

# Las Animas County Cattle Guard Permit (2016-03)

<b>APPLICATION STATUS: (to be completed by County)</b>	Permit # _____
Date of Application: _____ Received By: _____	
Estimated Construction: Start: _____ Complete: _____	
<b>APPROVAL:</b> You must contact _____, County Road & Bridge (719) _____ before construction begins and after construction ends. Approval is subject to the final inspection by the district foreman or the authorized permitting authority.	
<b>APPLICANT/CONTRACTOR AND OWNER INFORMATION: (to be completed by applicant)</b>	
Applicant/Contractor Name: _____	Land Owner Name: _____
Address: _____	Address: _____
City: _____ State: _____ Zip: _____	City: _____ State _____ Zip _____
Telephone: _____	Telephone: _____

## CATTLE GUARD AGREEMENT

Location (county road -- attach map): \_\_\_\_\_

Township: \_\_\_\_\_ Range: \_\_\_\_\_ Section: \_\_\_\_\_

**It is understood:** The attached specifications for building the cattle guard are adhered to, as well as specs for the sub-structures and installation of cattle guards. Las Animas County will maintain all cattle guards on county roads subsequent to the final inspection.

### Fee Schedule

- County provide cattle guard, concrete sub structures and installation \$3,500
    - Cattle guard only: \$1,984
      - Hauled to site \$.50/ mile one way
    - Concrete only: \$950
      - Hauled to site \$.50/mile one way
    - County install applicant provided cattle guard (new install not replacement): \$750
  - All other prices available upon request
  - If applicant does the installation the following needs to be adhered to:
    - A Traffic Control Plan, developed by a certified traffic control supervisor, must be submitted for all work performed within County road rights-of-way, or that will directly affect the travelling public. All warning signs etc. used within the County right of way must be in conformance with all applicable portions of the latest edition of the Manual on Uniform Traffic Control Devices.
    - Applicant shall be responsible for any damage and associated repairs to the County Road and utilities!
  - This permit is not valid until it is signed by a duly authorized representative of Las Animas County
- Colorado State Law requires that anyone who engages in any type of excavation must notify underground facility owners.

### CERTIFICATION BY APPLICANT:

I hereby state that this application is made with full knowledge of the design standards, procedures, Federal, State and Local regulations and other provisions applicable to this application:

Signature of Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

Approved  Denied Paid in full

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Approved  Denied Commence with construction

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Approved  Denied During construction inspection

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

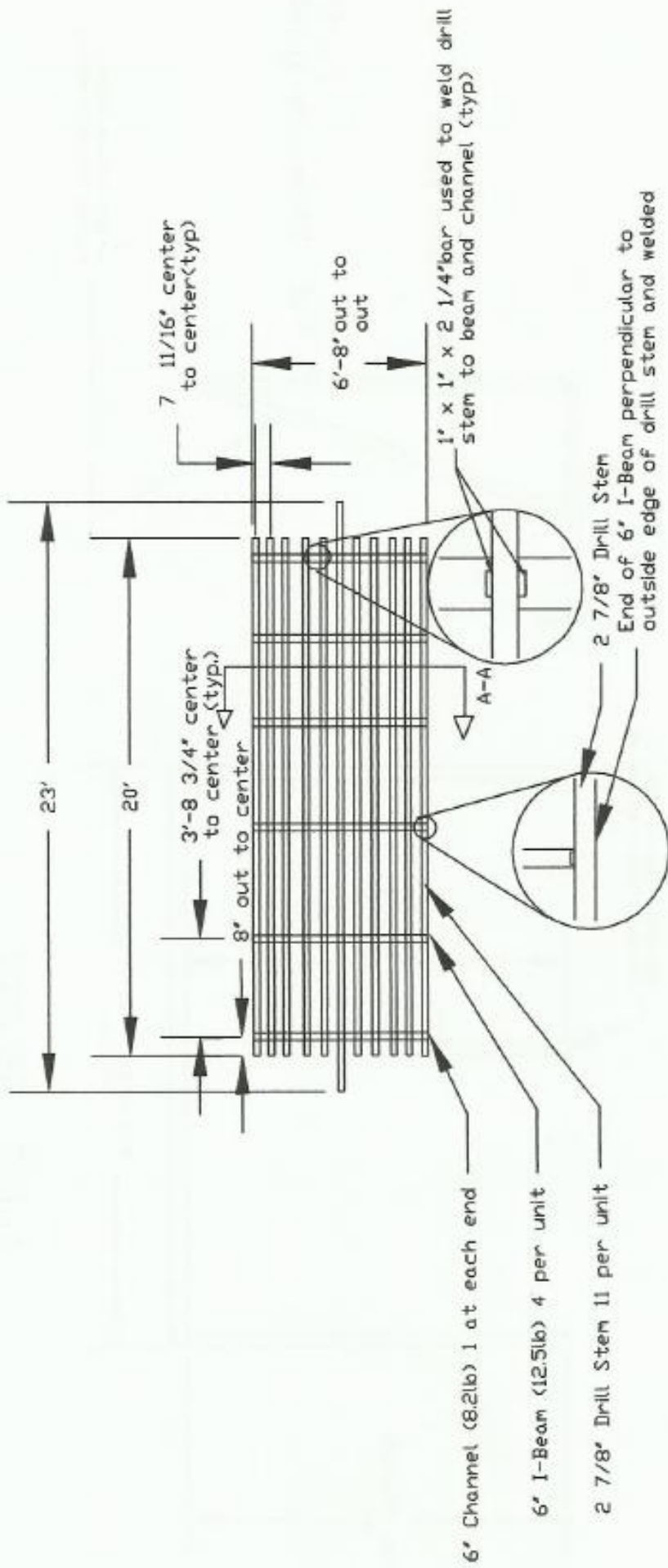
Approved  Denied Post construction inspection

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

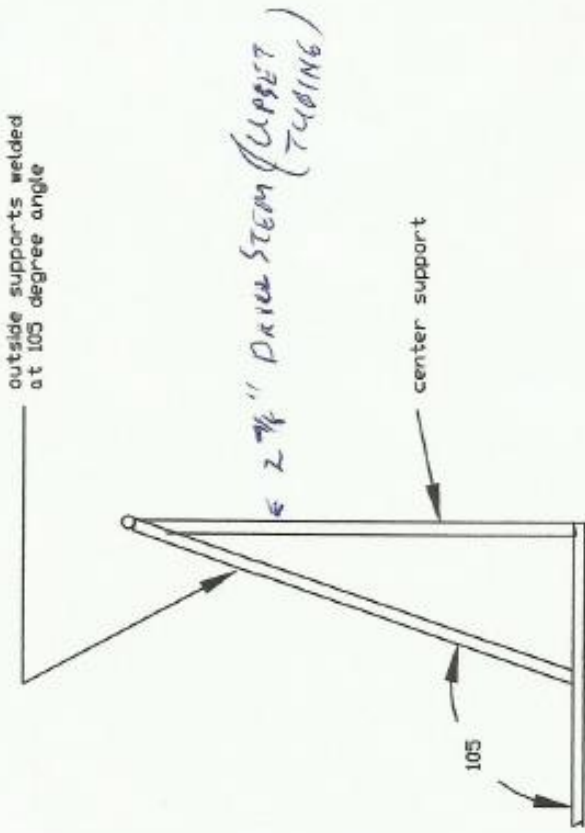
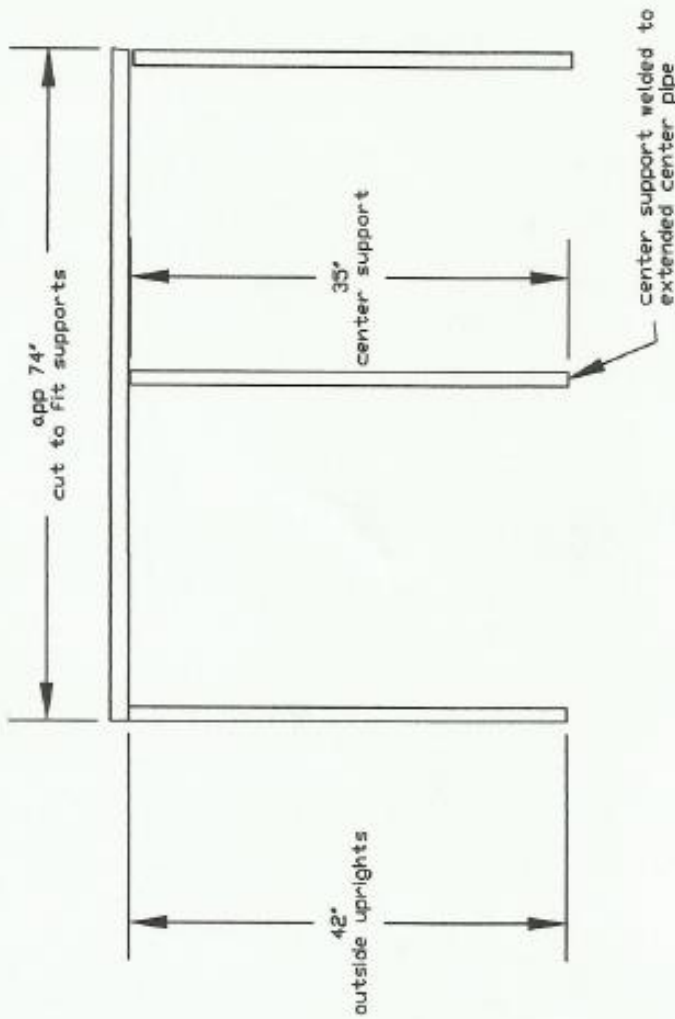
### Make checks payable to: Las Animas County

Send permit application and payment to:

Las Animas County Road and Bridge Dept (or email to [lasanimascounty@gmail.com](mailto:lasanimascounty@gmail.com))  
2000 N Linden Ave  
Trinidad CO 81082



# Wing Detail



flat: wing uprights welded to it (typ)



A-A  
not to scale

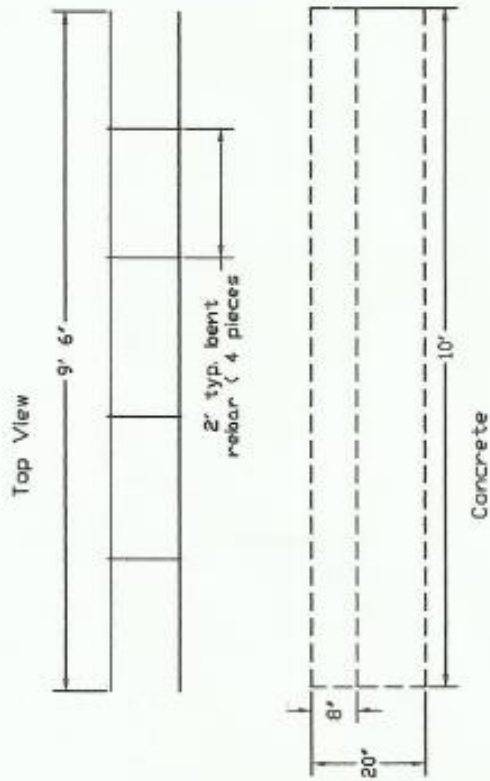
Bill of Material for guard without wings  
4 I beam  
2 channel  
11 drill stem  
Hot rolled 1 1/2 stick (20') of 1" x 1" bar  
1 box of 7018 x 1/8" welding rod contains  
appr. 500 rods

Cost/cg  
concrete 3.5cy @ \$110/yd = \$385  
I beam 6" 4 @ 6' 8" @ \$6.58/ft = \$176  
Channel 6" 2 @ 6' 8" @ \$4.92/ft = \$66  
1 x 1/2 bar 30' @ \$1.90/ft = \$57  
Drill Stem 10 @ 20' & 1 @ 30' @ \$1.75 ea = \$403  
Wings

Steel for 3 cg 4 20' 6" beams 12?  
2 20' 6" channel 8.7  
33 30' 2 7/8" drill stem  
6 20' sticks 1" x 1" bar  
180' of sucker rod 3/4 or 1" or  
100' drill stem for wings

2 7/8" drill stem 2 pcs 42'  
1 pc 35'  
1 pc app 80' = 13' x 2 = 27' @ 1.75/ft = \$48  
total \$1135/cg  
labor 4 empl 8 hrs ea cut and weld @ 20.25/hr = \$648  
20% overhead = \$130 total \$1913 use \$2000

# Concrete Sub Structures (4 per guard)



Cross Section View

