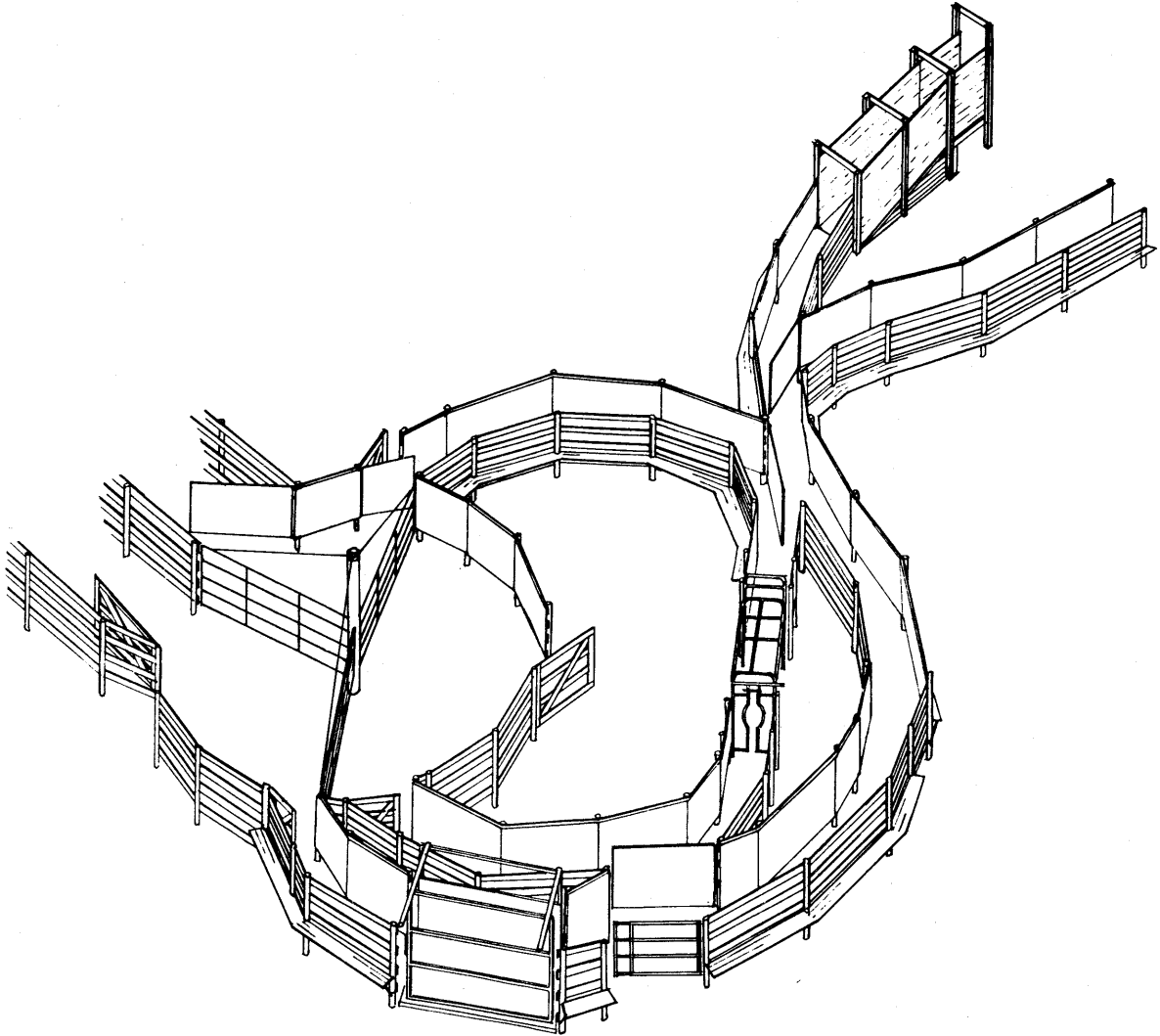




By-pass Curved Chute



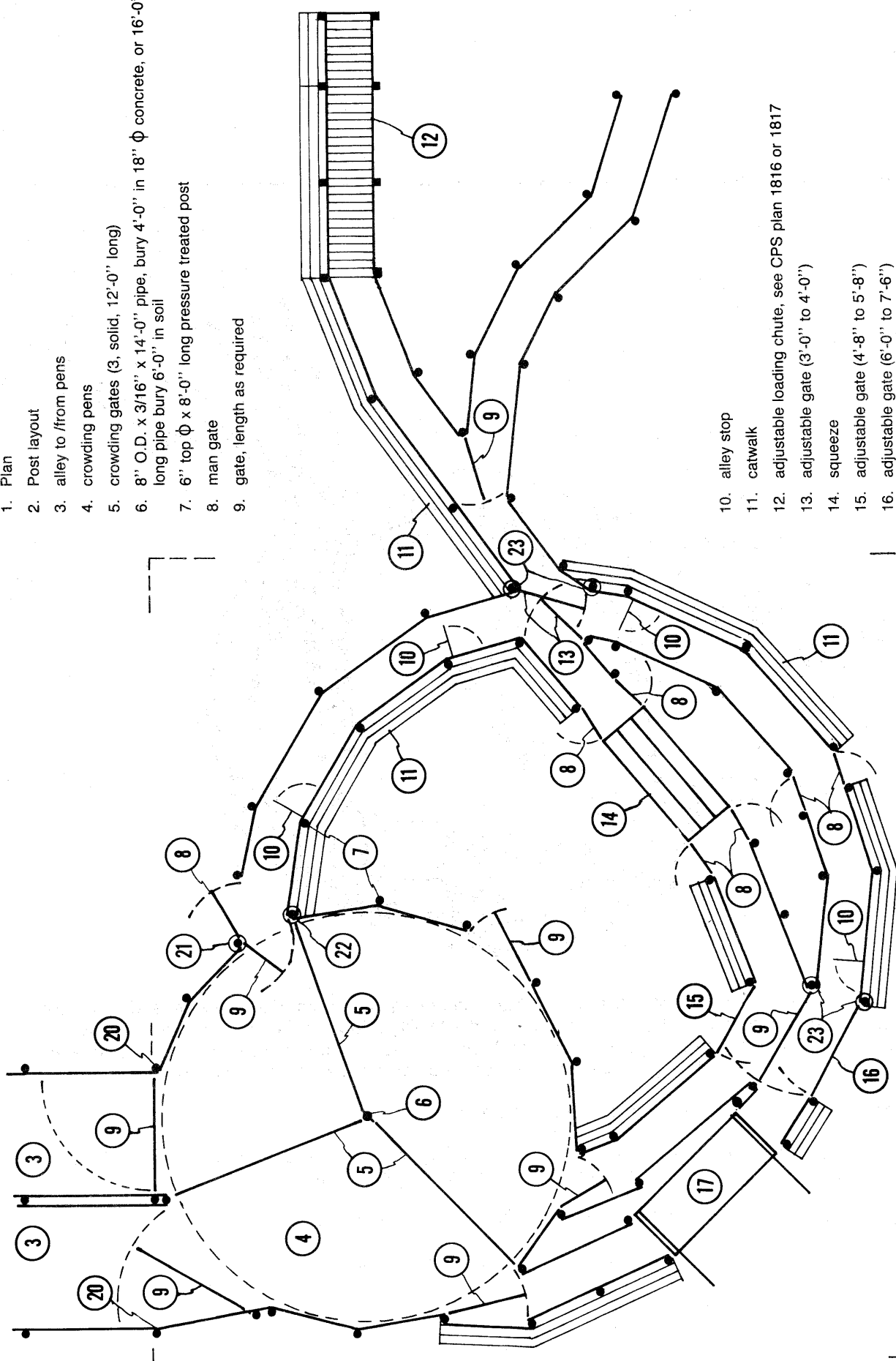
This leaflet describes a facility for feedlots that handle large numbers of animals several times per year. Consideration should be given to covering the facility if there is frequent use during cold weather. The curved chute (less loading chute) will fit inside a 48 ft. x 48 ft. structure. If covered, a heated office with a sliding window could be constructed adjacent to the scale location.

The features of this by-pass curved chute plan are:

- three crowding gates on one post to crowd cattle from the entrance alley into the working chute, as well as from the working chute or scale cage back to the exit alley
- gates in the working chute to direct cattle into the squeeze or to by-pass it
- gates in the working chute to direct cattle into the scale cage or to bypass it
- cattle can move either way through the chute
- gates to direct cattle into either of the two loading chutes, one at ground level and one with adjustable height.

1. Plan
2. Post layout
3. alley to /from pens
4. crowding pens
5. crowding gates (3, solid, 12'-0" long)
6. 8" O.D. x 3/16" x 14'-0" pipe, bury 4'-0" in 18" ϕ concrete, or 16'-0" long pipe bury 6'-0" in soil
7. 6" top ϕ x 8'-0" long pressure treated post
8. man gate
9. gate, length as required

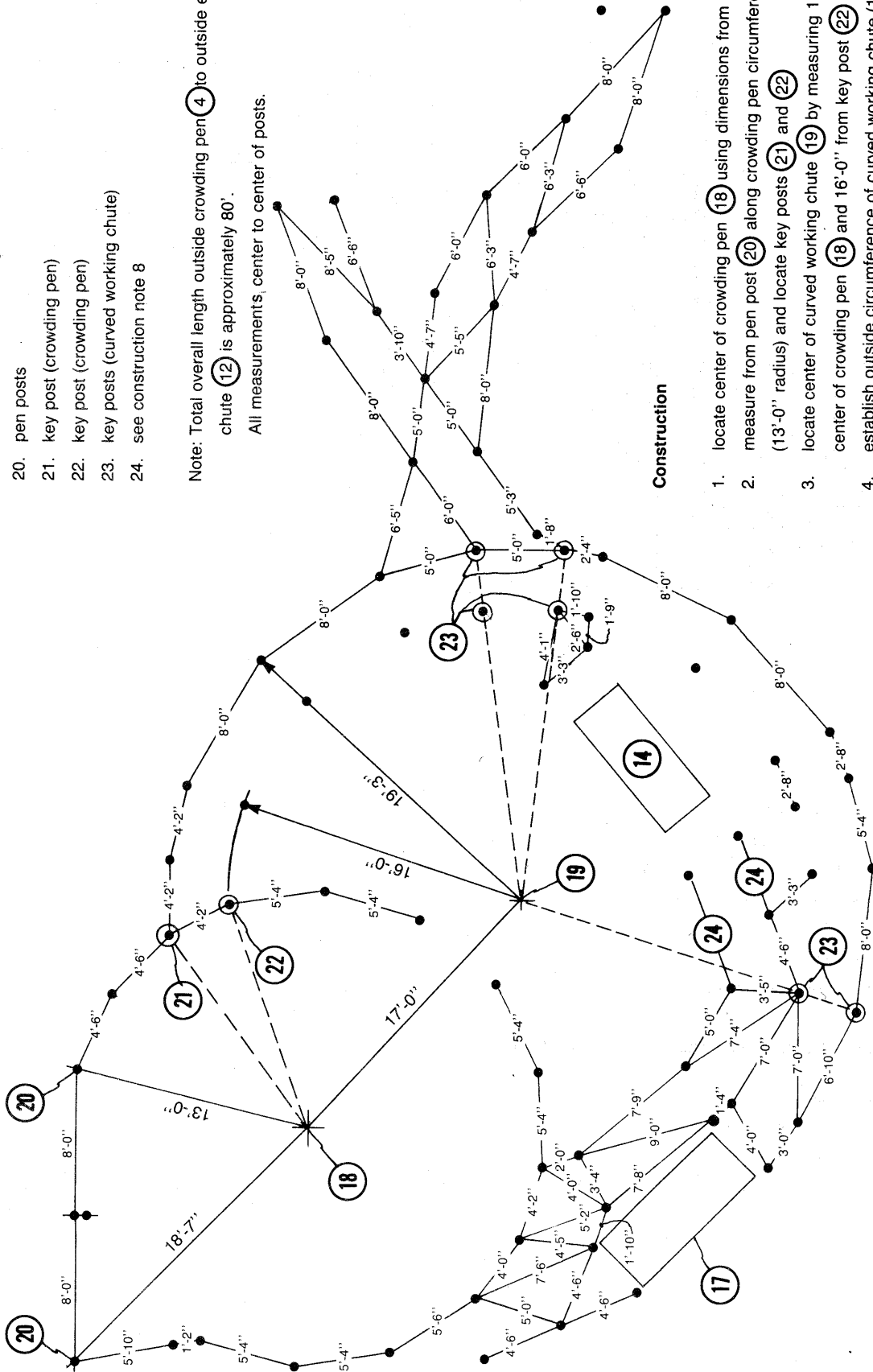
10. alley stop
11. catwalk
12. adjustable loading chute, see CPS plan 1816 or 1817
13. adjustable gate (3'-0" to 4'-0")
14. squeeze
15. adjustable gate (4'-8" to 5'-8")
16. adjustable gate (6'-0" to 7'-6")
17. scale and scale cage, see FFIB plan S-181



suggested building location

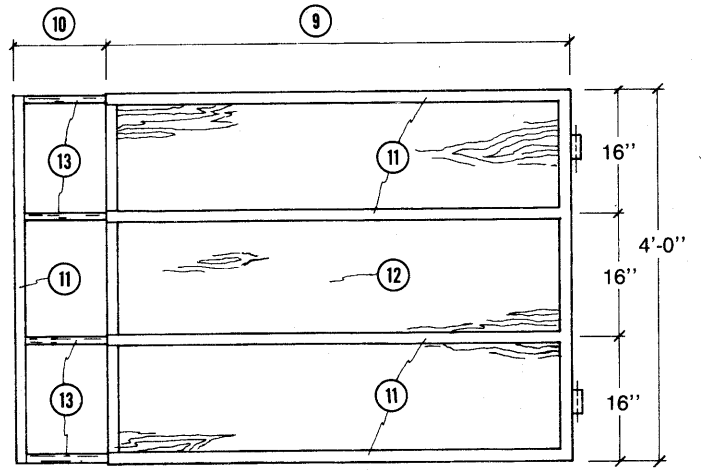
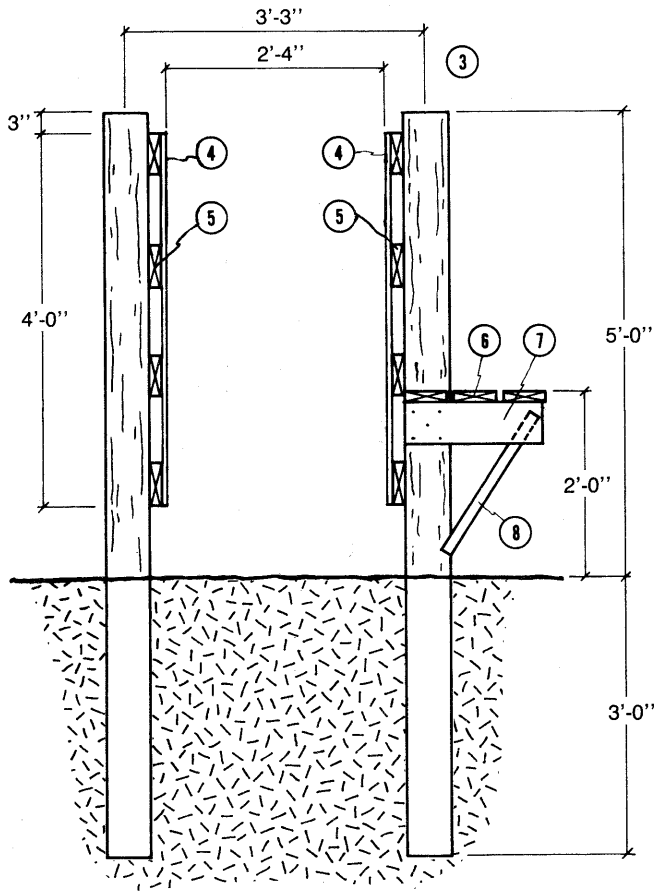
- 18. center of crowding pen
- 19. center of curved working chute
- 20. pen posts
- 21. key post (crowding pen)
- 22. key post (crowding pen)
- 23. key posts (curved working chute)
- 24. see construction note 8

Note: Total overall length outside crowding pen (4) to outside end of loading chute (12) is approximately 80'.
 All measurements, center to center of posts.



Construction

1. locate center of crowding pen (18) using dimensions from pen posts (20)
2. measure from pen post (20) along crowding pen circumference (13'-0" radius) and locate key posts (21) and (22)
3. locate center of curved working chute (19) by measuring 17'-0" from center of crowding pen (18) and 16'-0" from key post (22)
4. establish outside circumference of curved working chute (19'-3" radius)
5. using dimensions shown, measure along outside circumference of curved working chute from key post (21) to locate all key posts (23)
6. establish inside circumference of curved working chute (16'-0" radius)
7. use key posts (23) as starting points to locate remaining posts
8. post spacing (24) determined by size and location of squeeze



1

2

1. Working chute cross-section
2. Gate construction, fixed/adjustable
3. 6" top Φ x 8'-0" long pressure treated posts
4. 4' x 8' x 3/4" pressure treated plywood
5. 2 x 6 chute rails
6. 2 x 6 catwalk planks
7. 2 x 6 x 18" long struts each side of post
8. 2 x 6 brace
9. fixed gate (identical to adjustable gate less slider, length as required)
10. adjustable gate slider
11. 1 1/2" x 1 1/2" x .025" sq. tube gate frame
12. 3/4" pressure treated plywood
13. 3/4" black pipe slider, 2'-6" long for 1'-0" extension and 3'-0" long for 1'-6" extension