

**OPTION 1:  
MANUFACTURED GUARD**

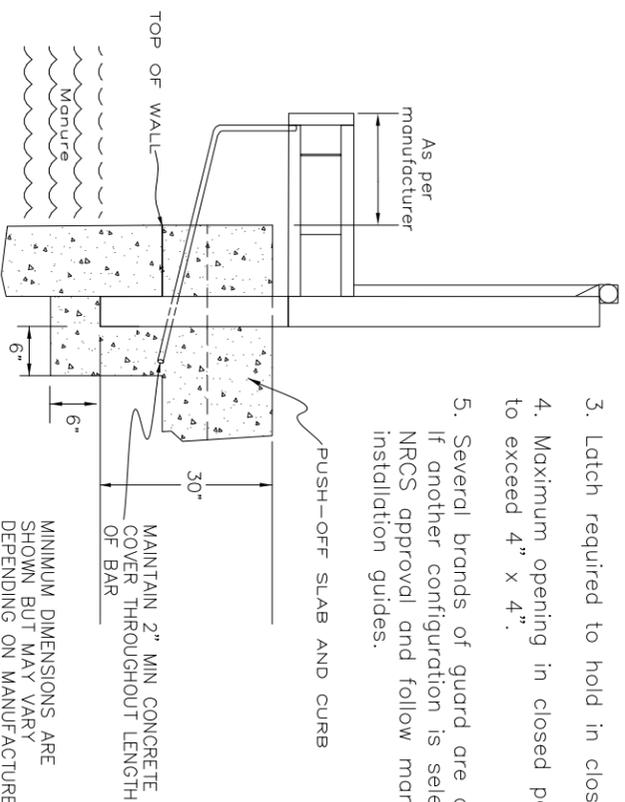
1. Adjacent fencing should accommodate c-c width of guard (w) so that no space greater than 4" is left on either side of the installed guard.

2. All metal to be dipped galvanized or powder coated.

3. Latch required to hold in closed position.

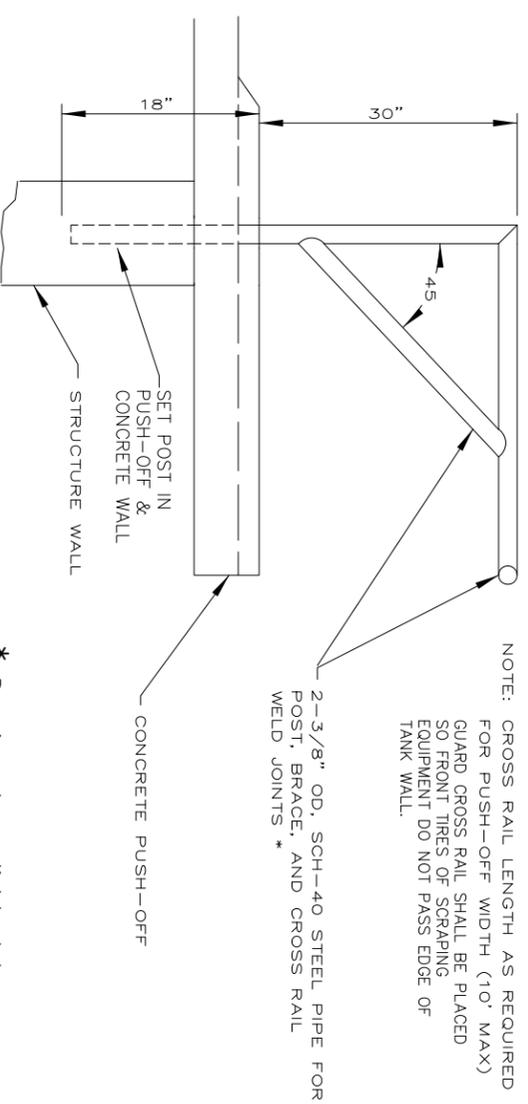
4. Maximum opening in closed position not to exceed 4" x 4".

5. Several brands of guard are available. If another configuration is selected, obtain NRCS approval and follow manufacturer's installation guides.



MAINTAIN 2" MIN CONCRETE COVER THROUGHOUT LENGTH OF BAR  
MINIMUM DIMENSIONS ARE SHOWN BUT MAY VARY DEPENDING ON MANUFACTURER.

**OPTION 2: WELDED PIPE GUARD\***

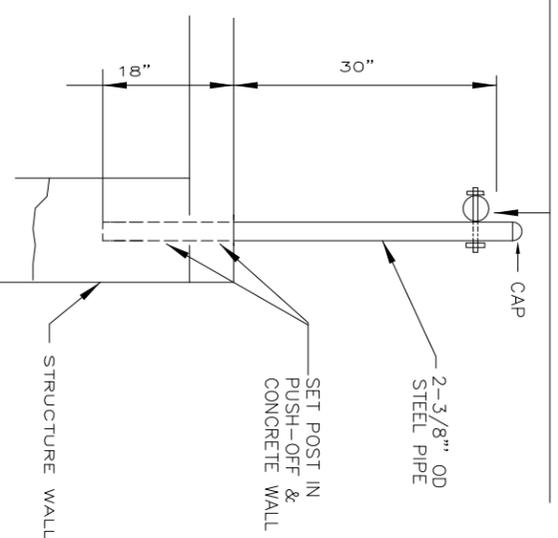


NOTE: CROSS RAIL LENGTH AS REQUIRED FOR PUSH-OFF WIDTH (10' MAX) GUARD CROSS RAIL SHALL BE PLACED SO FRONT TIRES OF SCRAPING EQUIPMENT DO NOT PASS EDGE OF TANK WALL.

2-3/8" OD, SCH-40 STEEL PIPE FOR POST, BRACE, AND CROSS RAIL WELD JOINTS \*

\* Drawing shows light-duty. Sites using tractor scrapers use 4" O.D. vertical and 3" OD for remaining members.

**OPTION 3: LIGHT-DUTY PIPE & BAR GUARD**



LENGTH AS REQUIRED FOR PUSH-OFF WIDTH (10' MAX) 3" OD STEEL PIPE WELD OR 1/2" X 5" BOLT, NUT, AND WASHER

**CONSTRUCTION NOTES  
(apply to all options):**

NOTE:

1. These safety guards are intended to deter accidental entry when scraping manure and not prevent it.

2. Other comparable safety guards may be used, if approved by the engineer.

3. Safety gates required for Options 2 & 3. Gates shall be closed at all times except while scraping the lot. Gate shall be tubular frame with expanded metal mesh, maximum opening 4" x 4". Mesh shall be min. 9-gauge. Preferred finish is dip galvanized or powder coated. Embedded support post and dual-action latch with lock option. Clearance at bottom 4" maximum.

4. All pipe shall be galvanized dipped or powder coated and painted. On-site damage to be coated with equal protection throughout life of the facility.

Date

Designed \_\_\_\_\_  
Drawn \_\_\_\_\_  
Checked \_\_\_\_\_  
Approved by \_\_\_\_\_

\_\_\_\_\_ COUNTY, PENNSYLVANIA

**PUSH-OFF SAFETY GUARDS**



File No.

Drawing No.

PA-039-71

Sheet \_\_\_\_\_ of \_\_\_\_\_

DRAWINGS NOT TO SCALE

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