



Saskatchewan  
Agriculture  
and Food

Agricultural  
Engineering  
Branch

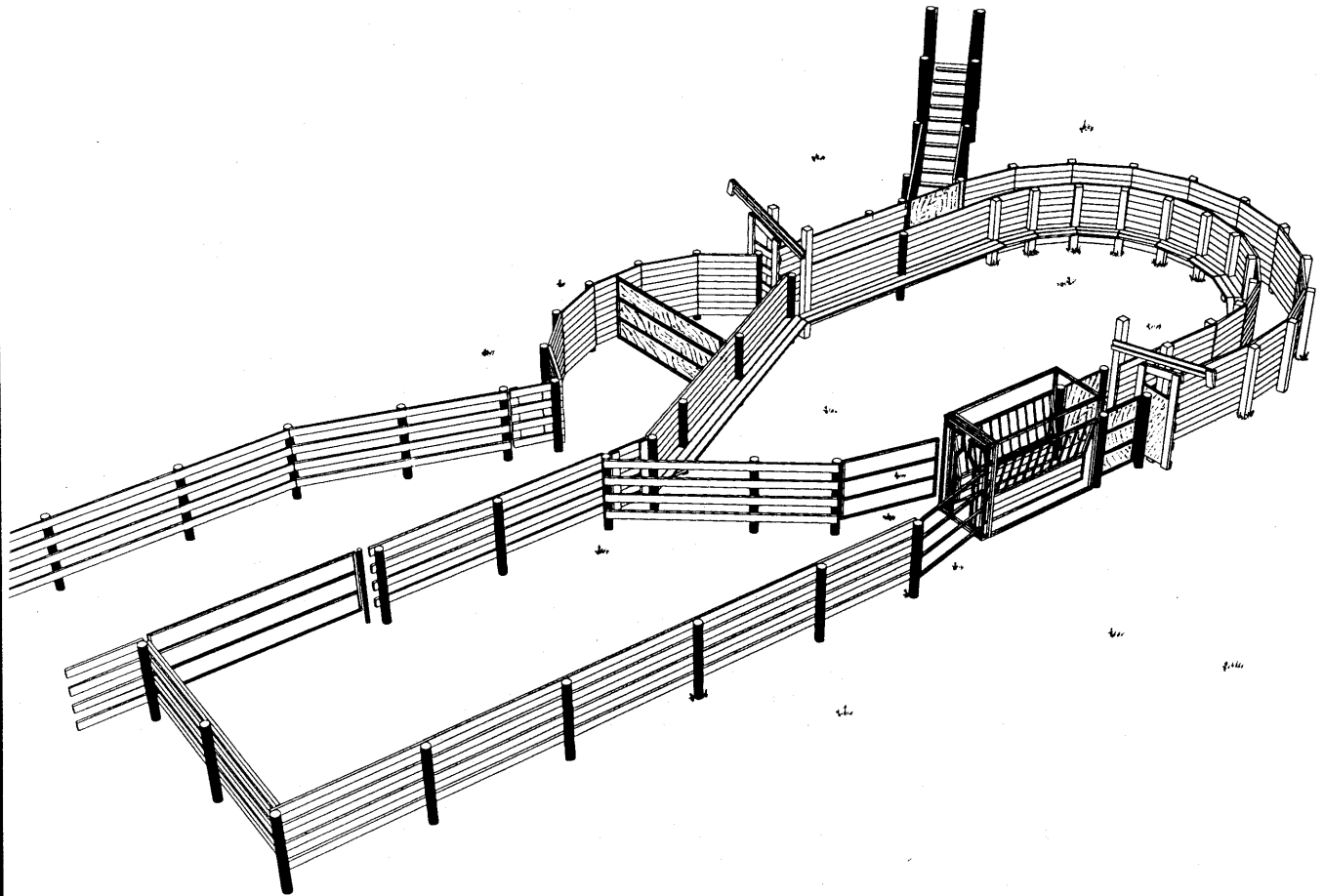
Saskatchewan  
Rural  
Development

Extension  
Service

# Plan S-186

## Tight-Curved Working Chute

### COMPLETE INSTRUCTIONS



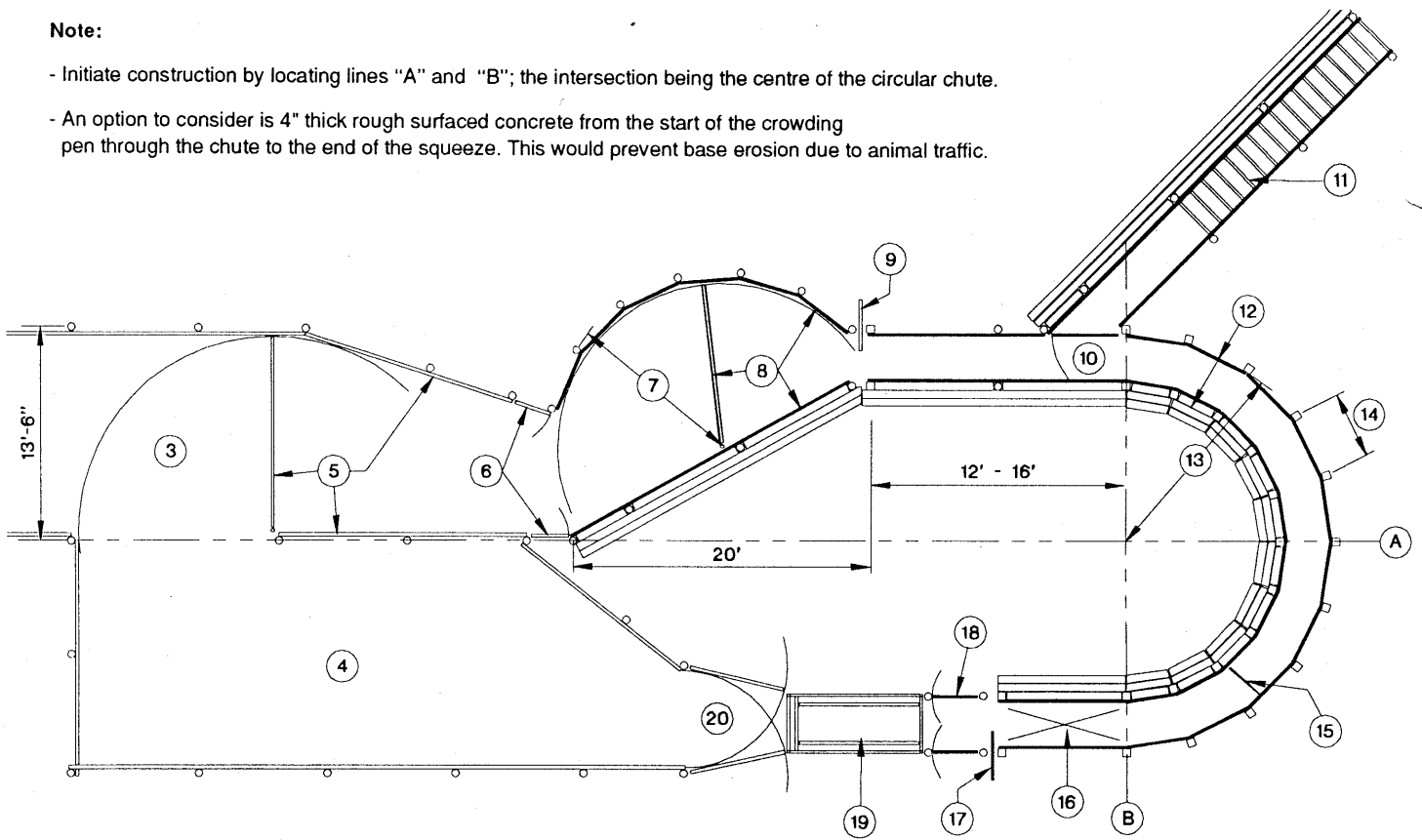
This plan details a tightly curved working chute designed to fit where space is limited. This working chute utilizes a lead up alley that feeds directly into the crowding pen. If sorting is required, pens can be placed along the lead up alley or after the squeeze chute.

The tightly curved chute has a 13 foot radius to the inside edge of the outside posts. To allow cattle to make such a tight turn in a single file chute, the outside posts are placed four feet on centre to provide a more gradual curve. The first 12 to 16 feet of the single file chute should not be curved. When using a single file chute with this small radius, do not taper the chute sides since large animals may become stuck. Build a straight wall chute 28 to 32 inches wide. Consider filler panels for calves or smaller animals. Solid sides on the working chute will reduce balking. A catwalk allows the handler to work cattle from the most advantageous position.

Locate the facilities in a well drained area accessible to all cattle pens and to trucks in all weather.

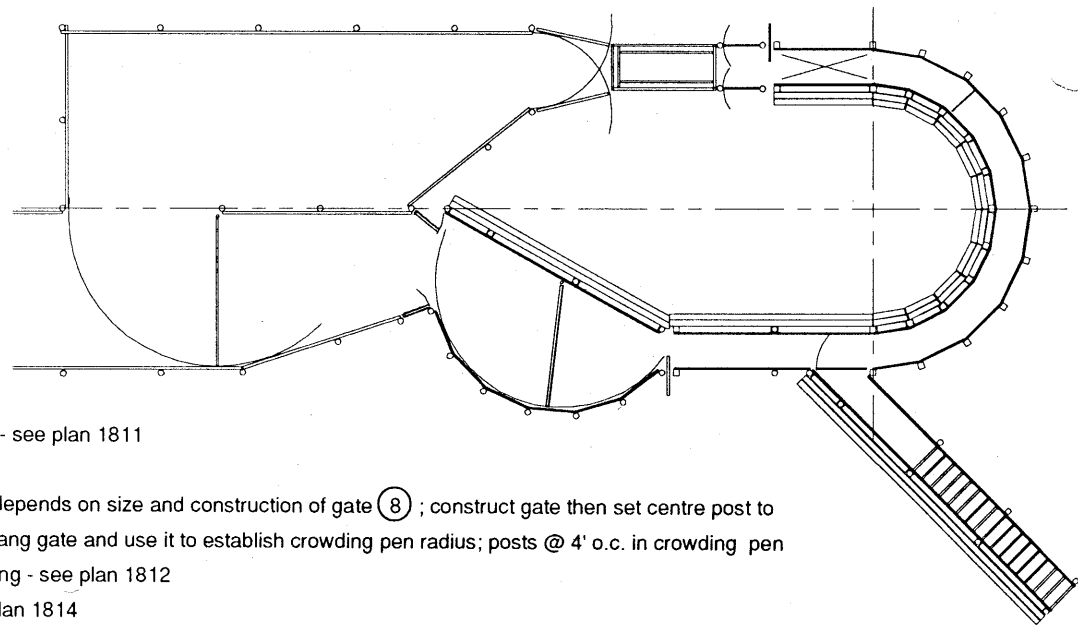
**Note:**

- Initiate construction by locating lines "A" and "B"; the intersection being the centre of the circular chute.
- An option to consider is 4" thick rough surfaced concrete from the start of the crowding pen through the chute to the end of the squeeze. This would prevent base erosion due to animal traffic.



1

2



1. Plan View
2. Reverse Plan View
3. lead - up alley
4. return alley/holding area
5. 12' gate and open corral fencing - see plan 1811
6. man gate - install as needed
7. 11' crowding pen radius; radius depends on size and construction of gate (8) ; construct gate then set centre post to make gate line up with chute, hang gate and use it to establish crowding pen radius; posts @ 4' o.c. in crowding pen
8. 10' crowding gate and solid fencing - see plan 1812
9. open faced blocking gate - see plan 1814
10. 4' solid faced cutting gate
11. loading chute - see plan 1816 or 1817
12. straight wall working chute and catwalk; chute 28" - 32" wide - see plan S-184 (do not taper chute)
13. 13' radius to inside edge of posts
14. max. chute post spacing 4'
15. one way gate - see plan S-182, place as required
16. scale location; ensure post spacing and bottom chute rail will accommodate sliding scale in and out
17. solid faced blocking gate - see plan 1814
18. palpation gates
19. squeeze and headgate
20. 6' sorting gates