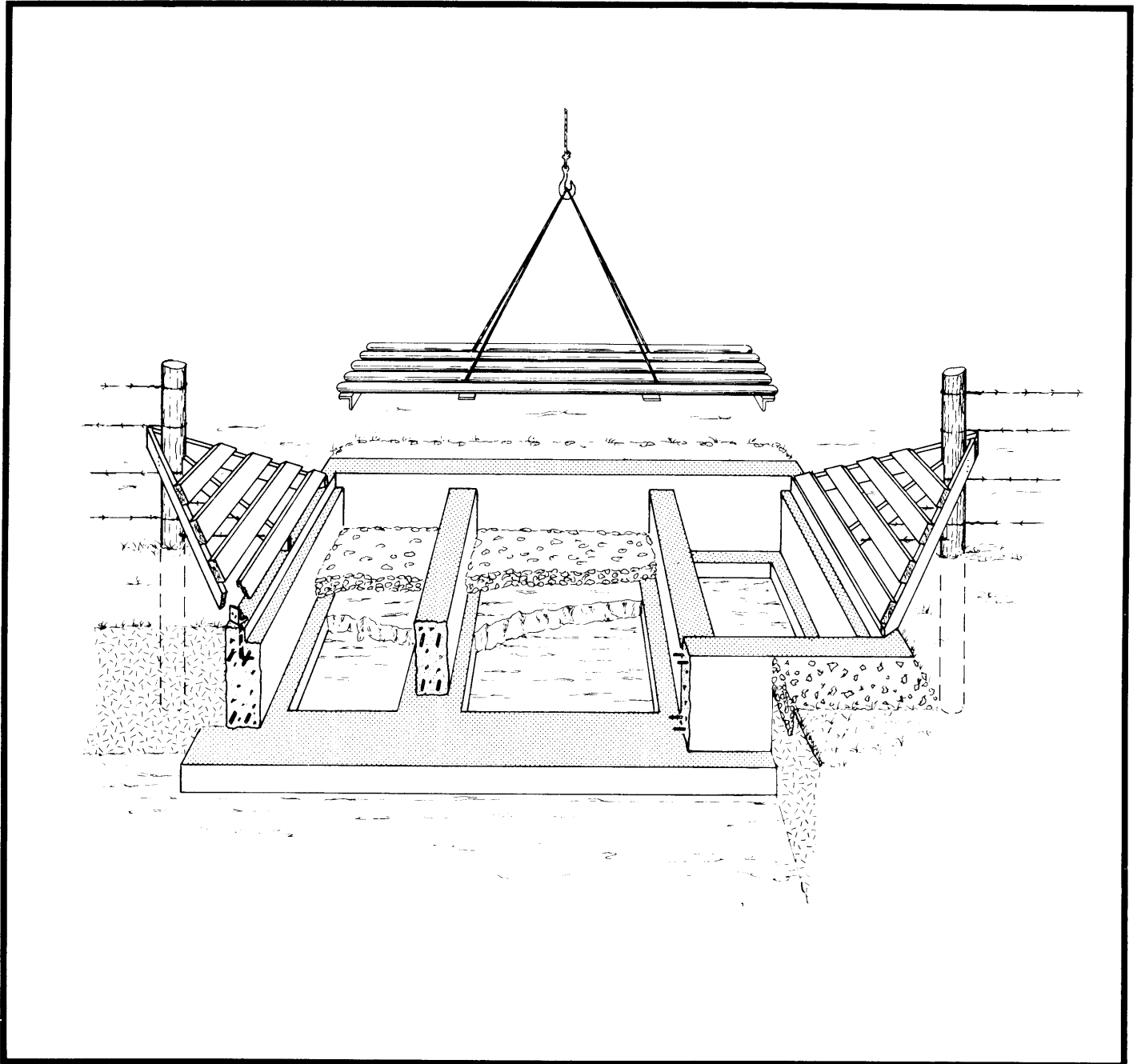


TEXAS GATE (VEHICLE PASS)



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PLAN M-8362 NEW 81:04

The Texas Gate, also called a Vehicle Pass, is a very convenient way to confine livestock but allow tractors, trucks and cars to pass through a feedlot or field fence. Rubber-tired wheels roll easy across the grid (spaced steel pipes) but cattle, sheep and horses will shun the round smooth piping over a pit. For cattle control at field openings, this vehicle pass is adequate as shown. However, if used at the entrance to a feedlot, add a swing gate at the feedlot side of the pipe grid to prevent animals from being accidentally crowded onto the pipes.

The pipe grids are shown 3.6 m wide, with outward sloped triangular fence barriers at each side of the grids that allow passage of farm machines with transport width slightly over 3.6 m. The sloped barriers also help discourage livestock from stepping across where the grid meets the fence. The width of the vehicle pass can be increased or decreased to suit the roadway, provided the supporting walls are re-spaced to provide equivalent support for the heaviest wheel traffic expected.

The supporting walls for the pit and pipe grid are 200 mm thick reinforced concrete. These walls should bear on firm undisturbed soil, and backfill around the outside should be thoroughly compacted to minimize settlement which causes bumping when traffic passes over.

- 1 400 x 200 mm footing
- 2 200 mm thick perimeter and support walls, 2-10M rebars at top and 2-10M rebars at bottom, 40 mm min. concrete cover
- 3 100 x 75 mm recess for 5
- 4 typical removable pipe grating unit, 3 required
- 5 3" extra strong pipe a 3575 mm long, 5 per unit, welded to 7 and 8 @ a 150 mm oc
- 6 6 x 75 x 75 mm steel angle 750 mm long locate to fit on end recessed wall, weld to
- 7 6 x 75 mm flat steel bar locate to fit on support wall and weld to 6
- 8 M8 x 300 mm anchor bolts, with 6 x 75 x 75 mm steel angle, 6 required
- 9 150 mm dia x 2400 mm pressure treated fence post, 900 mm into ground
- 10 38 x 140 mm slats, 38 x 89 mm braces, anchored to wall with 8 and nailed to post 9, underside closed with barbed wire
- 11 150 mm gravel bed

