HEAVY EQUIPMENT TIRE TROUGH

COOPERATOR: ____________________
LOCATION: ____________________

CONCRETE PLUG – SEE DETAIL BELOW

OUTSIDE TIRE TREAD

GRASS APRON

DIA. = __"  5'-0" MIN.

HALF PLAN VIEW
NO SCALE

DOUBLE ELBOW WITH
1/4" HOLE ON TOP

STANDARD UNION, NOT CEMENTED

8" MAX.

COARSE GRAVEL

GROUND

GRADE TO DRAIN

12" MIN.

INFLOW PIPE

DRAIN PIPE TO FREE OUTLET

SECTION
NO SCALE

NOTES
1. ALL PIPE IN AND UNDER THE TROUGH SHALL BE PVC OR GALV. STEEL.
2. ALT. METHODS OF INSTALLING INLET AND OUTLET PIPE ARE ACCEPTABLE.
3. 8" REINFORCED CONCRETE MAY BE USED IN PLACE OF GRAVEL FOR APRON.

<table>
<thead>
<tr>
<th>TIRE DETAILS</th>
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<tbody>
<tr>
<td>DIA. FT.</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>8</td>
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<tr>
<td>10</td>
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CONCRETE PLUG DETAIL
NO SCALE

# 3 BARS a" LONG
12" C-C EACH WAY
AT CENTER OF PLUG

NRCS
Natural Resources Conservation Service
United States Department of Agriculture

HEAVY EQUIPMENT TIRE TROUGH
(REVISED LAST ON 10-09)

Date
File Name
Designed: RLC, JEM 10-91
CO-SSP-3A

Drawn: DDD 8-08
Drawing Name

Checked

Approved: L.E. ANDREWS 10-09
S.C.F.

Sheet 1 of 2
CATTLE GUARD POSTS TO BE 4" DIA. WOOD OR 1-1/2" DIA. GALV. STEEL PIPE. 
SET POST 3 FT. BELOW ORIGINAL GROUND LINE. 
GUARD RAIL IS TO BE 2" x 8" WOODEN PLANK BOLTED TO THE POST.

### MATERIAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>TYPE</th>
<th>APPLICABLE SPECIFICATIONS</th>
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<tbody>
<tr>
<td>PVC PIPE AND FITTINGS</td>
<td>SCHED. 80</td>
</tr>
<tr>
<td></td>
<td>ASTM C-1785</td>
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<tr>
<td></td>
<td>ASTM D-2484</td>
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<tr>
<td></td>
<td>ASTM D-2467</td>
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<tr>
<td>STEEL PIPE</td>
<td>GALV.</td>
</tr>
<tr>
<td></td>
<td>ASTM A-120</td>
</tr>
<tr>
<td>CEMENT</td>
<td>II OR IIA</td>
</tr>
<tr>
<td></td>
<td>ASTM C-150</td>
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<tr>
<td>CONCRETE AGGREGATE</td>
<td>FINE</td>
</tr>
<tr>
<td></td>
<td>ASTM C-33 - SAND</td>
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<tr>
<td></td>
<td>ASTM C-33 - 3/4&quot; MAX. SIZE</td>
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</table>

IT IS THE RESPONSIBILITY OF THE LANDOWNER/OPERATOR TO DETERMINE THE PRESENCE OF TOXIC CHEMICALS IN THE TIRE AND TAKE ALL NEEDED ACTION TO PROTECT THE HEALTH OF THE LIVESTOCK.

OPERATOR SHOULD BE CAUTIONED ABOUT INGESTION OF RUBBER BY HORSES.

I HAVE REVIEWED THE PLANS AND SPECIFICATIONS AND AGREE TO CONSTRUCT THE PROJECT TO THE BEST OF MY ABILITY IN ACCORDANCE WITH THEM.