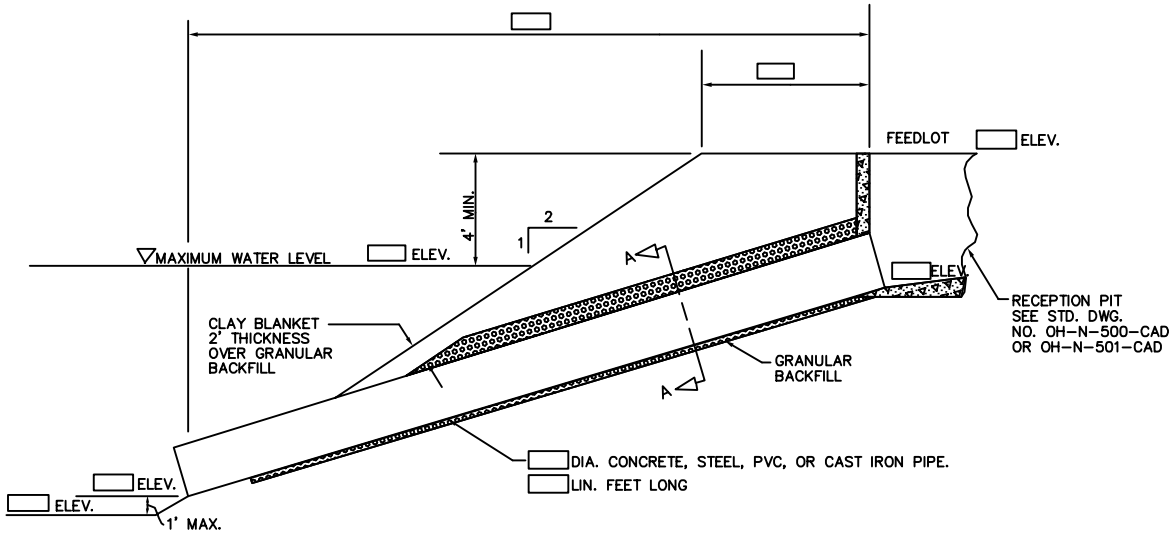


PROFILE ALONG ℄ OF PIPE

NOTES

1. PIPE DIAMETER AND TYPE SHALL BE BASED ON TYPE OF LIVESTOCK, BEDDING, AND AMOUNT OF WASTE WATER. THE MINIMUM PIPE DIAMETER FOR LIQUID SWINE MANURE OR MILKHOUSE WASTE SHALL BE 6 INCH. PIPE DIAMETERS OF 20–36 INCHES SHALL BE USED FOR DAIRY OR BEEF MANURE.
2. A CONCRETE HEADWALL SHALL BE INSTALLED ON THE OUTLET END OF THE PIPE WHEN LESS THAN HALF THE LENGTH OF THE LAST PIPE SECTION IS BURIED IN THE POND SIDE SLOPE. SEE DETAILS BELOW.
3. PIPE CLEANOUT PARTS SHALL BE PROVIDED ON ALL PIPES OVER 200 FEET LONG AND AT ALL BENDS.
4. MILKHOUSE WASTE SHALL BE DISCHARGED INTO THE RECEPTION PIT WHERE POSSIBLE.
5. RECEPTION PIT FLOOR SHALL BE SLOPED OR ROUNDED TO PERMIT EASY FLOW OF MANURE INTO PIPE.
6. PIPE JOINTS SHALL BE BELL & SPIGOT OR WELDED.

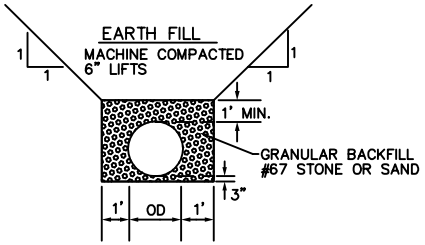
MATERIAL SPECIFICATIONS

_____ PIPE. ASTM _____

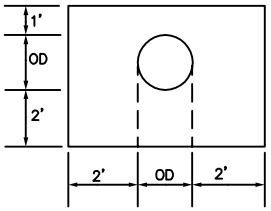
GRANULAR BACKFILL–ODOT #67 OR SAND

CONCRETE–SEE ATTACHED SCS CONCRETE SPECIFICATION

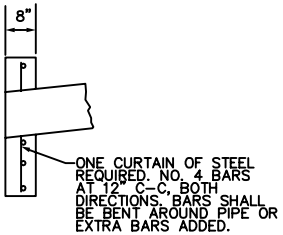
REINFORCING STEEL–SEE ATTACHED SCS STEEL SPECIFICATION



SECTION A–A



FRONT VIEW



SECTION ALONG ℄

CONCRETE HEADWALL
(OPTIONAL, SEE NOTE 2)

CONSTRUCTION DETAILS
GRAVITY FLOW MANURE SYSTEM

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

STANDARD DRAWING NO.: OH-N-505-CAD
APPROVAL DATE: 06/01/87

REVISIONS:

		Date		
Designed	A. BRATE	12/86	Approved by	
Drawn	A. BRATE	12/86	Title	
Traced	D. WHITED	12/86	Title	
Checked			Sheet No of	Drawing No.

Description: MANURE SYSTEM, GRAVITY FLOW, CONSTRUCTION DETAILS

Filename: OH050587.DWG