

LOCATION OF MOUND TO BE STAKED BY CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.

MEASURE THE AVERAGE GROUND ELEVATION ALONG THE UPSLOPE EDGE OF THE UPPER TRENCH. BOTTOM ELEVATION OF THE TRENCHES TO BE A MINIMUM OF 18" ABOVE THIS ELEVATION AS SHOWN ON THE DETAIL.

DETERMINE WHERE THE PIPE FROM THE PUMPING CHAMBER CONNECTS TO THE DISTRIBUTION SYSTEM IN THE MOUND.

TRENCH AND LAY THE EFFLUENT PIPE FROM THE PUMPING CHAMBER TO THE MOUND. CUT AND CAP THE PIPE ON E.P. 8" BELOW THE GROUND SURFACE. LAY PIPE BELOW FROST LINE, SLOPING UNFORMALLY BACK TO THE PUMPING CHAMBER SO THAT THE LAST STRAIN JOINT BEARS THE FULL WEIGHT OF THE COVER. SOIL AROUND PIPE TO PREVENT BACK SEEPAGE OF EFFLUENT ALONG THE PIPE.

CHECK THE MOISTURE CONTENT OF THE SOIL AT 7-8 IN. DEEP. IF IT IS TOO WET, SWEARING AND COLLAPSE. IF TOO DRY, MOISTURE CAN BE DETERMINED BY ROLLING A SOIL SAMPLE BETWEEN THE HANDS. IF IT ROLLS INTO A BALL, THE SITE IS TOO WET TO PREPARE. IF IT CRUMBLES, SOIL PREPARATION CAN PROCEED.

CUT TREES TO GROUND LEVEL. REMOVE EXCESS VEGETATION BY MOWING. PREPARE THE SITE USING A MOLDBOARD OR CHISEL PLOW BY PLOWING PERPENDICULAR TO THE SLOPE. ROTOTILLING THE SITE IS NOT PERMITTED. CONSTRUCTION OF THE MOUND SHALL BEGIN AS SOON AS THE BASE AREA HAS BEEN PLOWED. THE CONTRACTOR SHALL AVOID TIGHTENING OF PLOWED AREA WITH VEHICULAR TRAFFIC.

EXTEND THE EFFLUENT PIPE TO SEVERAL FEET ABOVE THE GROUND SURFACE.

PLACE THE FILL MATERIAL, WHICH HAS BEEN PROPERLY SELECTED ALONG THE EDGE OF THE PLOWED AREA. KEEP VEHICLES OR TRUCK OFF PLOWED AREAS. MINIMIZE TRAFFIC ON THE DOWNHOLE SIDE OF THE MOUND. WORK FROM THE END AND UPSLOPE SIDE.

MOVE THE FILL MATERIAL INTO PLACE USING A SMALL TRACK TYPE TRACTOR WITH A BLADE. ALWAYS KEEP A MINIMUM OF 6" OF SAND BENEATH TRACKS TO PREVENT COMPACTION OF THE NATURAL SOIL.

PLACE THE FILL MATERIAL TO THE REQUIRED DEPTH WHICH IS THE TOP OF THE TRENCHES. SHAPE SIDES TO THE DESIRED SLOPE.

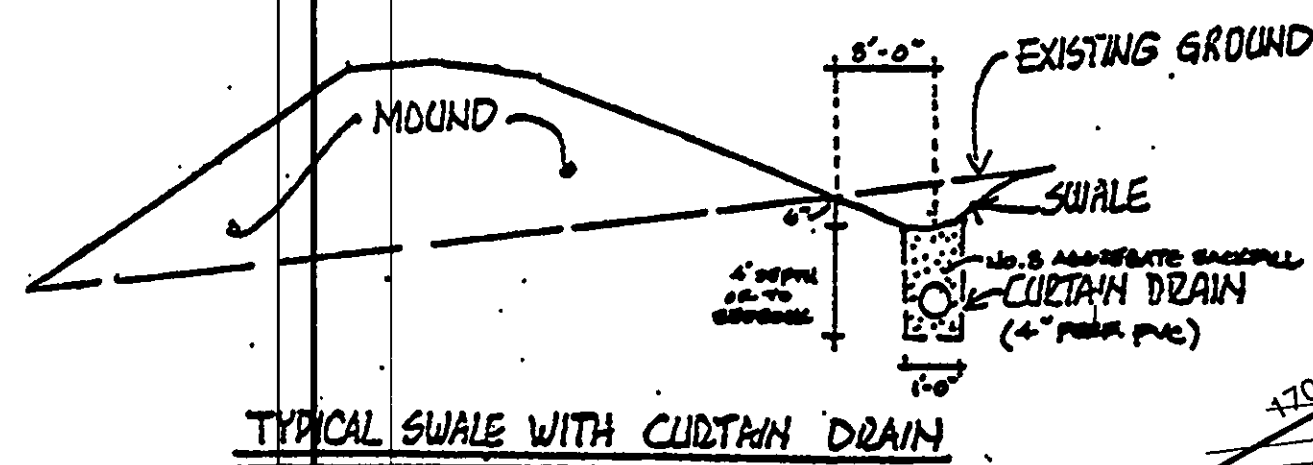
WITH THE BLADE OF THE TRACTOR, FORM THE TRENCHES. HAND LEVEL THE BOTTOM OF THE TRENCHES. THE BOTTOMS SHALL BE AT THE SAME ELEVATION AND LEVEL.

PLACE THE COARSE AGGREGATE IN THE TRENCHES. AGGREGATE SHALL BE 1/2-1 IN. NON-DETERIORATING AGGREGATE.

PLACE THE DISTRIBUTION SYSTEM ON THE AGGREGATE. CONNECT THE MAINFOLD TO THE PIPE FROM THE PUMPING CHAMBER. SLOPE MAINFOLD TO EFFLUENT PIPE. LAY LATERALS LEVEL, REMOVING GSES AND DPS.

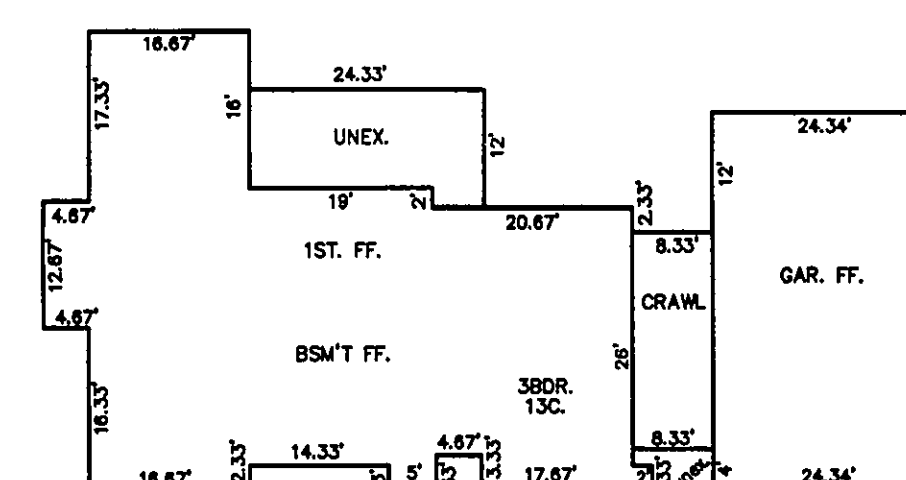
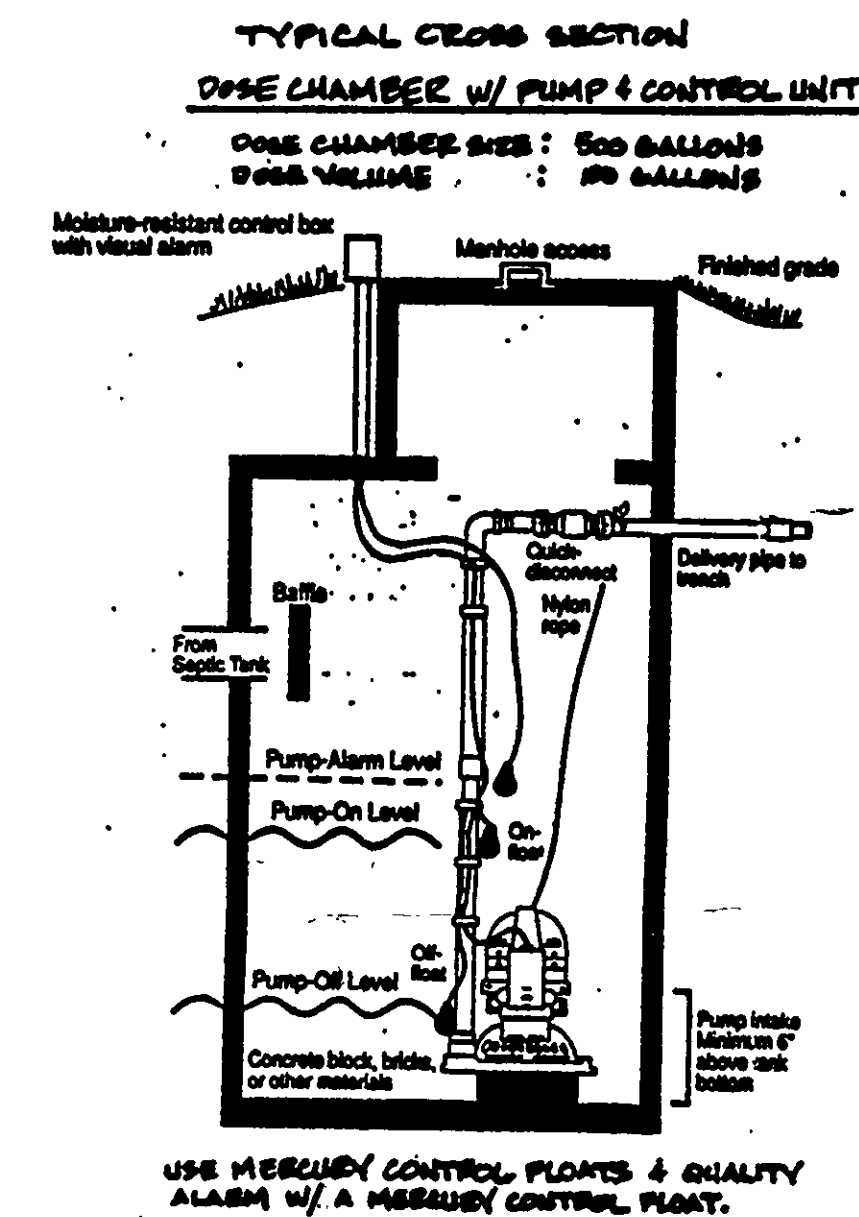
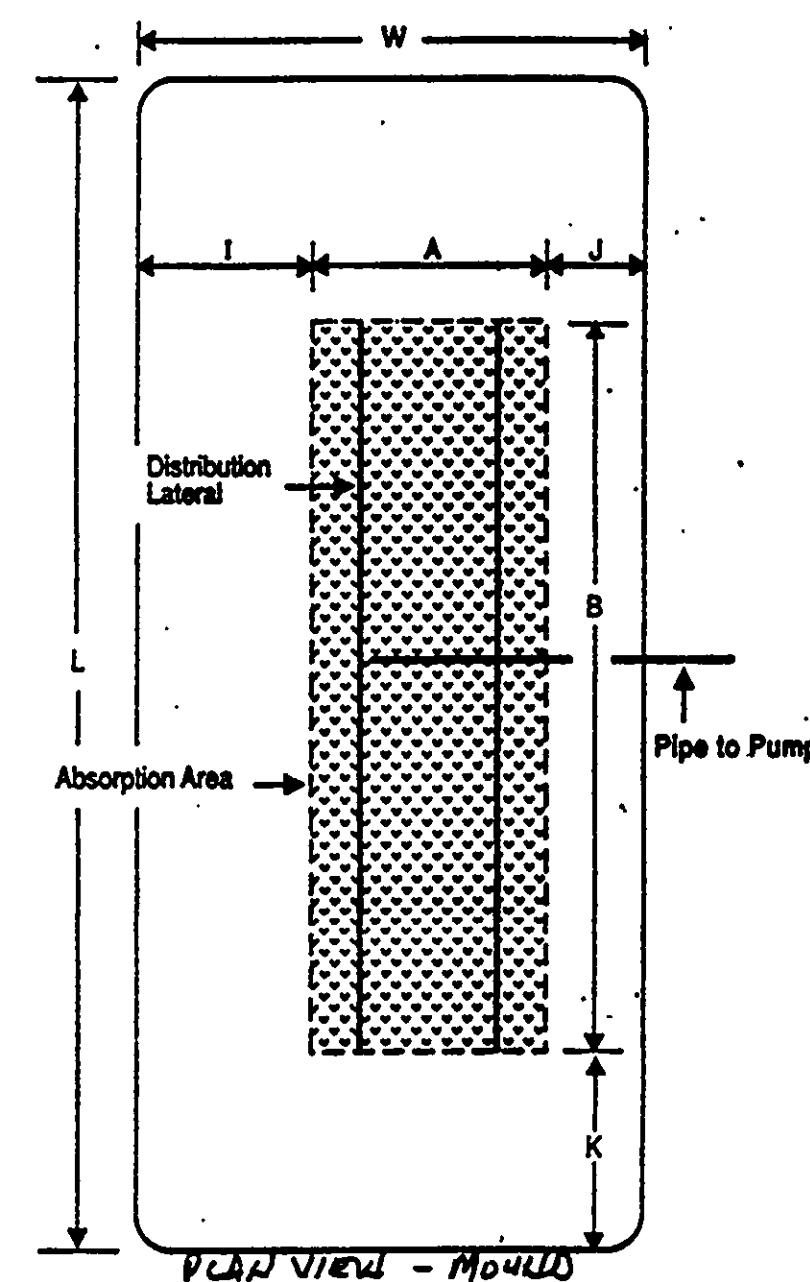
PLACE 2 IN. OF AGGREGATE OVER THE DISTRIBUTION PIPES.

MECHANICAL COMPONENTS INSTALLED IN OR AT THE SEWAGE TANK SHALL BE PROTECTED AGAINST DAMAGE OR IMPAIRMENT OF EFFICIENCY BY FLOODING, FOAMING OR SURCHARGING. PUMPS MUST BE READILY REMOVABLE FROM THE MAN-HOLE IN CASE OF PUMP FAILURE.



MOUND DIMENSIONS (FT.)					
A	5.4	F	0.67	J	15.25
B	55	G	1.0	K	12.68
D	2.0	H	1.5	L	80
E	2.1	I	11.3	W	32

1. After preparation of basal area
2. After placement of the mound fill material and mound distribution laterals
3. After placement of remaining fill, topsoil & seeding



"I, the undersigned hereby certify that this topography indicated by 6", 1' or 2' contours, and elevations shown hereon represent an actual field survey made by me on the 23rd day of MARCH, 1970 and that the elevations were taken at appropriate intervals and that as of that date they existed as indicated hereon."

Henry Jones 2343  
Name \_\_\_\_\_ Rec. No. \_\_\_\_\_

TBM-TOP HYDRANT S/L 3  
ELEV. = 987.32

REV NO.	DESCRIPTION	DATE	BY	CHK'D
1	RED. S&B MOUNT	7-2-98	HT	HT

**bj** **BARBOCK, JONES AND ASSOCIATES, INC**  
CIVIL ENGINEERS - SURVEYORS - LAND PLANNERS  
PAINESVILLE OHIO 44077

DATE	3/26/98
DESIGN BY	H.J.
DRAWN BY	T.R.
APPROVED BY	H.J.

SITE PLAN  
FOR  
DAVE KNOTT

LITTLE MNT. RD. CONCORD TWP. LAKE COUNTY

SCALE	1"=30'
JOB NO	97-066-09
SHEET	OF
1	1

Grading Plan Approved  
as shown and/or noted  
THOMAS P. GILLES, P.E.  
Lake County Engineer

By GJH Date 7.7.98  
7P# 0698-9090

