



Sabine County  
 P.O. Box 716  
 201 Main Street  
 Hemphill, TX 75948  
 409-787-3543

**PIPELINE ROAD CROSSING APPLICATION**

To be completed by any entity intending to bore and/or drill across any Sabine County Road

Date: 6-20-2023 Pct. # 4 Permit # 23-1

Name of Entity: C6 Operating LLC

Address: PO Box 159 Keatchie, La 71046

Phone: 318-697-5551

Property owner name: Author&Carol Lister/Katheryn Burrow

County Road: Windcrest Dr

Activity (boring and/or drilling): HDD

Dates: From: 7-5-2023 To: 8-30-2023

Companies using permit: Alpha Construction / Raymond Construction

It is expressly understood that Sabine County, Texas does not purport hereby to grant any right, claim, title or easement in or upon the county road.

C6 Operating LLC successors and assigns shall hold harmless and indemnify Sabine County, Texas and the Commissioners Court of Sabine County, Texas against and all damages to property or injuries to persons, including the legal defense thereof, caused in whole or in part, by the proposed construction. Further, by submission of the application, C6 Operating LLC

successors and assigns, agrees to make changes and alterations to the pipeline as may be required in connection with alteration, paving or relocation of any public or county road, without cost to Sabine County, Texas.

Applicant holder is responsible for liability as to damages of whatever to the road bed, road surface, trees, structures, culverts, signs, bridges, fences, right-of-way, etc., that may result from said boring and/or drilling across county road.

1. Depth requirement of top of pipe to bottom of bar ditch shall be sixty inches.
2. New rock/gravel shall be installed over road where traffic and equipment involved with pipeline crossing.

All county roads are subject to closure to all heavy truck traffic or other equipment utilized by permit-holder without notice, if in the opinion of a County Commissioner, the County Judge and/or Sheriff that the road is being severely damaged by such traffic. Such closure may continue indefinitely and all unauthorized use will be considered criminal.

*Transportation Code 251.160 Liability of Owner or Operator for Road Damage*

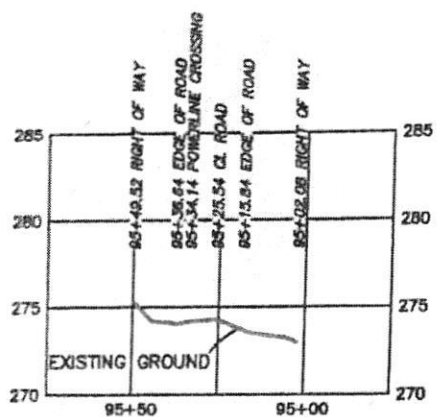
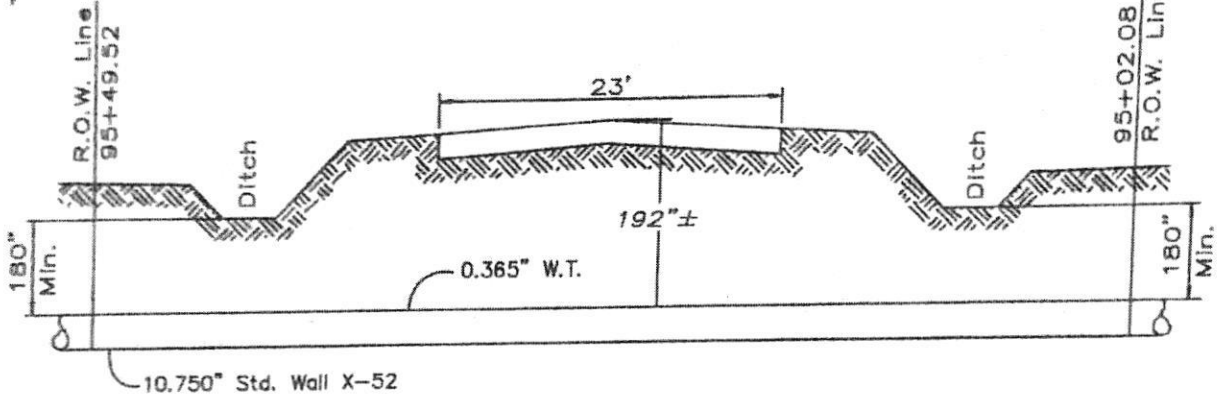
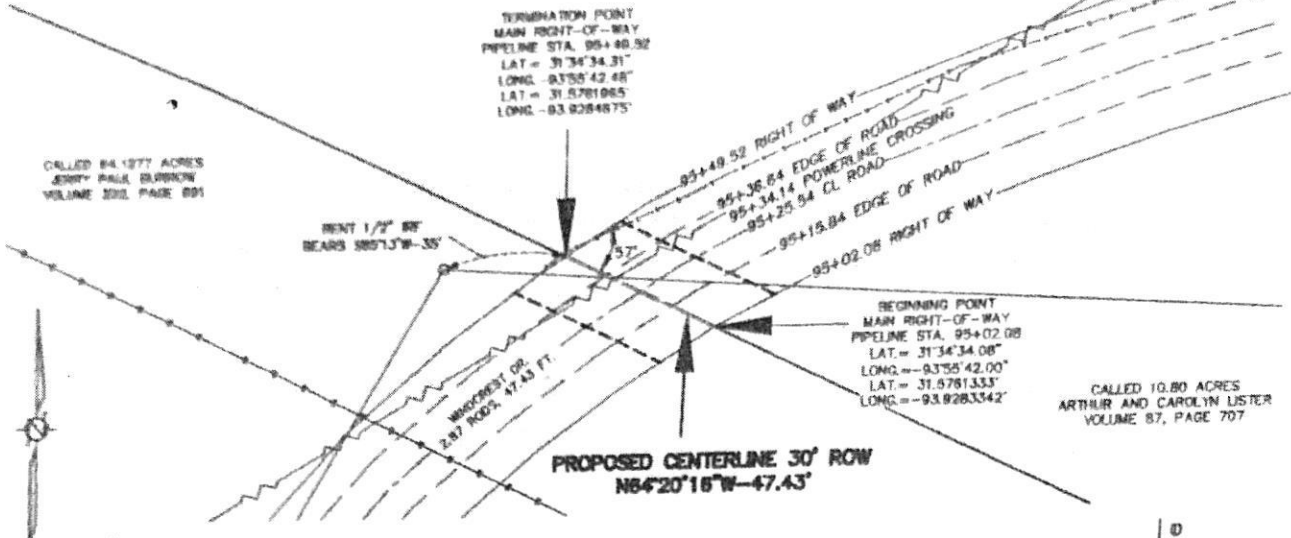
This form must be with the drivers in each of the trucks that your company has permitted. This form should be available for inspection upon request.

Application Signature: [Signature] Issued this 10 day of July, 2023.

Commissioner Signature: [Signature]

- |   |                     |
|---|---------------------|
| <b>Pct. 1 Commissioner Brent Cox</b>      | <b>936-288-6189</b> |
| <b>Pct. 2 Commissioner Jimmy McDaniel</b> | <b>936-288-6697</b> |
| <b>Pct. 3 Commissioner Stanley Jacks</b>  | <b>936-288-6698</b> |
| <b>Pct. 4 Commissioner James Lowe</b>     | <b>936-288-6693</b> |
| <b>Emg.Mgt Coordinator David Roach</b>    | <b>936-201-7071</b> |

**R. HAILEY SURVEY  
A-118**



BEARINGS, COORDINATES AND ELEVATIONS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83 DATUM (CENTRAL ZONE) DERIVED FROM GPS OBSERVATIONS.  
 THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY. BOUNDARY LINES ARE BASED ON RECORD INFORMATION AND APPRAISAL MAPS.  
 NO GUARANTEE IS GIVEN OR IMPLIED BY E.L.S. SURVEYING & MAPPING, INC. AS TO THE EXACT LOCATION OF EXISTING PIPELINES OR UNDERGROUND UTILITIES. ALSO THERE IS NO GUARANTEE GIVEN OR IMPLIED THAT WE HAVE LOCATED ALL EXISTING PIPELINES OR UNDERGROUND UTILITIES.  
 PROPOSED CENTERLINE IS BASED ON AN ACTUAL ON THE GROUND SURVEY PERFORMED UNDER MY SUPERVISION ON 3/27/2023.

05-16-2023 10:32:33-05:00

Vertical Scale = 1 : 10  
 Horizontal Scale = 1 : 50

**STEEL CARRIER PIPE**  
 PIPE DESCRIPTION: 10.750" 0.365 Wall X-52  
 COATING: ARO 30 mil  
 TEST PRESS: 2160 psi  
 NORMAL OPER. PRESS: 1100 psi  
 DESIGN PRESS: 1440 psi  
 SYSTEM MAOP: 1440 psi  
 CATHODIC PROTECTION: Anodes  
 METHOD OF INSTALLATION: Slick Bore

<b>C6 OPERATING, L.L.C.</b>	
Revisions	Project:  <b>POLLEY 7 TO CREST PROJECT PROPOSED PIPELINE CROSSING ON WINDCREST DR.</b>
Drawn By ECJ	Date: 5/16/2023 <span style="float: right;">AFE#</span>
Page 1 of 1	SABINE COUNTY, TEXAS 21072 FM 2493, Bulford, Texas 75757 E.L.S. SURVEYING & MAPPING INC. (903) 581-7759 TSPS 78th No. 100327-00 www.elsurveying.com
Checked By PM	 1" = 50'

Exhibit A

High Pressure Pipeline – at or above 60 PSI

NOTE: TXDOT has established a safety minimum for Barlow formulas. The Design Pressure (P) is required to be as close to 10% over the Maximum Operating Pressure/MAOP as possible. The Design Pressure can be greater than the 10%.  
Barlow

CARRIER PIPE

- 1. Outside Diameter in. (D) 10.750
- 2. Wall Thickness in. (t) 0.365
- 3. Material Specifications API 5L
- 4. Minimum Yield Strength (S) 52,000
- 5. Design Factor (F) 0.6
- 6. Longitudinal/Seam Joint Factor (E) 1.0
- 7. Temperature Derating Factor (T) 1.0
- 8. Max. Operating Pressure/MAOP 1990
- 9. Design Pressure (P) 2,118 psi

CASING PIPE

- 1. Outside Diameter in. \_\_\_\_\_
- 2. Wall Thickness in. \_\_\_\_\_
- 3. Material Specifications \_\_\_\_\_
- 4. Minimum Yield Strength \_\_\_\_\_

The pipeline material and design must meet minimum Federal Safety Standards stated in 49 CFR:

Gas Pipeline Part 192 subpart C  
 $P = ((2 \times S \times (t/D)) \times F \times E \times T)$   
 Design Factor (F): See § 192.111  
 Longitudinal Joint Factor (E): See § 192.113  
 Temperature Derating Factor (T): See § 192.115

Liquid Pipeline Part 195 subpart C  
 $P = ((2 \times S \times (t/D)) \times E \times F)$   
 Steam Joint Factor (E): See § 195.106  
 Design Factor (F): See § 195.106

Place Calculation Below

$$P = ((2 \times S \times (t/D)) \times F \times E \times T)$$

$$P = ((2 \times 52,000 \text{ psi} \times (\frac{0.365 \text{ in}}{10.750 \text{ in}})) \times 0.6 \times 1.0 \times 1.0)$$

$$P = 2,118 \text{ psi}$$



*[Handwritten Signature]* 9/8/22  
 \_\_\_\_\_  
 Engineer's Signature      Date