



**200 COW DAIRY LAYOUT**  
 EXPANDABLE TO 400 COWS  
 COOPERATIVE EXTENSION SERVICE  
 STATE OF MISSISSIPPI UNIVERSITY  
 & U.S. DEPT. OF AGRIC. COOPERATING  
 DESIGNED & DRAWN BY: Leg. Miller EXT. AGRIC. ENG.  
 PLAN NO. D-15  
 No. 5885-A SHEET 1 of 1

Check out for  
 SCALE 1" = 20'  
 L. H. Hooper

\*CHECK THIS DIM. AGAINST MFG'S STALL LENGTH PER  
 \*\* " " " " " " " " WIDTH \*\*  
 MIN. WATER SUPPLY-40 GPM @ 40 PSI PER 200 COWS

\*SEE EXT. PLAN NO. D14 FOR MILKING PARLOR DETAIL

SEE EXT. PLAN NO. D11 FOR BARN DETAIL

SEE EXT. PLAN NO. 5756 & PUB. 551 FOR DETAIL OF STALLS

SEE EXT. PLAN NO. DB-11 FOR DETAIL OF BUNK FEEDER

MANURE LOADING RAMP  
 OPTIONAL TO MANURE PICKUP  
 IN ACCESS ALLEY OR A LIQUID  
 SYSTEM WITH UNDERGROUND  
 TANKS AT POSITIONS SHOWN  
 SEE EXT. PLAN NO. DB12 FOR  
 LOADING RAMP DETAIL

POSITION OF LIQUID MANURE  
 TANKS FOR LIQUID DISPOSAL  
 SYSTEM SEE EXT. PLAN NO.  
 5981 FOR DETAIL.

TO OPEN DRAINAGE OR LAGOON

IN MOST CASES  
 THIS RAMP IS NOT  
 NEEDED  
 OPTIONAL  
 MANURE LOADING  
 RAMP SEE EXT.  
 PLAN NO. DB.12

COVERED HOLDING  
 TO THIS POINT  
 OPTIONAL TO THIS  
 POINT  
 TOTAL HOLDING AREA  
 INCLUDING ACCESS ALLEY  
 TO CHAIN GATE 30'48" 50. FT.

8" DIA BELL FROM THIS POINT  
 FLEX JOINT

SLOPE 1/8" TO 1/4"  
 PER LIN. FT.

MANHOLE AT  
 EACH TURN

SLOPE 2" PER 144 FT.

CHAIN GATE

TIE STALLS OPT.

NEUTRAL AREA

ONE STEP UP  
 CONCRETE

SLOPE 1/8" TO 1/4" PER LIN. FT.

32' APPROX.

1" CI

24'

20'

6" DIA. CI FROM THIS POINT

16'

16' MIN.

CONCRETE

WATER

SALT & MIN.

ROOM OVER  
 BUNK

CPT 5" TOP  
 DIA. 7" L  
 5 STRANDS OF  
 3/8" GUY CABLE

SLOPING CURB

SEATING

ROADWAY

ROADWAY

ROADWAY

ROADWAY

ROADWAY

MAKE PROVISION FOR SURFACE  
 DRAINAGE DISCHARGE AT THESE PTS

ROADWAY

OVERHEAD CONVEYORS  
 CLEAR HIGHEST IMP.

ACCESS ALLEY

SLOPE TO WIDTH OF BLADA  
 USED

FLAT

SLOPE

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