NOTES:

SECURE PROPER REGULATORY APPROVAL BEFORE STARTING CONSTRUCTION.

OPEN GUTTER FLUSHING CAN ONLY BE USED IN LOCATIONS WHERE
SOIL CONDITIONS PERMIT LAGOON CONSTRUCTION.

BECAUSE THE REQUIRED VOLUME OF
FLUSH WATER IS SO LARGE, A WASTE-
WATER RECYCLE SYSTEM SHOULD
BE USED. THE FLUSH WATER IS
DISCHARGED INTO THE FIRST STAGE LAGOON
WHERE MUCH OF THE MANURE SOLIDS
CAN SETTLE OUT OF THE LIQUID. LIQUID
OVERFLOW FROM THE FIRST STAGE
LAGOON FLOWS INTO A SECOND STAGE
HOLDING POND. THE LIQUID IS THEN
PUMPED BACK TO THE FLUSH BUCKET.

THE 200 GALLON BUCKET SHOULD FLUSH
ONCE EVERY 30 MINUTES WHICH WILL
REQUIRE A PUMP WITH 7 GALLONS
PER MINUTE CAPACITY RUNNING
CONTINUOUSLY.

NOTE: APPROXIMATE CAPACITY OF
8 PENS IS 240 HEAD
(30 HEAD PER PEN)

NOTE:
INSULATION JOINTS
TO BE TONGUE &
GROOVE ON TAPES
WITH VAPOR RESISTANT
TAPE, MOLDED BEAD
STYRENE IS NOT
RECOMMENDED.

PLAN

SECTION AA
**REAR ELEVATION**

**ELEVATIONS OF FINISHED CONCRETE FLOOR**

Concrete floors should be finished smooth but not slick; an aluminum float finish is suggested.

**BUCKET MOUNTING DETAIL**

A 200 gallon free swinging dump bucket is recommended for this finishing facility. The bucket should have no stops, springs, or shock absorbers. The bucket is free to rotate a full 360°. The frequency of flush will depend on the water flow rate into the bucket.

**SECTION B-B**

**SECTION C-C**

Cooperative Extension Work in Agriculture and Home Economics
State of Tennessee
University of Tennessee
Agricultural Engineering Department
United States Department of Agriculture Cooperative Extension Service

Swine Finishing Floor With Open Gutter Flush
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