CATTLE GUARD TYPE A

1. Ensure that cattle guard meets the requirements of Section 611 - Cattle Guards of the Standard Specifications for Highway Construction.

2. Ensure that the exposed steel surfaces are blasted clean to an SSPC SP-10 and painted with paint system A in accordance with Section 627 - Painting of the Standard Specifications for Highway Construction.

3. Ensure that the cattle guard and supports are designed for HS-25 loading. Ensure that the elastomeric bearing pads are 50 durometer in hardness.

4. Place the cattle guard on base aggregate, 3" minimum thickness over hand leveled soil, compacted to 95% density.

5. Use the cattle guard hardware fasteners.

6. Grade to draw.

7. Place the cattle guard to match the roadway slope, crown, or both.

8. Alternate cattle guard designs may be used, prior approval by the engineer of shop drawings is required for the use of alternate cattle guards.

9. Not to scale.

NOTES

1. ENSURE THAT CATTLE GUARD MEETS THE REQUIREMENTS OF SECTION 611 - CATTLE GUARDS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

2. ENSURE THAT THE EXPOSED STEEL SURFACES ARE BLASTED CLEAN TO AN SSPC SP-10 AND PAINTED WITH PAINT SYSTEM A IN ACCORDANCE WITH SECTION 627 - PAINTING OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

3. ENSURE THAT THE CATTLE GUARD AND SUPPORTS ARE DESIGNED FOR HS-25 LOADING. ENSURE THAT THE ELASTOMERIC BEARING PADS ARE 50 DUROMETER IN HARDNESS.

4. PLACE THE CATTLE GUARD ON BASE AGGREGATE, 3" MINIMUM THICKNESS OVER HAND LEVELLED SOIL, COMPACTED TO 95% DENSITY.

5. USE THE CATTLE GUARD HARDWARE FASTENERS.

6. GRADE TO DRAW.

7. PLACE THE CATTLE GUARD TO MATCH THE ROADWAY SLOPE, CROWN, OR BOTH.

8. ALTERNATE CATTLE GUARD DESIGNS MAY BE USED, PRIOR APPROVAL BY THE ENGINEER OF SHOP DRAWINGS IS REQUIRED FOR THE USE OF ALTERNATE CATTLE GUARDS.

9. NOT TO SCALE.