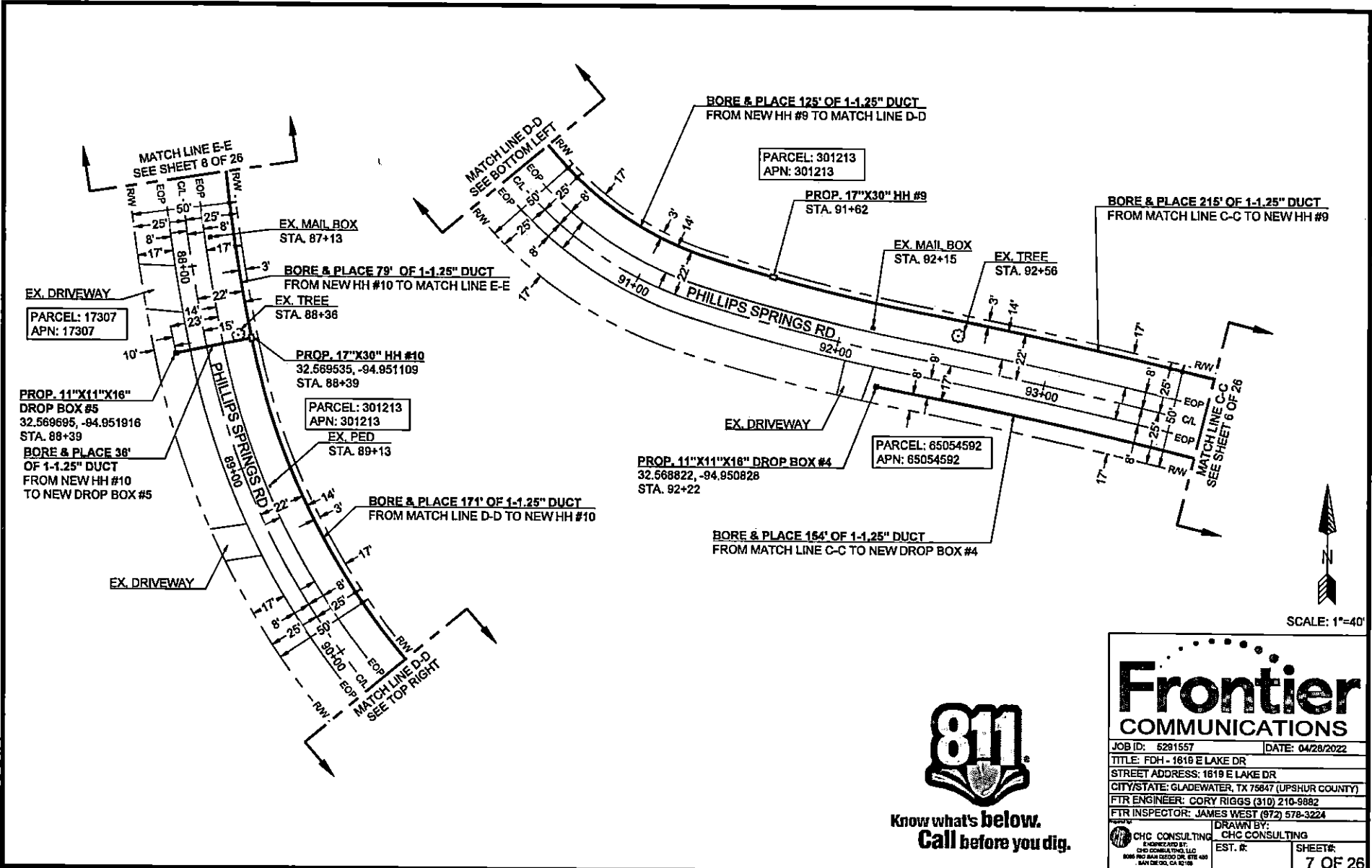
TITLE: FDH - 1619 E LAKE DR  
STREET ADDRESS: 1619 E LAKE DR  
CITY/STATE: GLADEWATER, TX 79647 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-8882  
FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING  
DRAWN BY: CHC CONSULTING

EST. #: SHEET#: 6 OF 26

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING LLC  
2000 W. MAIN STREET, SUITE 100  
SAN DIEGO, CA 92108



SCALE: 1"=40'

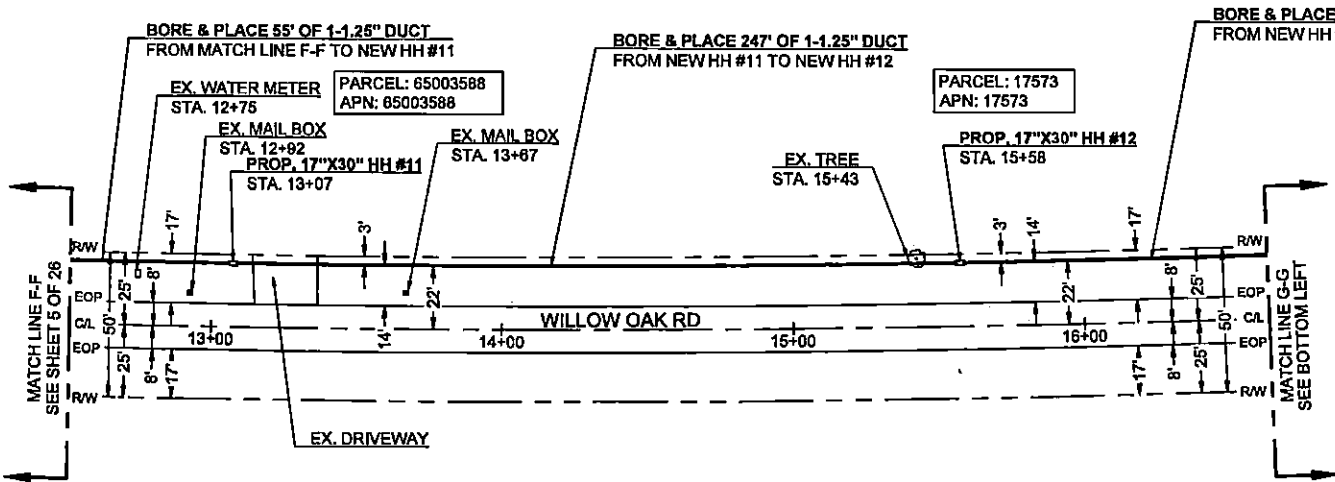
**Frontier**  
COMMUNICATIONS

|  |                  |
|--|------------------|
| JOB ID: 5281557                                    | DATE: 04/28/2022 |
| TITLE: FDH - 1619 E LAKE DR                        |                  |
| STREET ADDRESS: 1619 E LAKE DR                     |                  |
| CITY/STATE: GLADEWATER, TX 75847 (LIPSICUR COUNTY) |                  |
| FTR ENGINEER: CORY RIGGS (310) 210-9882            |                  |
| FTR INSPECTOR: JAMES WEST (972) 578-3224           |                  |
| DRAWN BY: CHC CONSULTING                           | EST. R:          |
| SHEET#:  | 7 OF 26          |

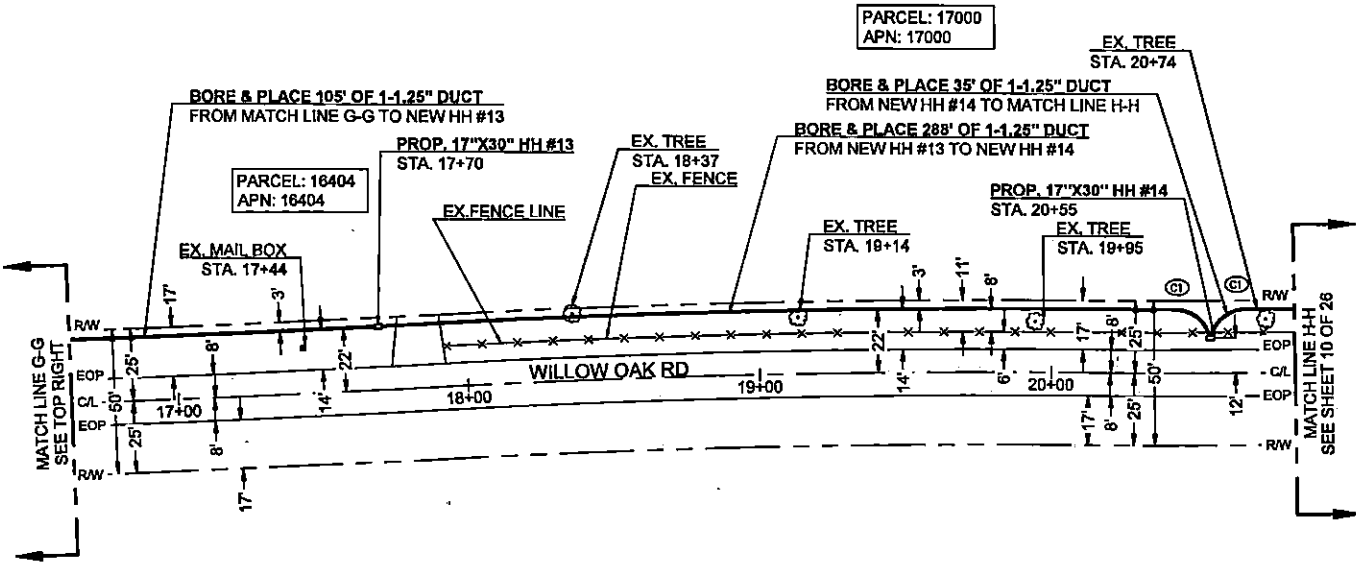
**811**  
 Know what's below.  
 Call before you dig.

CHC CONSULTING  
 ENGINEERED BY:  
 CHC CONSULTING, LLC  
 8080 HWY 100, SUITE 200, DALLAS, TX 75243  
 SAN DIEGO, CA 92108

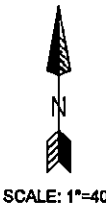




| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 12.5'  | 16'    | 74°   |



Know what's below.  
Call before you dig.



**Frontier COMMUNICATIONS**

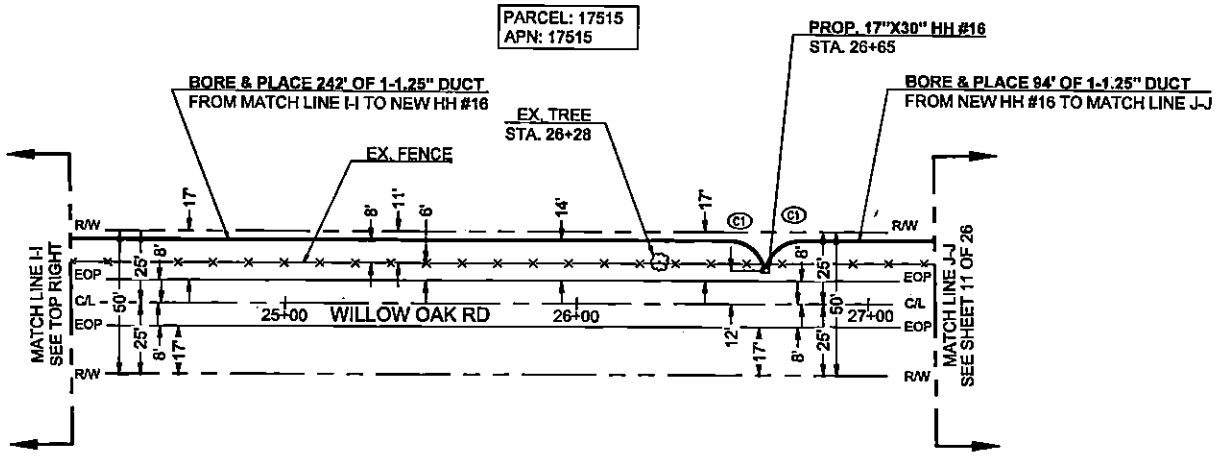
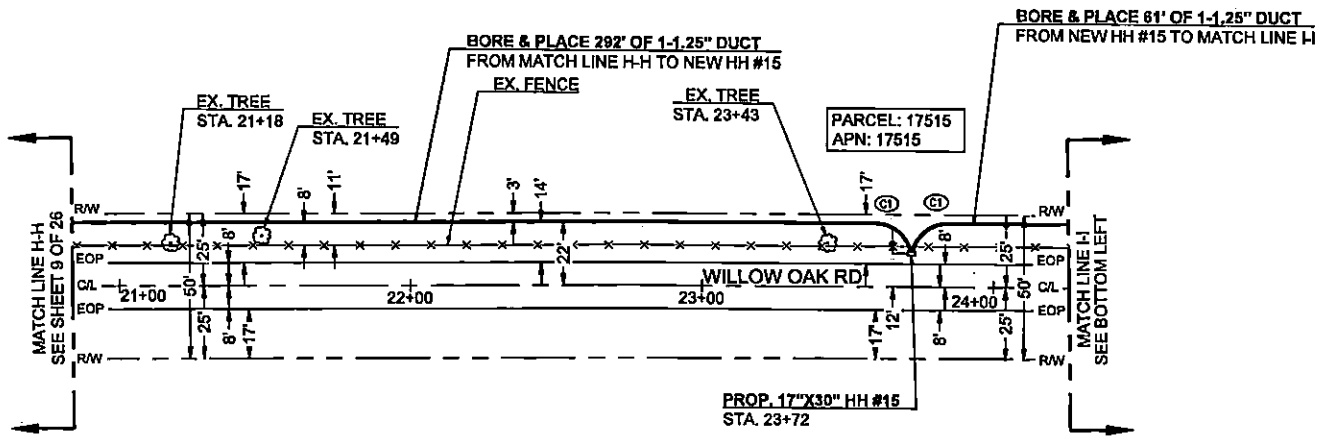
JOB ID: 5291957      DATE: 04/28/2022

TITLE: FCH - 1619 E LAKE DR  
 STREET ADDRESS: 1619 E LAKE DR  
 CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)  
 FTR ENGINEER: CORY RIGGS (31D) 210-9882  
 FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING  
 EST. #:  
 SHEET #:  
**9 OF 26**

CHC CONSULTING  
 ENGINEERED BY:  
 CHC CONSULTING, LLC  
 6080 RIO SAN DIEGO DR., STE 400  
 SAN DIEGO, CA 92121

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 12.5'  | 17'    | 77°   |



Know what's below.  
Call before you dig. SCALE: 1"=40'



**Frontier COMMUNICATIONS**

JOB ID: 5291657 | DATE: 04/28/2022

TITLE: FDI - 1819 E LAKE DR  
 STREET ADDRESS: 1819 E LAKE DR  
 CITY/STATE: GLADEWATER, TX 76847 (UPSHUR COUNTY)  
 FTR ENGINEER: CORY RIGGS (310) 210-9882  
 FTR INSPECTOR: JAMES WEST (972) 676-3224

DRAWN BY: CHC CONSULTING  
 EST. #:  
 SHEET#: 10 OF 26

CHC CONSULTING  
 ENGINEERED BY:  
 CHC CONSULTING, LLC  
 8080 RING ROAD, SUITE 200, STE 400  
 SAN DIEGO, CA 92118

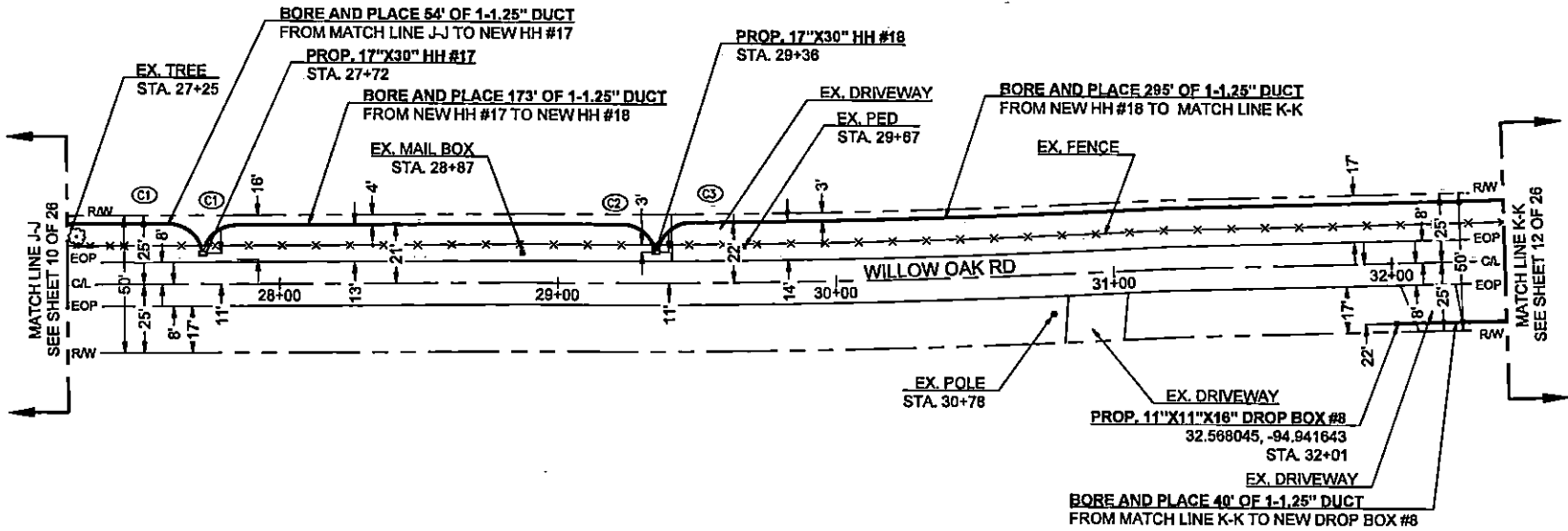


| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 12.5'  | 17'    | 76'   |
| C2    | 12.5'  | 16'    | 74'   |
| C3    | 12.5'  | 17'    | 78'   |

PARCEL: 17515  
APN: 17515

PARCEL: 17312  
APN: 17312

PARCEL: 76864  
APN: 76864



SCALE: 1"=40'



Know what's below.  
Call before you dig.

**Frontier COMMUNICATIONS**

JOB ID: 5291657 | DATE: 04/28/2022

TITLE: FDH - 1619 E LAKE DR

STREET ADDRESS: 1619 E LAKE DR

CITY/STATE: GLADEWATER, TX 75647 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

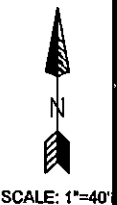
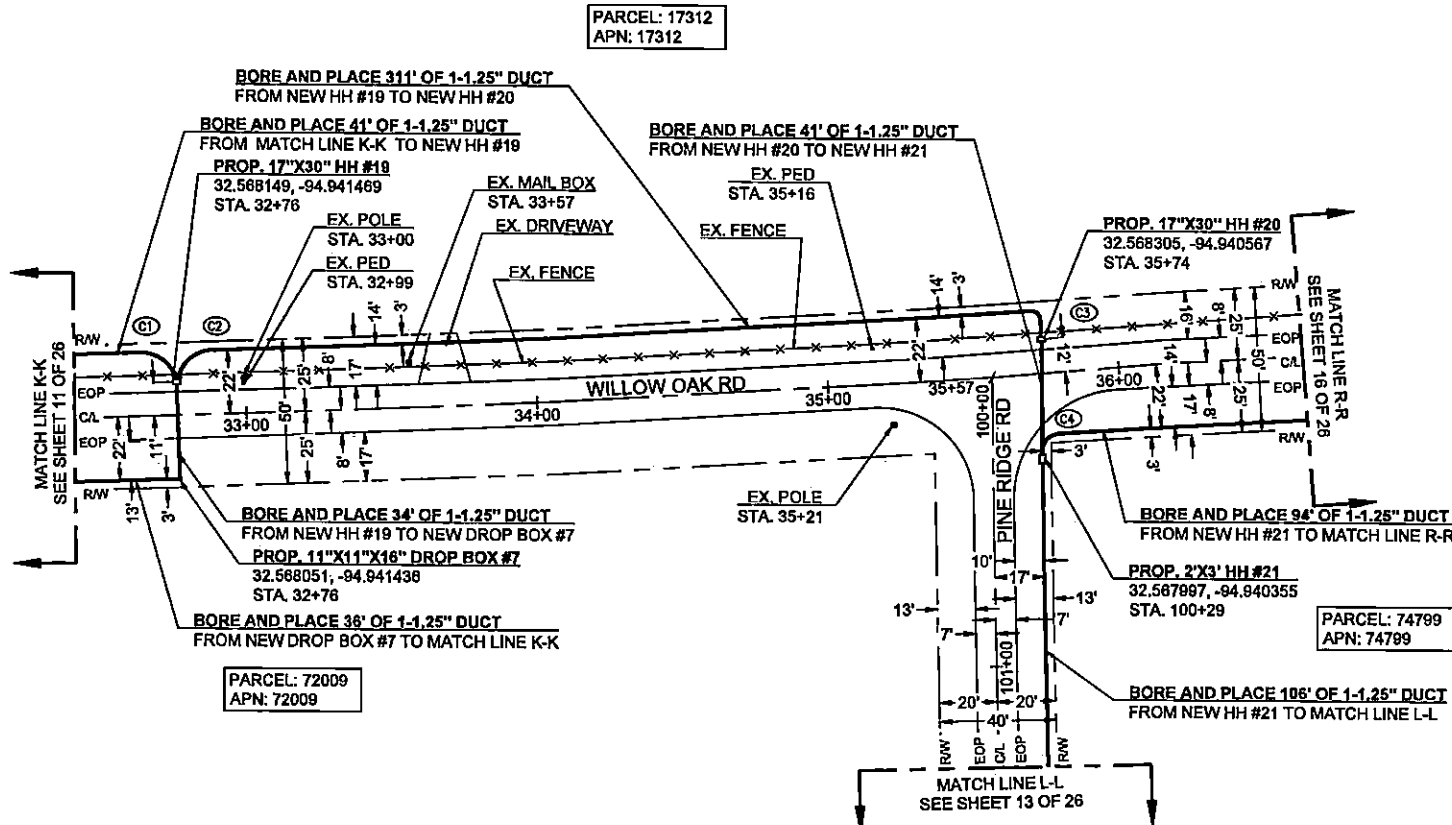
FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

CHC CONSULTING EST. #:

SHEET#: 11 OF 26

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 12.5'  | 17'    | 78'   |
| C2    | 12.5'  | 18'    | 82'   |
| C3    | 3'     | 5'     | 92'   |
| C4    | 6'     | 9'     | 87'   |



Know what's below.  
Call before you dig.

**Frontier COMMUNICATIONS**

JOB ID: 5291657 | DATE: 04/28/2022

TITLE: FDH - 1619 E LAKE DR

STREET ADDRESS: 1619 E LAKE DR

CITY/STATE: GLADEWATER, TX 75947 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

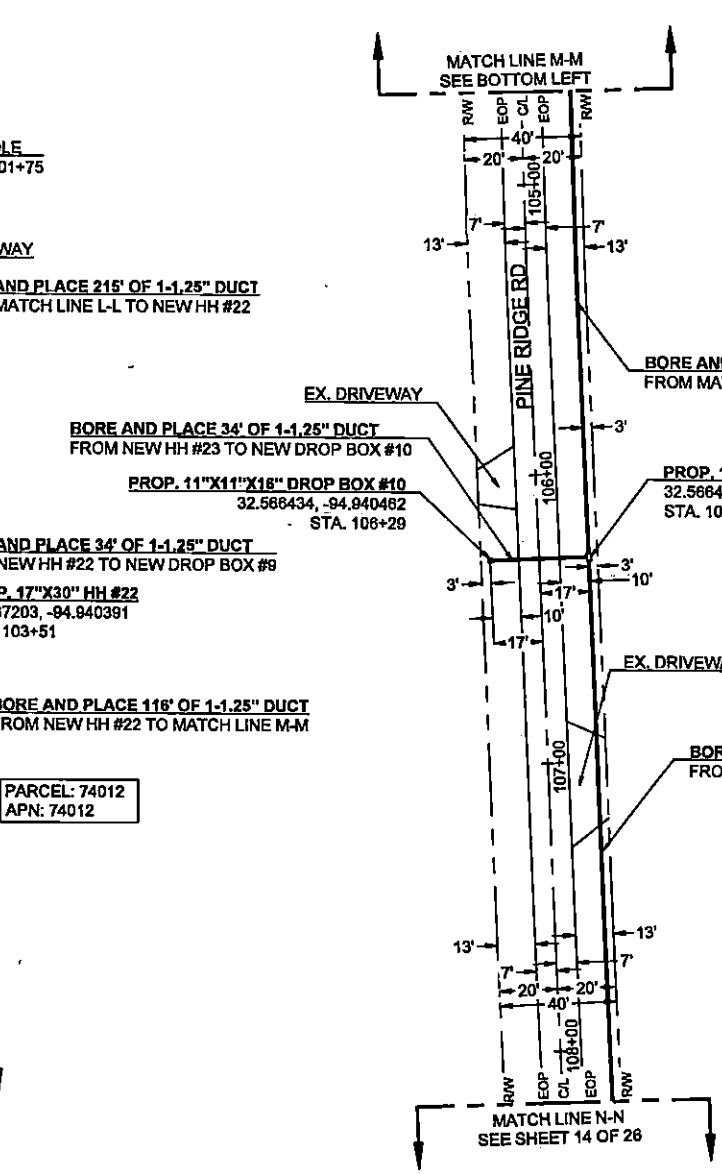
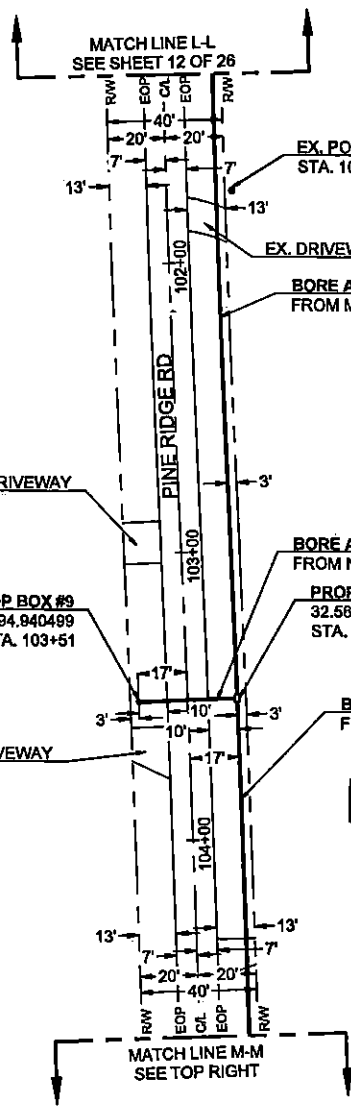
FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

EST. #: CHC CONSULTING

SHEET#: 12 OF 26

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, LLC  
1000 WEST HAWK CIRCLE, SUITE 400  
IRVING, TEXAS 75039



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291557      DATE: 04/28/2022

TITLE: FDH - 1818 E LAKE DR

STREET ADDRESS: 1818 E LAKE DR

CITY/STATE: GLADEWATER, TX 75647 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-3882

FTR INSPECTOR: JAMES WEST (972) 678-3224

ENGINEERED BY: CHC CONSULTING

CHC CONSULTING LLC  
206 N. SAN ANTONIO DR. STE. 400  
SAN ANTONIO, TX 78208

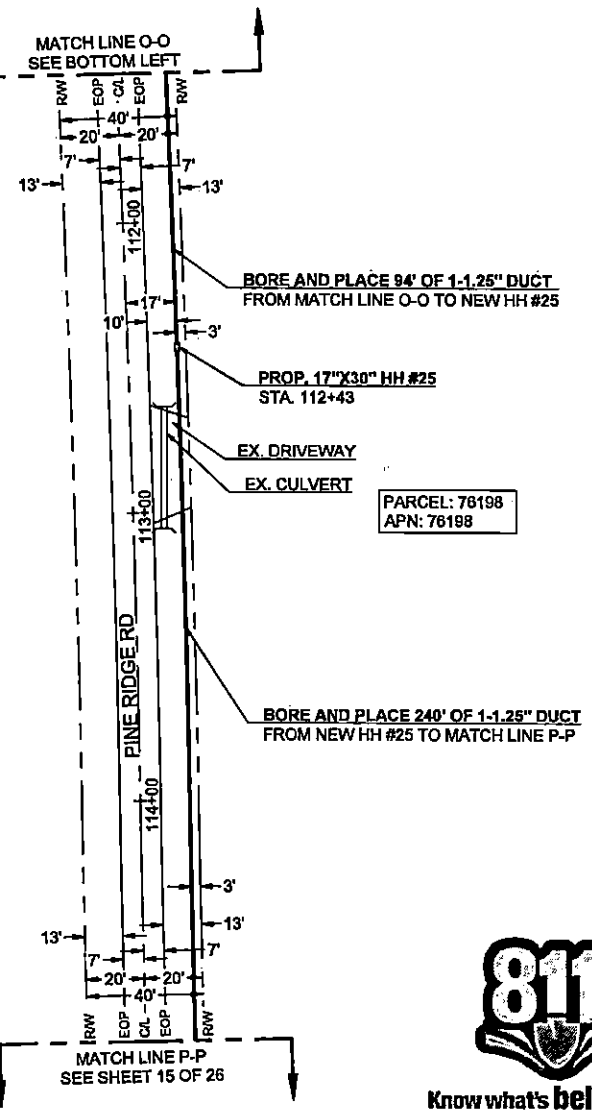
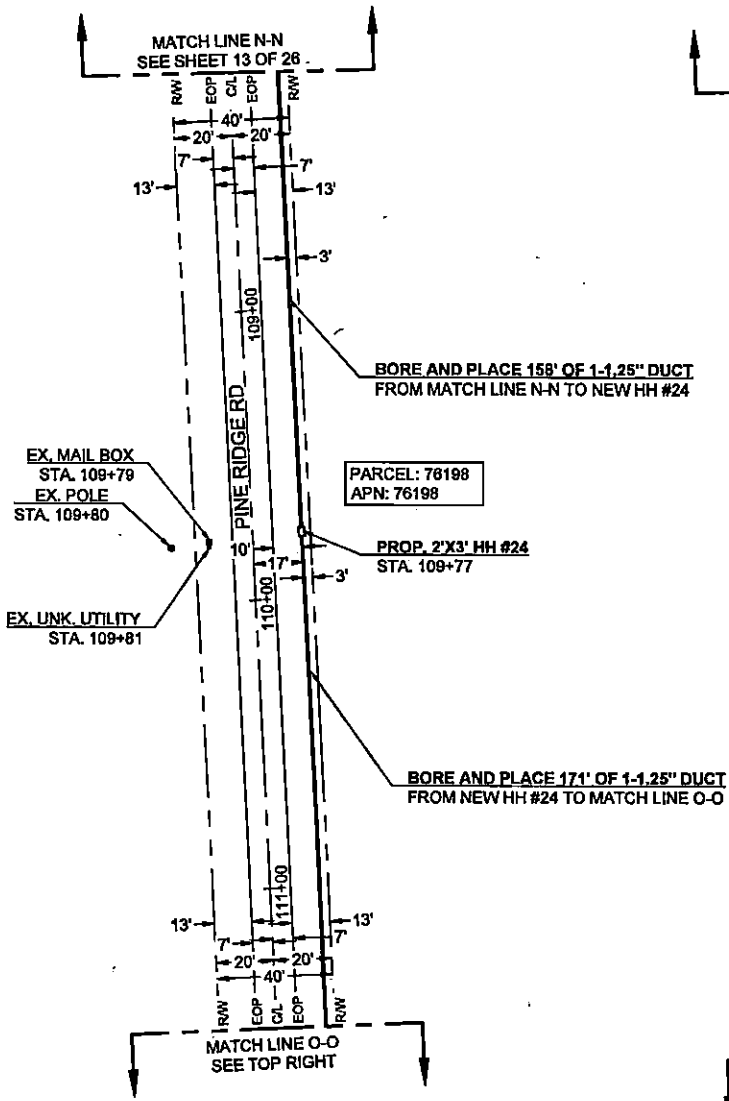
DRAWN BY: CHC CONSULTING

EST. #:      SHEET#: 13 OF 26

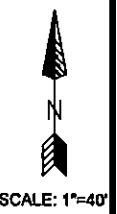
PARCEL: 72475  
APN: 72475

PARCEL: 73942  
APN: 73942

PARCEL: 74012  
APN: 74012

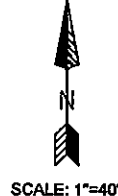
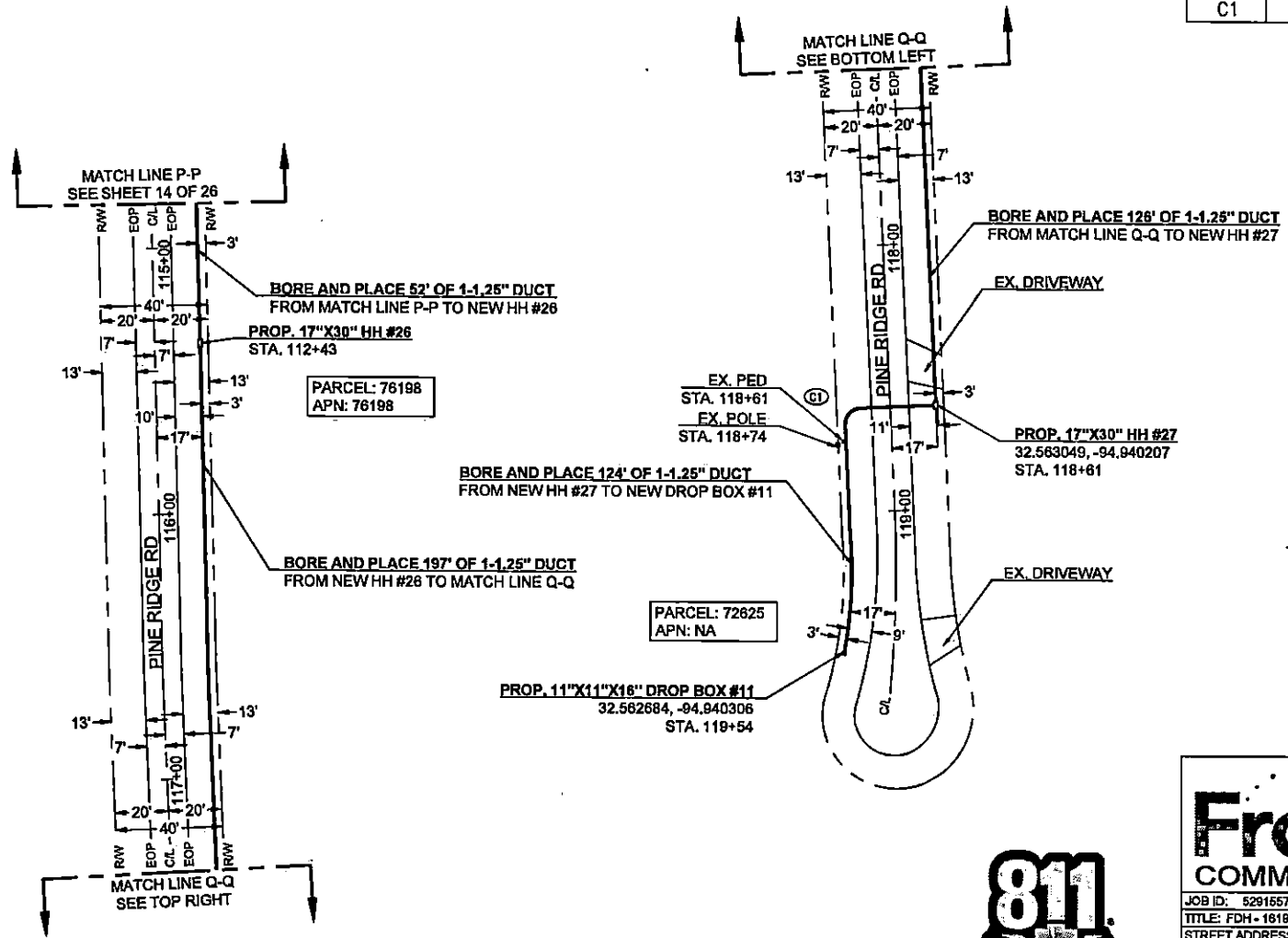


Know what's below.  
Call before you dig.



|  |  |
|--|--|
| <b>Frontier</b><br>COMMUNICATIONS  |  |
| JOB ID: 5291557  | DATE: 04/28/2022                       |
| TITLE: FDH - 1819 E LAKE DR  |  |
| STREET ADDRESS: 1819 E LAKE DR   |  |
| CITY/STATE: GLADEWATER, TX 75647 (UPSHUR COUNTY)   |  |
| FTR ENGINEER: CORY RIGGS (310) 210-9882  |  |
| FTR INSPECTOR: JAMES WEST (972) 678-3224   |  |
| CHC CONSULTING<br>CONSULTED BY:<br>CHC CONSULTING, LLC<br>1000 WEST WALKER DRIVE, SUITE 400<br>SAN ANTONIO, TX 78201 | DRAWN BY:<br>CHC CONSULTING<br>EST. #: |
| SHEET #:<br><b>14 OF 26</b>  |  |

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 6'     | 9'     | 90'   |



Know what's below.  
Call before you dig.

**Frontier COMMUNICATIONS**

JOB ID: 5291557 | DATE: 04/28/2022

TITLE: FDH - 1819 E LAKE DR

STREET ADDRESS: 1819 E LAKE DR

CITY/STATE: GLADEWATER, TX 75647 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

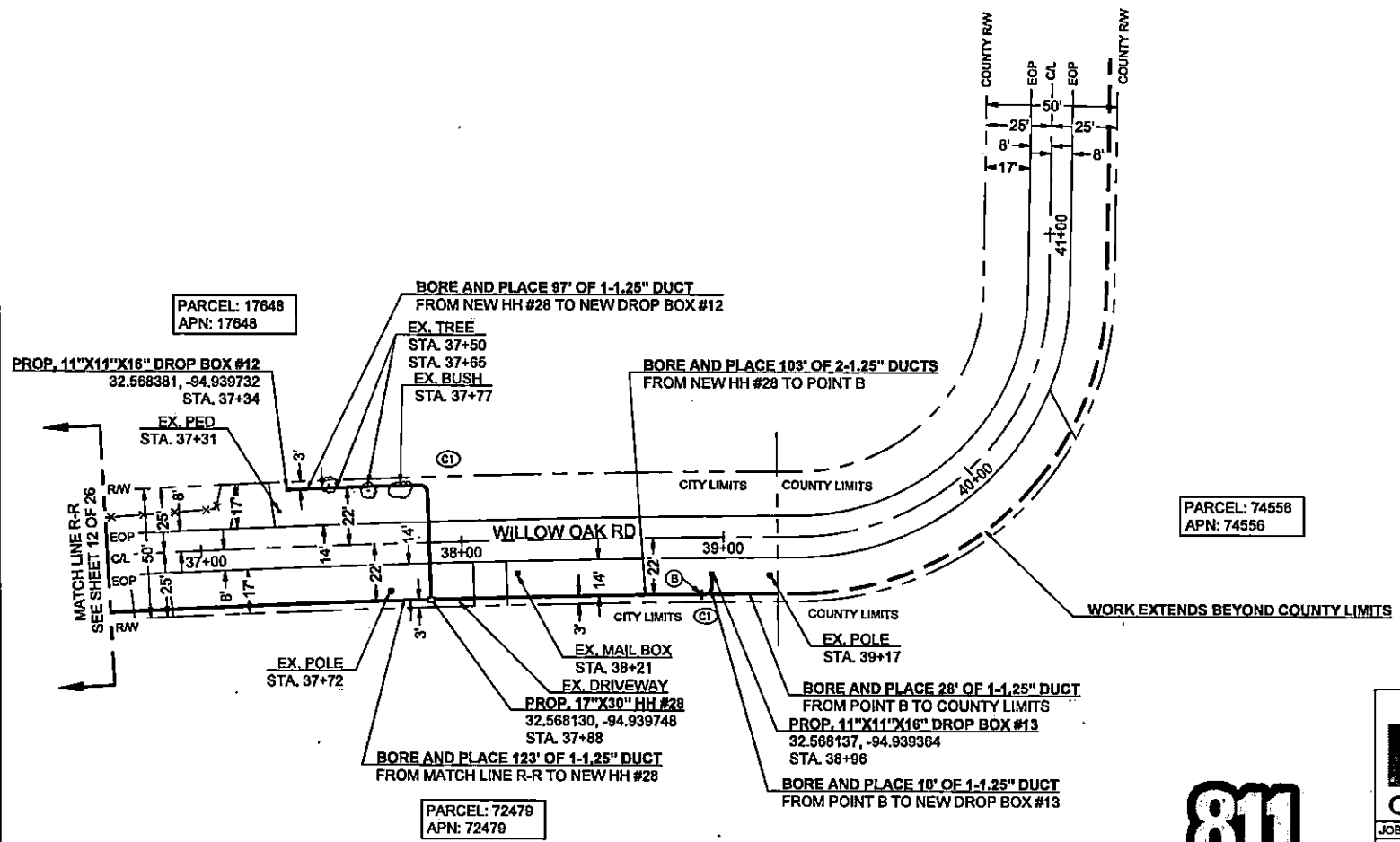
FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

EST. #: SHEET#: 15 OF 26

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, INC.  
2000 102nd AVE, SUITE 200, DENVER, CO 80231  
SAN DIEGO, CA 92108

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90'   |



PARCEL: 74558  
APN: 74556

PARCEL: 72479  
APN: 72479



SCALE: 1"=40'



Know what's below.  
Call before you dig.

**Frontier COMMUNICATIONS**

JOB ID: 5291557      DATE: 04/28/2022

TITLE: FDH - 1819 E LAKE DR

STREET ADDRESS: 1819 E LAKE DR

CITY/STATE: GLADEWATER, TX 76847 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 218-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

CHC CONSULTING  
ENGINEERS/ARCHITECTS  
CHC CONSULTING, LLC  
208 W. 4th STREET, STE. 400  
SAN ANTONIO, TX 78202

EST. #:

SHEET #:  
16 OF 26

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 6'     | 9'     | 90°   |
| C2    | 25'    | 9'     | 21°   |



Know what's below.  
Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 5291557 | DATE: 04/28/2022

TITLE: FDH - 1619 E LAKE DR

STREET ADDRESS: 1619 E LAKE DR

CITY/STATE: GLADEWATER, TX 75647 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (810) 210-9882

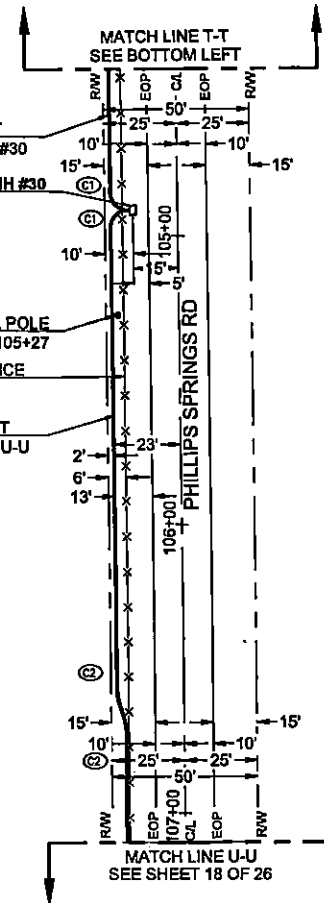
FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

CHC CONSULTING  
ENGINEERING, INC.  
CHC CONSULTING LLC  
1600 160 MAIN STREET, SUITE 400  
SAN DIEGO, CA 92108

EST. #:

SHEET#:  
17 OF 26



BORE & PLACE 48' OF 1-1.25" DUCT  
FROM MATCH LINE T-T TO NEW HH #30

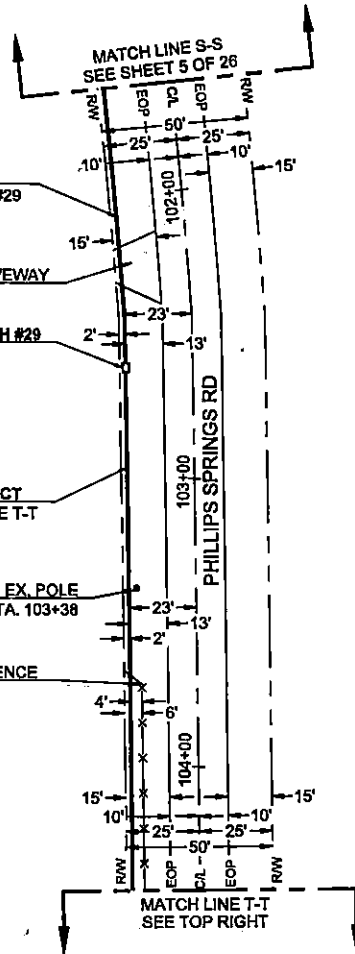
PROP. 2'X3' HH #30  
STA. 104+91

PARCEL: 71889  
APN: 71889

EX. POLE  
STA. 105+27

EX. FENCE

BORE & PLACE 224' OF 1-1.25" DUCT  
FROM NEW HH #30 TO MATCH LINE U-U



BORE & PLACE 95' OF 1-1.25" DUCT  
FROM MATCH LINE S-S TO NEW HH #29

EX. DRIVEWAY

PROP. 2'X3' HH #29  
STA. 102+62

PARCEL: 301212  
APN: 301212

BORE & PLACE 180' OF 1-1.25" DUCT  
FROM NEW HH #29 TO MATCH LINE T-T

EX. POLE  
STA. 103+38

EX. FENCE

**Frontier COMMUNICATIONS**

JOB ID: 5291557 | DATE: 04/28/2022

TITLE: FDH - 1619 E LAKE DR

STREET ADDRESS: 1619 E LAKE DR

CITY/STATE: GLADEWATER, TX 75647 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (810) 210-9882

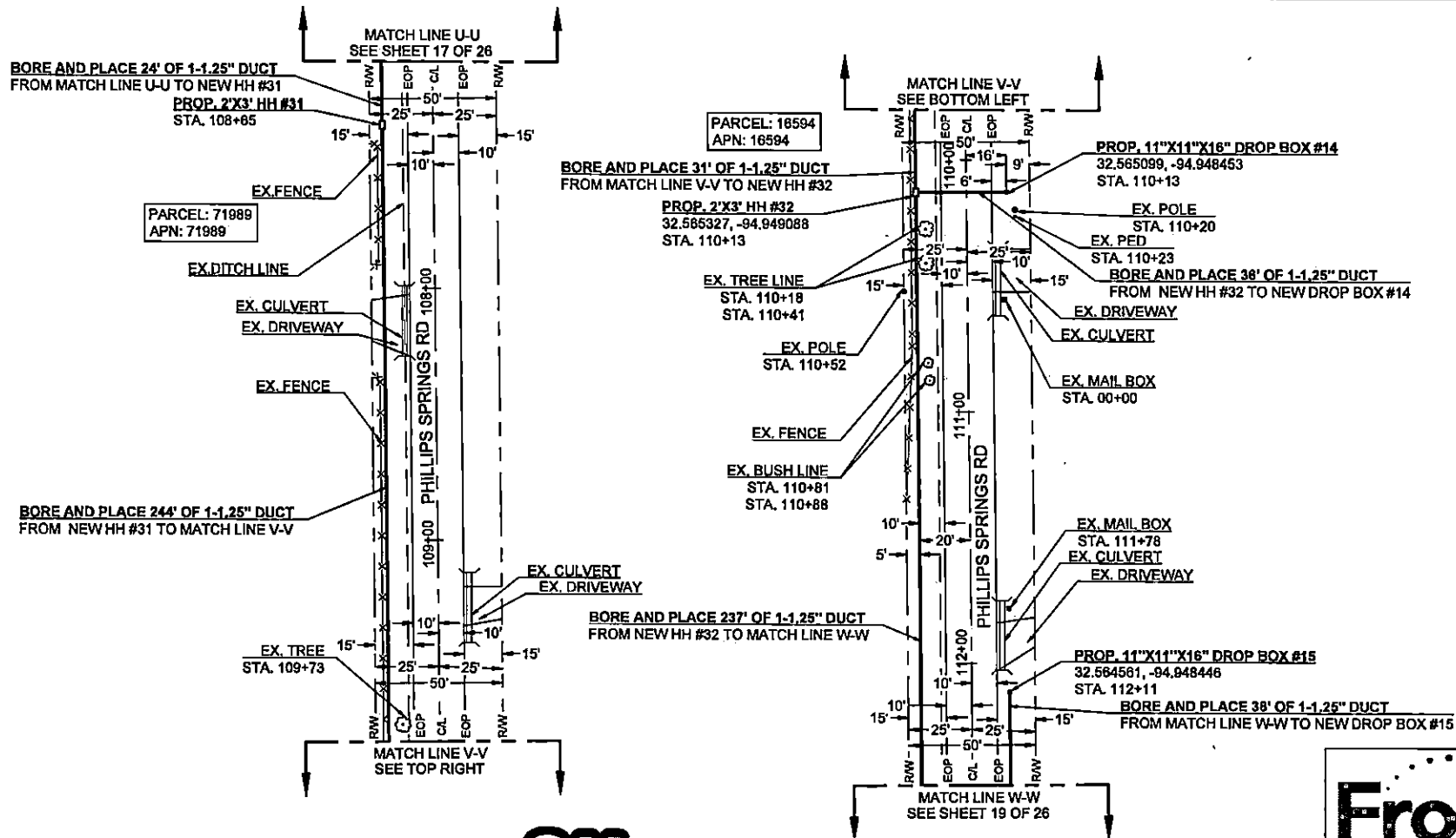
FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

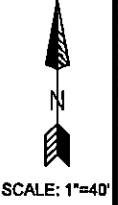
CHC CONSULTING  
ENGINEERING, INC.  
CHC CONSULTING LLC  
1600 160 MAIN STREET, SUITE 400  
SAN DIEGO, CA 92108

EST. #:

SHEET#:  
17 OF 26



Know what's below.  
Call before you dig.



**Frontier COMMUNICATIONS**

JOB ID: 6291557 | DATE: 04/28/2022

TITLE: FDH - 1619 E LAKE DR

STREET ADDRESS: 1619 E LAKE DR

CITY/STATE: GLADEWATER, TX 75647 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING

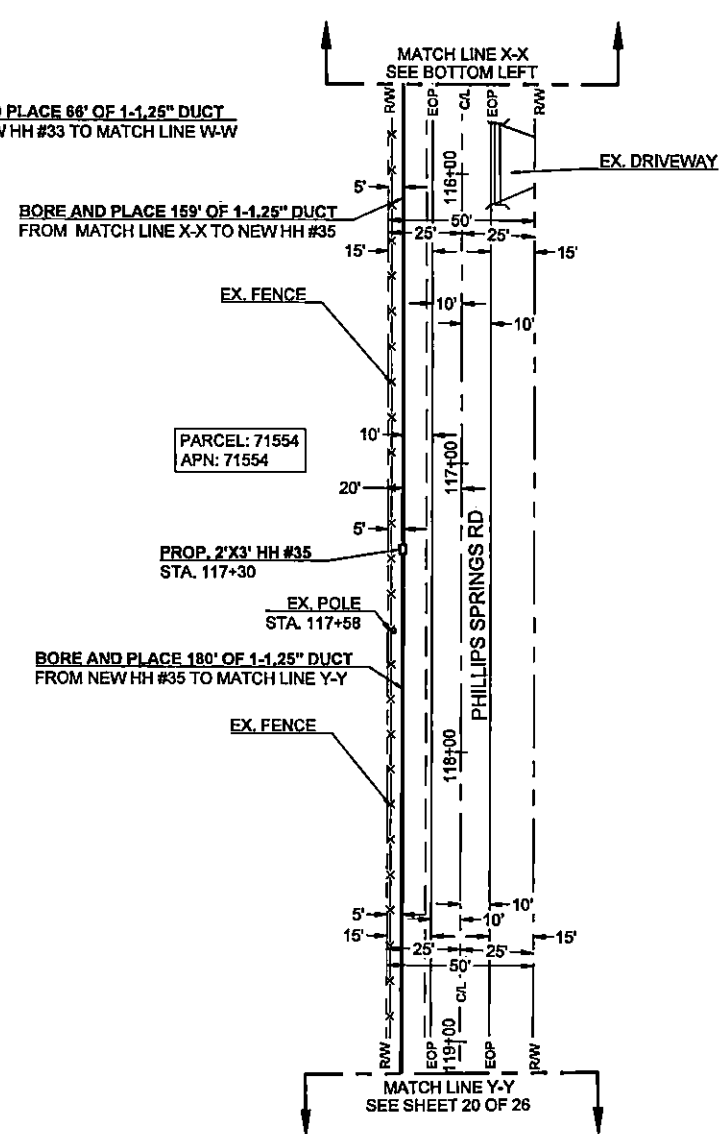
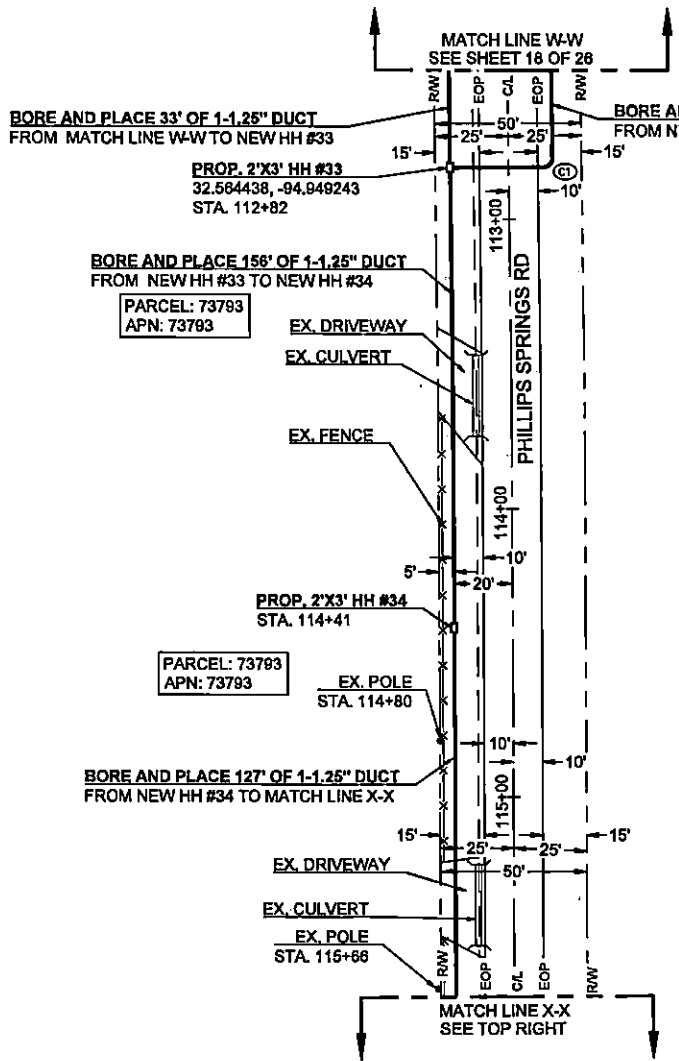
DRAWN BY: CHC CONSULTING

EST. #: SHEET#

18 OF 26



| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |



Know what's below.  
Call before you dig. SCALE: 1"=40'



**Frontier COMMUNICATIONS**

JOB ID: 6261657 | DATE: 04/28/2022

TITLE: FDH - 1619 E LAKE DR

STREET ADDRESS: 1619 E LAKE DR

CITY/STATE: GLADEWATER, TX 76647 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

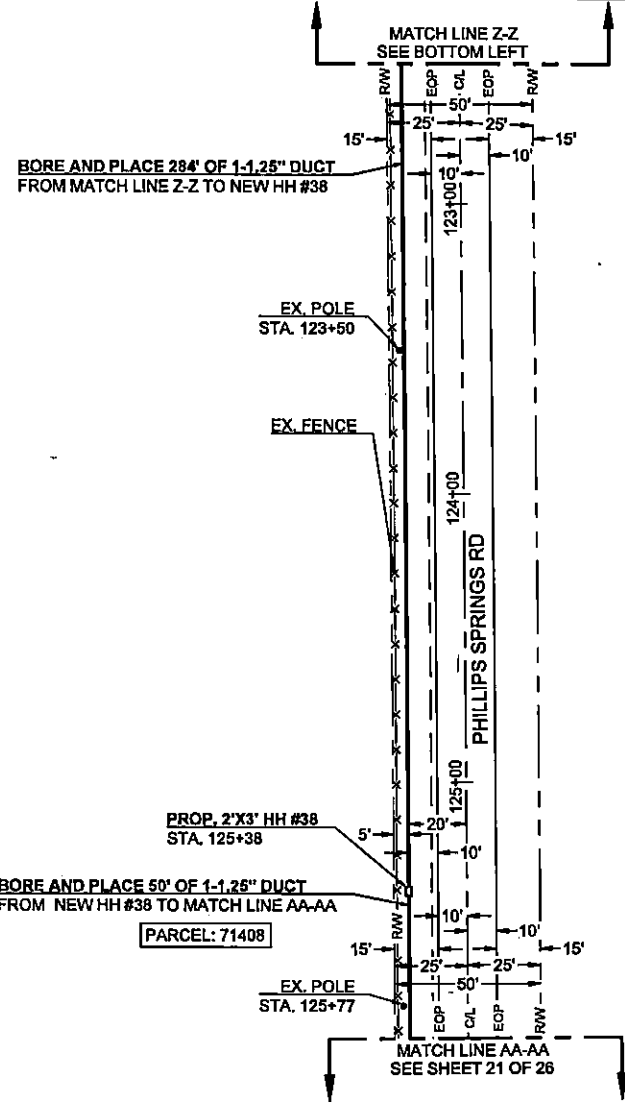
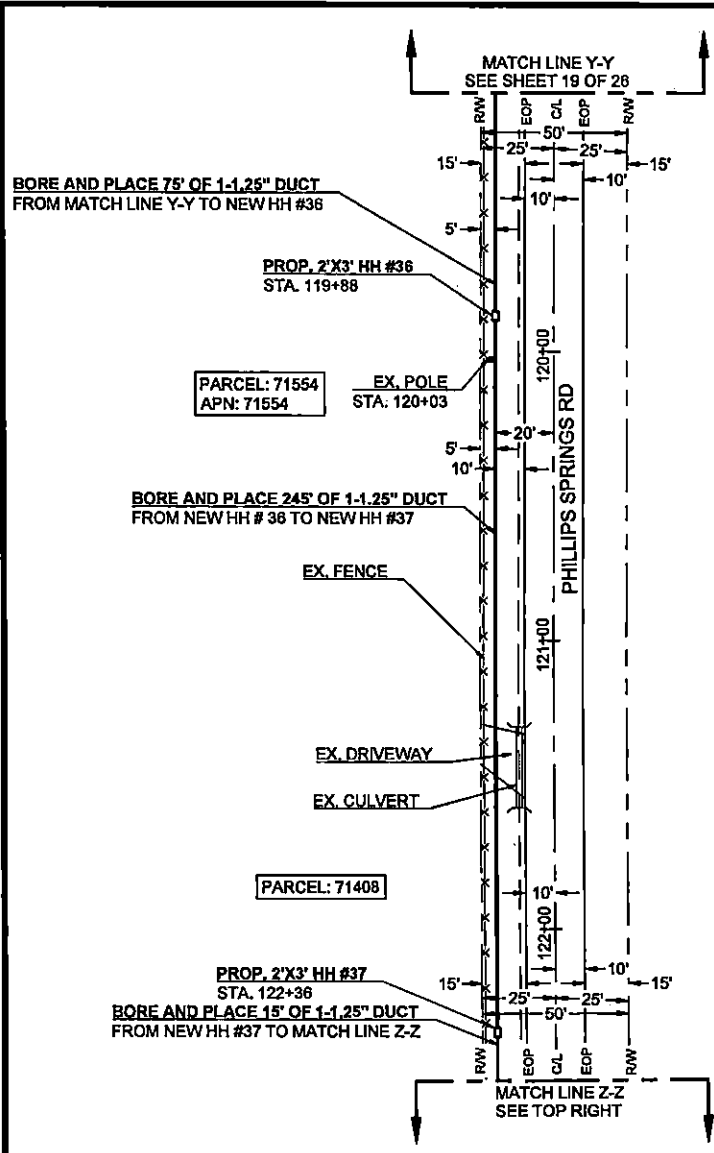
FTR INSPECTOR: JAMES WEST (972) 678-3224

DRAWN BY: CHC CONSULTING

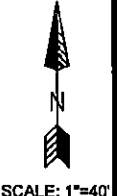
EST. #:

SHEET#: 19 OF 26

CHC CONSULTING  
ENGINEERED BY:  
CHC CONSULTING, LLC  
1000 W. HAY DECK DR. STE. 400  
SAN DIEGO, CA 92108



Know what's below.  
Call before you dig.



**Frontier COMMUNICATIONS**

JOB ID: 6291557 (DATE: 04/28/2022)

TITLE: FDH - 1818 E LAKE DR

STREET ADDRESS: 1818 E LAKE DR

CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

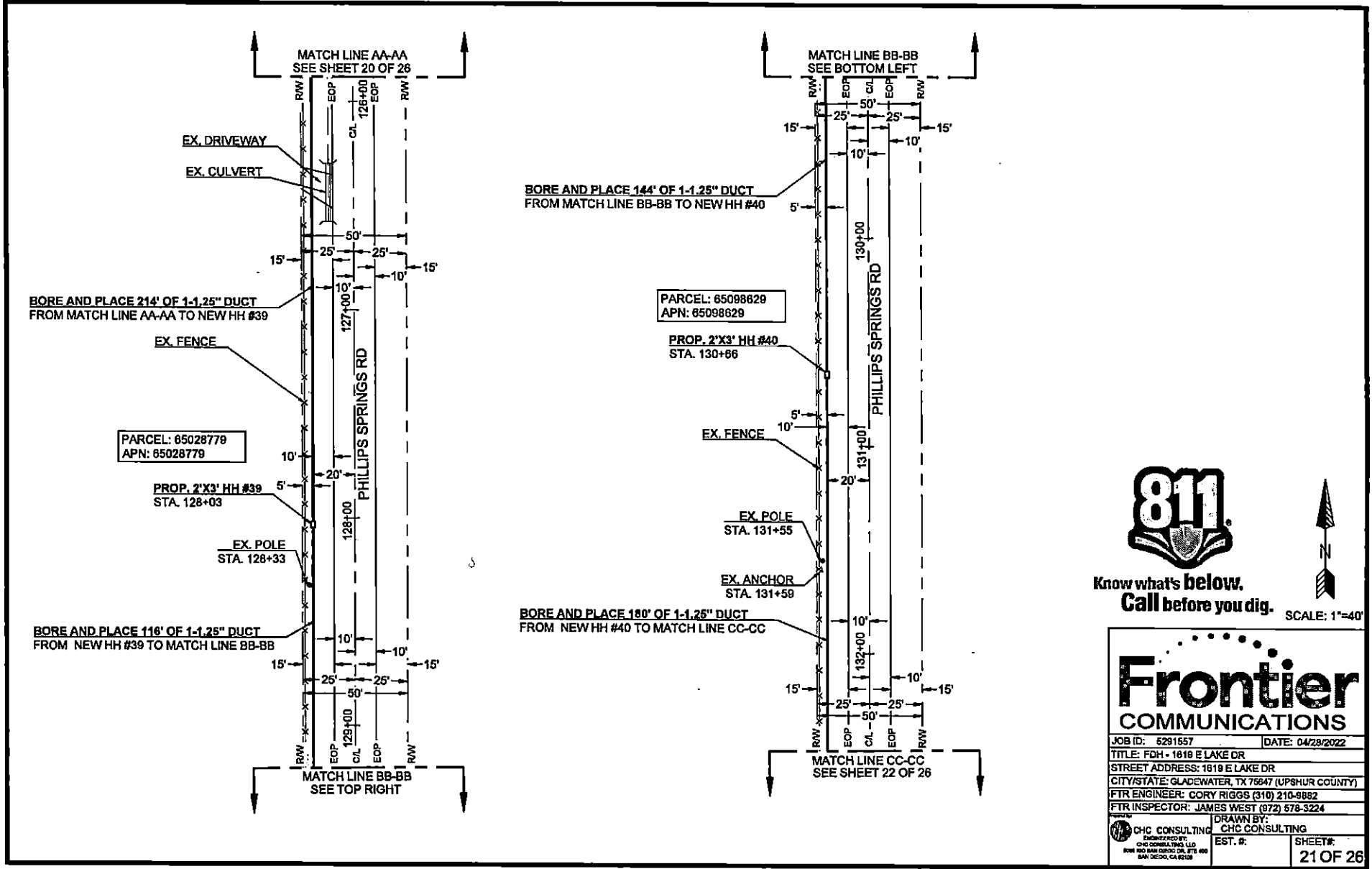
FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

ENGINEERED BY: CHC CONSULTING

EST. #: SHEET#:

20 OF 26



Know what's below.  
Call before you dig.

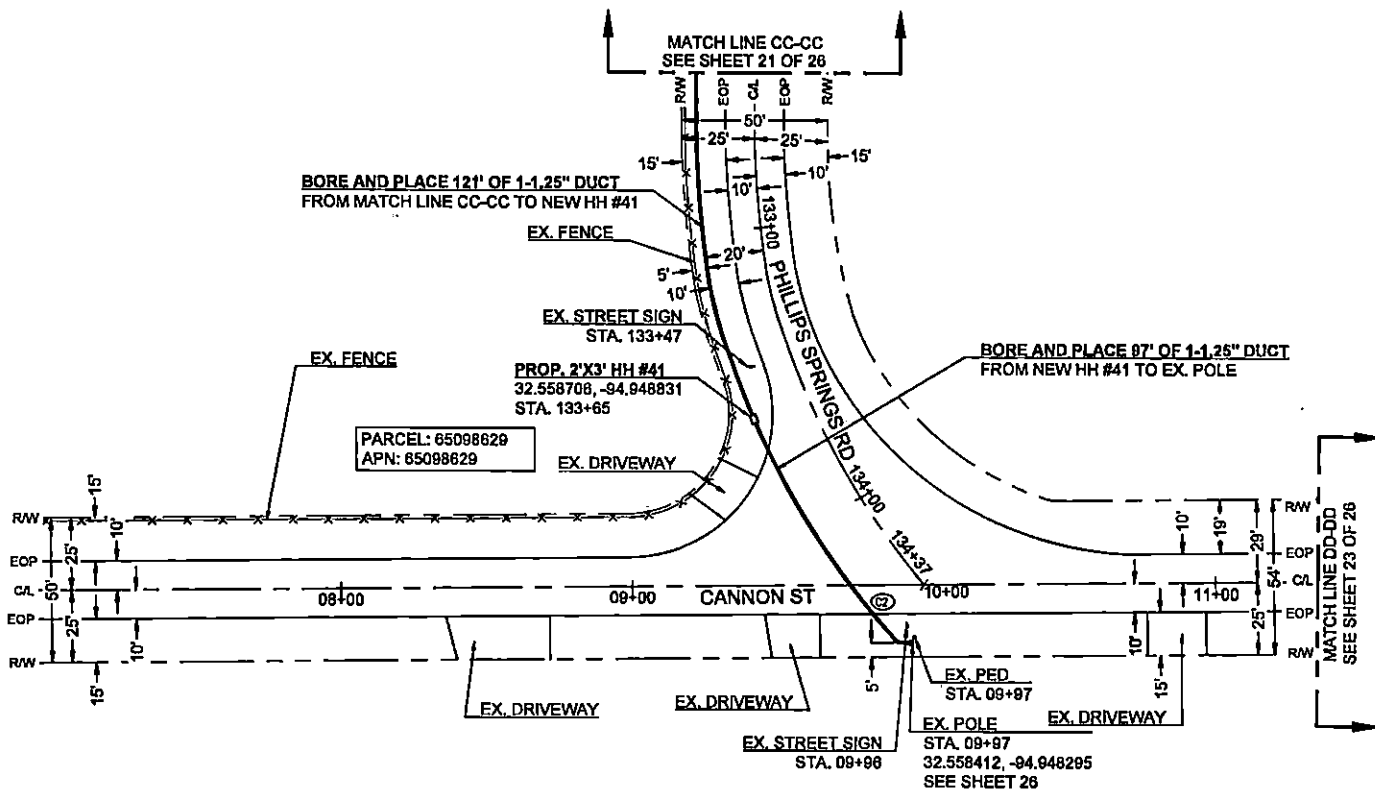


SCALE: 1"=40'

**Frontier**  
COMMUNICATIONS

|   |                     |
|---|---------------------|
| JOB ID: 5291557   | DATE: 04/29/2022    |
| TITLE: FDH - 1619 E LAKE DR   |                     |
| STREET ADDRESS: 1619 E LAKE DR  |                     |
| CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)  |                     |
| FTR ENGINEER: CORY RIGGS (310) 210-9882   |                     |
| FTR INSPECTOR: JAMES WEST (972) 578-3224  |                     |
| DRAWN BY: CHC CONSULTING  | EST. #:             |
| CHC CONSULTING<br>ENGINEERED BY:<br>CHC CONSULTING LTD<br>1000 WEST 10TH STREET, SUITE 100<br>SAN DIEGO, CA 92108 | SHEET#:<br>21 OF 26 |

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |
| C2    | 3'     | 3'     | 48°   |



Know what's below.  
Call before you dig. SCALE: 1"=40'



**Frontier COMMUNICATIONS**

JOB ID: 5291557 | DATE: 04/28/2022

TITLE: FDH - 1819 E LAKE DR

STREET ADDRESS: 1819 E LAKE DR

CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)

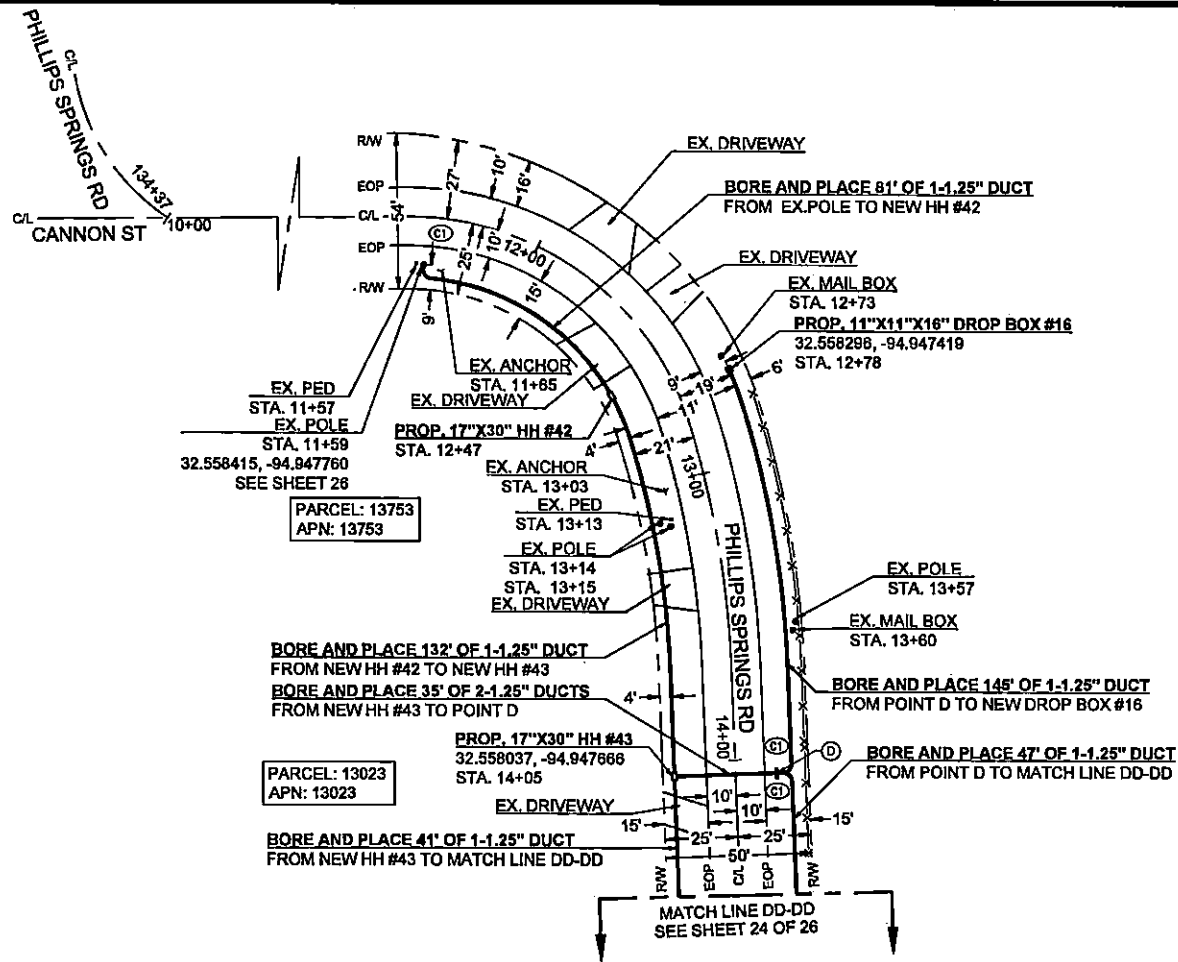
FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

DRAWN BY: CHC CONSULTING

EST. #: SHEET#: 22 OF 26

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |

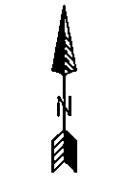


PARCEL: 13753  
 APN: 13753

PARCEL: 13023  
 APN: 13023



Know what's below.  
 Call before you dig.



SCALE: 1"=40'

**Frontier COMMUNICATIONS**

JOB ID: 6291557      DATE: 04/28/2022

TITLE: FDH - 1619 E LAKE DR

STREET ADDRESS: 1619 E LAKE DR

CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 678-3224

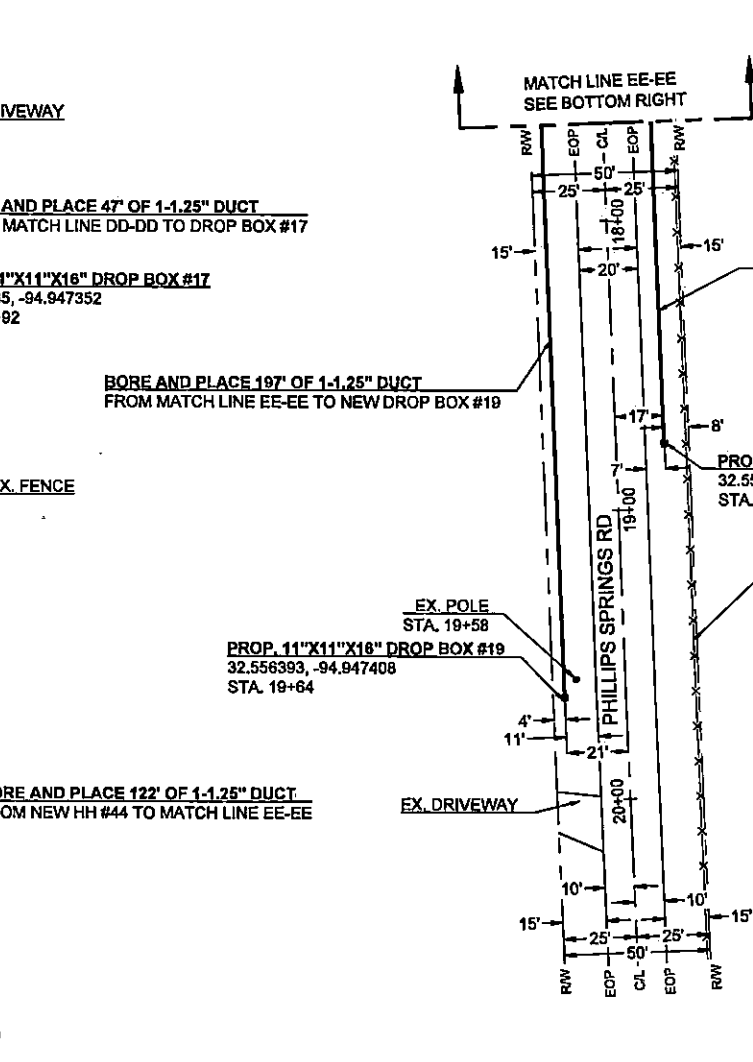
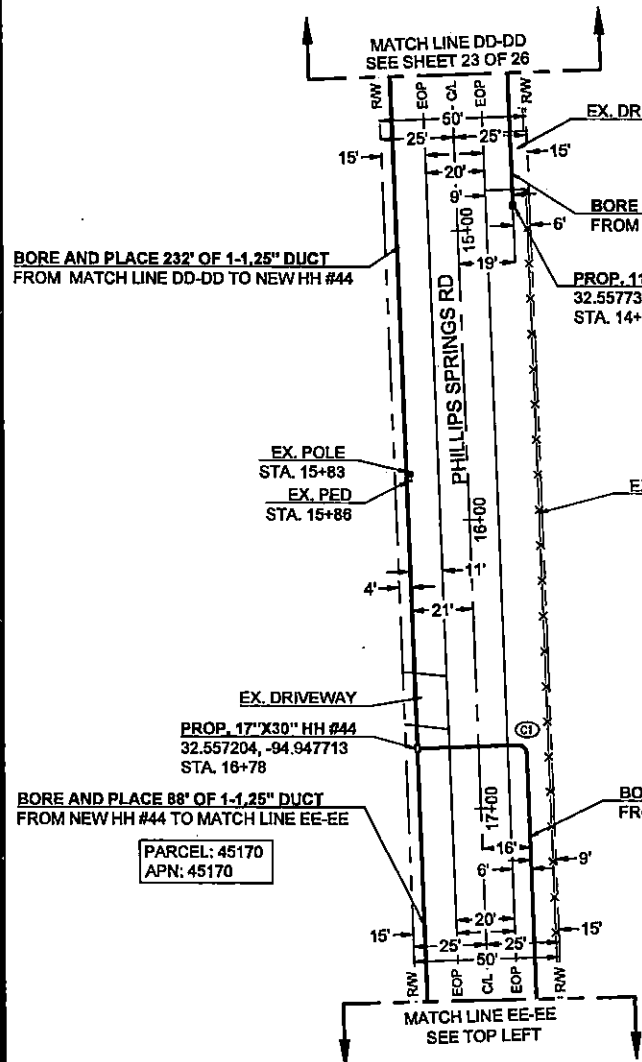
CHC CONSULTING  
 ENGINEERED BY:  
 CHC CONSULTING, LLC  
 2025 W. 54th STREET, SUITE 400  
 SAN DIEGO, CA 92118

DRAWN BY:  
 CHC CONSULTING

EST. #:

SHEET#:  
 23 OF 26

| CURVE | RADIUS | LENGTH | DELTA |
|-------|--------|--------|-------|
| C1    | 3'     | 5'     | 90°   |



Know what's below.  
Call before you dig. SCALE: 1"=40'



**Frontier COMMUNICATIONS**

JOB ID: 5281557      DATE: 04/28/2022

TITLE: FDH - 1819 E LAKE DR

STREET ADDRESS: 1819 E LAKE DR

CITY/STATE: GLADEWATER, TX 75847 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

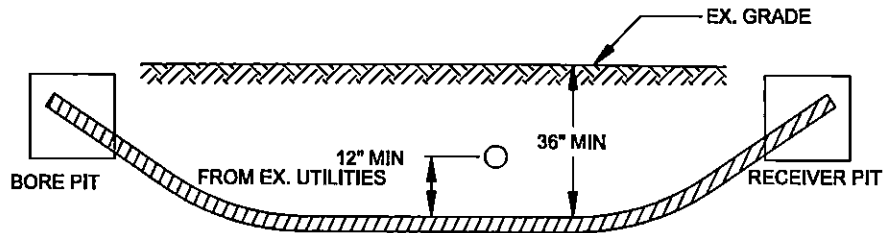
FTR INSPECTOR: JAMES WEST (972) 678-3224

DRAWN BY: CHC CONSULTING

ENGINEERED BY: CHC CONSULTING, L.L.C.  
2000 W. JANI SECOR DR. STE 400  
SAN DIEGO, CA 92108

EST. #:      SHEET#: 24 OF 26

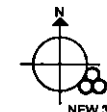
**MINIMUM STANDARDS FOR DIRECTIONAL BORING**



- 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

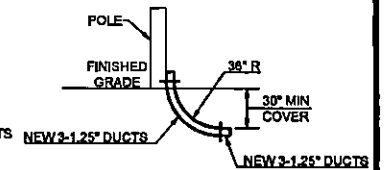
**PLAN VIEW**

EX. POLE  
STA. 115+65  
SEE SHEET 2



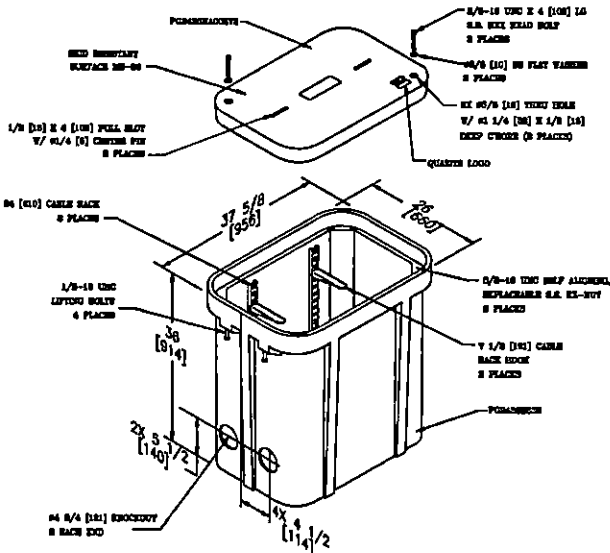
PL NEW 3-1.25\"/>

**ELEVATION**



**TYPICAL BORE DETAIL**

SCALE  
N.T.S. 1



**2' X 3' HAND HOLE**

SCALE  
N.T.S. 3

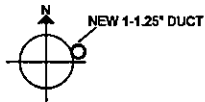
**TYPICAL RISER DETAIL**

SCALE  
N.T.S. 2

|   |  |                             |                             |
|---|--|-----------------------------|-----------------------------|
| JOB ID: 6281557   |  | DATE: 04/28/2022            |                             |
| TITLE: FDH - 1819 E LAKE DR   |  |                             |                             |
| STREET ADDRESS: 1819 E LAKE DR  |  |                             |                             |
| CITY/STATE: GLADEWATER, TX 76847 (UPSHUR COUNTY)                        |  |                             |                             |
| FTR ENGINEER: CORY RIGGS (310) 210-8882                                 |  |                             |                             |
| FTR INSPECTOR: JAMES WEST (872) 578-3224                                |  |                             |                             |
| CHC CONSULTING<br>408 N. SAN DIEGO AVE. STE. 800<br>SAN DIEGO, CA 92116 |  | DRAWN BY:<br>CHC CONSULTING |                             |
|   |  | EST. #:                     | SHEET #:<br><b>25 OF 26</b> |

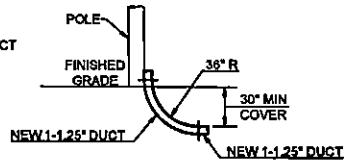
**PLAN VIEW**

EX. POLE  
STA. 09+35  
SEE SHEET 3



PL NEW 1-1.25" DUCT  
W/ MIN. 36" SWEEP

**ELEVATION**

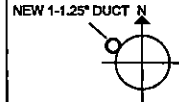


TYPICAL RISER DETAIL

SCALE  
N.T.S. 4

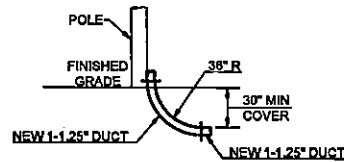
**PLAN VIEW**

EX. POLE  
STA. 09+87  
SEE SHEET 22



PL NEW 1-1.25" DUCT  
W/ MIN. 36" SWEEP

**ELEVATION**

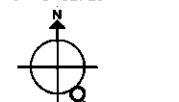


TYPICAL RISER DETAIL

SCALE  
N.T.S. 5

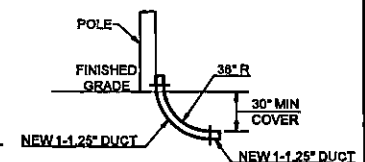
**PLAN VIEW**

EX. POLE  
STA. 11+59  
SEE SHEET 23



PL NEW 1-1.25" DUCT  
W/ MIN. 36" SWEEP

**ELEVATION**



TYPICAL RISER DETAIL

SCALE  
N.T.S. 6

**Frontier**  
COMMUNICATIONS

JOB ID: 5291557 | DATE: 04/28/2022

TITLE: FDH - 1618 E LAKE DR

STREET ADDRESS: 1618 E LAKE DR

CITY/STATE: GLADEWATER, TX 76847 (UPSHUR COUNTY)

FTR ENGINEER: CORY RIGGS (310) 210-9882

FTR INSPECTOR: JAMES WEST (972) 578-3224

ENGINEERED BY: CHC CONSULTING

CHC CONSULTING L.L.C.  
1708 MID HAW DR. SUITE 400  
SAN DIEGO, CA 92108

DRAWN BY: CHC CONSULTING

EST. #: SHEET#:  
26 OF 26

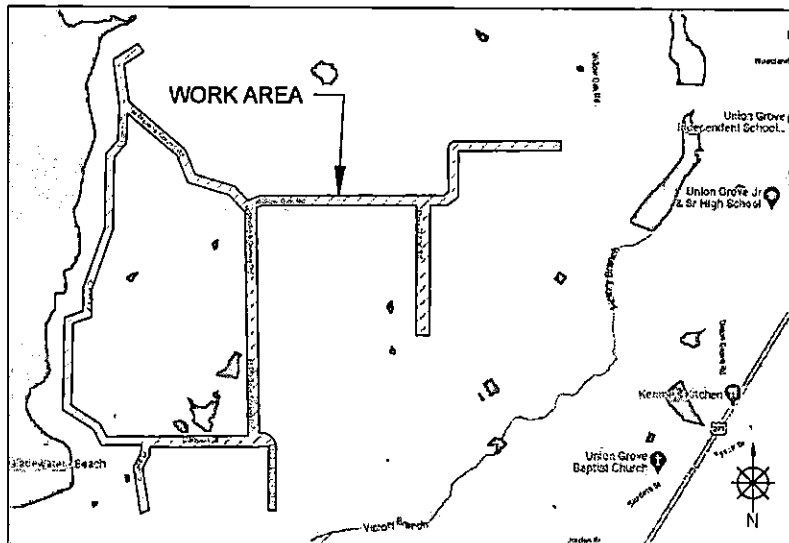


# Frontier

## TRAFFIC CONTROL PLAN

### JOB 5291557

BORING, AERIAL PL., CONCRETE PAD,  
 FDH CABINET PL., HH & DB ACCESS  
 1832 PHILLIPS SPRINGS RD.  
 GLADEWATER, TX.



#### TRAFFIC CONTROL PLAN GENERAL NOTES

1. FLAGS ATTACHED TO SIGNS WHERE SHOWN ARE OPTIONAL.
2. ALL TRAFFIC CONTROL DEVICES ILLUSTRATED ARE REQUIRED, EXCEPT THOSE DENOTED WITH THE TRIANGLE SYMBOL ARE OPTIONAL.
3. INACTIVE WORK VEHICLES OR OTHER EQUIPMENT SHOULD BE PARKED NEAR THE RIGHT-OF-WAY LINE AND NOT PARKED ON THE PAVED SHOULDER.
4. A SHADOW VEHICLE WITH A TMA SHOULD BE USED ANYTIME IT CAN BE POSITIONED 30 TO 100 FEET IN ADVANCE OF THE AREA OF CREW EXPOSURE WITHOUT ADVERSELY AFFECTING THE PERFORMANCE OR QUALITY OF THE WORK. IF WORKERS ARE NO LONGER PRESENT BUT ROAD OR WORK CONDITIONS REQUIRE THE TRAFFIC CONTROL TO REMAIN IN PLACE, TYPE 3 BARRICADES OR OTHER CHANNELIZING DEVICES MAY BE SUBSTITUTED FOR THE SHADOW VEHICLE AND TMA.
5. ADDITIONAL SHADOW VEHICLES WITH TMAS MAY BE POSITIONED OFF THE PAVED SURFACE, NEXT TO THOSE SHOWN IN ORDER TO PROTECT WIDER WORK SPACES.
6. CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD - LATEST EDITION WITH REVISIONS) DURING CONSTRUCTION.
7. CONTRACTOR TO CONTACT CITY OF PORT ARTHUR AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
8. RIGHT OF WAY WILL BE RESTORED TO EQUAL OR BETTER CONDITION WHEN CONSTRUCTION IS COMPLETED. BORE PITS SHALL BE KEPT AT LEAST 3' FROM THE ROAD.
9. NO TRAFFIC LANES WILL BE CLOSED DURING CONSTRUCTION. THERE WILL BE NO LANE CLOSURES IN THIS PROJECT.
10. CONSTRUCTION WILL LAST 1-2 DAYS.

| Product Speed * | Formule | Minimum Diameter Taper Lengths "L" |            |            | Suggested Maximum Spacing of Channelizing Devices |              | Minimum Sign Spacing "S" Distance | Suggested Longitudinal Buffer Space "B" |
|-----------------|---------|------------------------------------|------------|------------|---|--------------|-----------------------------------|---|
|                 |         | 12' Offset                         | 11' Offset | 12' Offset | On a Taper  | On a Thruway |                                   |   |
| 30              | LW      | 150'                               | 185'       | 182'       | 30'   | 30'          | 120'                              | 30'                                     |
| 35              |         | 200'                               | 225'       | 240'       | 35'   | 75'          | 180'                              | 120'                                    |
| 40              |         | 250'                               | 285'       | 320'       | 40'   | 80'          | 240'                              | 150'                                    |
| 45              | LW      | 300'                               | 335'       | 340'       | 45'   | 90'          | 300'                              | 150'                                    |
| 50              |         | 350'                               | 395'       | 400'       | 50'   | 100'         | 360'                              | 240'                                    |
| 55              |         | 400'                               | 445'       | 450'       | 60'   | 110'         | 420'                              | 290'                                    |
| 60              | LW      | 450'                               | 495'       | 500'       | 60'   | 120'         | 500'                              | 300'                                    |
| 65              |         | 500'                               | 545'       | 550'       | 60'   | 130'         | 600'                              | 350'                                    |
| 70              |         | 550'                               | 595'       | 600'       | 60'   | 140'         | 700'                              | 410'                                    |
| 75              | LW      | 600'                               | 645'       | 650'       | 70'   | 150'         | 800'                              | 470'                                    |
| 80              |         | 650'                               | 695'       | 700'       | 70'   | 160'         | 900'                              | 540'                                    |

\* Conventional Roads Only  
 \*\* Taper lengths have been rounded off.  
 L=Length of Taper (T) W=Width of Offset (T) S=Placed Spacing (P)

| LEGEND |                                      |  |  |
|--------|--------------------------------------|--|--|
|        | Type 3 Barricade                     |  | Channelizing Device                        |
|        | Heavy Work Vehicle                   |  | Truck Mounted Attenuator (TMA)             |
|        | Traffic Mounted Flashing Arrow Board |  | Permissible Changeable Message Sign (PCMS) |
|        | Sign                                 |  | Traffic Flow                               |
|        | Flag                                 |  | Flag                                       |

|   |                             |
|---|-----------------------------|
| DESIGNED BY:<br>PRASHANT THAKUR   | CHECKED BY:                 |
| DRAWN BY:<br>PRASHANT THAKUR  | RECOMMENDED BY:<br>FRONTIER |
| PLANS PREPARED BY:  |                             |
| <br><b>CHC</b><br>A CONGRUEX COMPANY<br>9095 Rio San Diego Dr, Ste 165<br>San Diego, CA 92108-1694<br>(949) 250-0004 / FAX (949) 250-0006 |                             |

FILED  
TERRI ROSS  
COUNTY CLERK

2022 JUL 29 PM 1:28

UPSHUR COUNTY, TX.

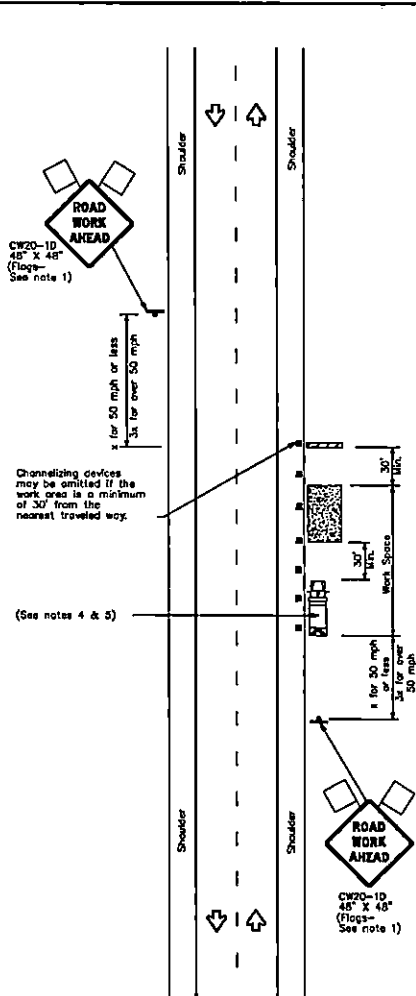
BY: [Signature] DEPUTY

TRAFFIC CONTROL PLAN SECTION SHALL BE COMPLETED BY  
ENGINEER

| ROADWAY               | POSTED SPEED | TAPER LENGTH | SPACING CHANNELIZING DEVICES TAPER TANGENT | SEMI SPACING | BUFFER SPACE |
|-----------------------|--------------|--------------|--|--------------|--------------|
| N PHILLIPS SPRING RD. | 30 MPH       | NA           | NA   | NA           | 120'         |
| WILLOW OAK RD.        | 30 MPH       | NA           | NA   | NA           | 120'         |
| E LAKE CIL.           | 30 MPH       | NA           | NA   | NA           | 120'         |
| CANNON BL.            | 30 MPH       | NA           | NA   | NA           | 120'         |
| PINE RIDGE RD.        | 30 MPH       | NA           | NA   | NA           | 120'         |

REMARKS: The use of this document is governed by the Texas Engineering Practice Act. The engineer or any other person who uses this document for any purpose other than that intended by the engineer or any other person who prepared it shall assume all responsibility for the consequences of this standard to other formulae or for incorrect results or damages resulting from its use.

DATE: 04/29/2022  
FILE: TCP(2-1a)



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

| Posted Speed # | Formula     | Minimum Desirable Taper Lengths #' |            |            | Suggested Maximum Spacing of Channelizing Devices |              | Minimum Sign Spacing "X" Distance | Suggested Longitudinal Buffer Space '3' |
|----------------|-------------|------------------------------------|------------|------------|---|--------------|-----------------------------------|---|
|                |             | 10' Offset                         | 11' Offset | 12' Offset | On a Taper  | On a Tangent |                                   |   |
| 30             | L = WS / 60 | 150'                               | 185'       | 180'       | 30'   | 60'          | 120'                              | 90'                                     |
| 35             |             | 205'                               | 225'       | 245'       | 35'   | 70'          | 150'                              | 120'                                    |
| 40             |             | 285'                               | 285'       | 320'       | 40'   | 80'          | 240'                              | 155'                                    |
| 45             | L = WS      | 450'                               | 490'       | 540'       | 45'   | 90'          | 320'                              | 195'                                    |
| 50             |             | 500'                               | 550'       | 600'       | 50'   | 100'         | 400'                              | 240'                                    |
| 55             |             | 550'                               | 605'       | 660'       | 55'   | 110'         | 500'                              | 295'                                    |
| 60             |             | 600'                               | 660'       | 720'       | 60'   | 120'         | 600'                              | 350'                                    |
| 65             |             | 650'                               | 715'       | 780'       | 65'   | 130'         | 700'                              | 410'                                    |
| 70             |             | 700'                               | 770'       | 840'       | 70'   | 140'         | 800'                              | 475'                                    |
| 75             |             | 750'                               | 825'       | 900'       | 75'   | 150'         | 900'                              | 540'                                    |

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

| MODEL | 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 may be omitted when stated in the plans, or for routine maintenance work, when approved by the Engineer.
- Stockpiled material 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 area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect a wider work space.
- See TCP(2-1) 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.
- CP21-5 "SHOULDER WORK" signs may be used in place of CP20-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.



TRAFFIC CONTROL PLAN  
CONVENTIONAL ROAD  
SHOULDER WORK

TCP(2-1a)

| REV | DATE       | BY          | CHK | APP |
|-----|------------|-------------|-----|-----|
| 1   | 04/29/2022 | [Signature] |     |     |

Frontier

PLACE STAMP HERE

SIGNATURE  
DESIGNED BY: [Signature] CHECKED BY:  
DRAWN BY: [Signature] RECOMMENDED BY:  
FRASHER TONGER FRONTIER

CHC  
A COMPANY COMPANY  
9085 Rio San Diego Dr. Ste 183  
San Diego, CA 92108-1894  
(619) 250-0004 / FAX (619) 250-0000

FIELDER:

DATE:

ENGINEER:

DATE: 05/04/22

REVISIONS

| NO. | REV.           | DESCRIPTION | DATE     | BY   |
|-----|----------------|-------------|----------|------|
| 0   | INITIAL DESIGN |             | 05/04/22 | P.T. |

AREA:

1832 PHILLIPS SPRING RD.  
GLADEWATER, TX

LOCATION:  
GLADEWATER, TX

WIRE CENTER:  
N/A

GEOGRAPHIC EXTENTS:

TITLE:  
S291557  
PR-163313

SHEET: 1  
OF: 1