

CONSTRUCTION NOTES

LOCATION OF MOUND TO BE STAKED BY CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION. MEASURE THE AVERAGE GROUND ELEVATION ALONG THE UP-SLOPE EDGE OF THE UPPER TRENDCH BOTTOM ELEVATION OF THE TRENDCHES TO BE A MINIMUM OF 18" ABOVE THIS ELEVATION AS SHOWN ON THE DETAIL.

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

TRENCH AND LAY THE EFFLUENT PIPE FROM THE PLANNING CHAMBER TO THE MOUND CUT AND CAP THE PIPE ONE FT. BEYOND THE GROUND SURFACE. THE PIPE MUST BE PROST LINE SLOPING UPWARD BACK TO THE PLANNING CHAMBER SO THAT THE LINE DRAINS AFTER DOWNS BACKFILL AND COMPACT SOIL AROUND PIPE TO PREVENT BACK SEEPAGE OF EFFLUENT ALONG THE PIPE.

CHECK THE MOISTURE CONTENT OF THE SOIL AT 7.5 N. DEPT. IF IT IS TOO WET, SKEWING AND COMPACTION WILL RESULT. SOIL MOISTURE CAN BE DETERMINED BY ROLLING A SOIL TO 1" DIAMETER. IF IT CRUMBLES, SOIL PREPARATION CAN PROCEED.

CUT TREES A MINIMUM OF 6" ABOVE EXCESS VEGETATION BY MOWING. PREPARE THE SITE FOR A MOUND OR CHASE. FLOW BY FLOWING REPERFORATED TO THE SLOPE, AS SOON AS THE BASE AREA HAS BEEN FLOWED, THE CONTRACTOR SHALL ADD 100% FLOWING OF FLOWED AREA WITH VERTICAL TRAFFIC.

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

PLACE THE FILL MATERIAL. MATERIAL HAS BEEN PROPERLY SELECTED AROUND THE EDGE OF THE FLOWED AREA. THE FILL SHOULD BE PLACED IN 6" LAYERS. THE FILL SHOULD BE PLACED IN 6" LAYERS. THE FILL SHOULD BE PLACED IN 6" LAYERS. THE FILL SHOULD BE PLACED IN 6" LAYERS.

NOTE: THE FILL MATERIAL SHOULD BE PLACED IN 6" LAYERS. THE FILL SHOULD BE PLACED IN 6" LAYERS. THE FILL SHOULD BE PLACED IN 6" LAYERS. THE FILL SHOULD BE PLACED IN 6" LAYERS.

ALWAYS TEST 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 TRENDCHES. SHADE SOILS TO THE DESIRED SLOPE.

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

PLACE THE COARSE AGGREGATE IN THE TRENDCHES. AGGREGATE SHALL BE 1/2" N. NON-DETERIORATING AGGREGATE.

PLACE THE DISTRIBUTION SYSTEM ON THE AGGREGATE. CONNECT THE MAINFOLD TO THE PIPE FROM THE PLANNING CHAMBER. SLOPE MAINFOLD TO EFFLUENT PIPE. LAY LATERALS PLACE 2" N. OF AGGREGATE OVER THE DISTRIBUTION PIPES.

PLACE 4.5 N. OF UNCOMPACTED STRAW OR MARSHALLY UNTREATED PLANK PAPER OR A SYNTHETIC FABRIC, SUCH AS TYLAR, WARMAN OR THE EQUIVALENT.

PLACE SOIL ON TOP OF THE TRENDCHES TO A DEPTH OF 1 FT. IN THE CENTER AND 6 N. AT THE OUTER EDGE OF THE TRENDCHES. THIS MAY BE A SUBSOIL OR TOPSOIL.

PLACE 6 N. OF GOOD QUALITY TOPSOIL OVER THE ENTIRE MOUND SURFACE. THIS WILL RAISE THE ELEVATION AT THE CENTER OF THE MOUND TO A MINIMUM OF 15 FT. AND THE OUTSIDE EDGES OF THE TRENDCHES TO 1 FT. ABOVE THE MOUND TO A MINIMUM OF 15 FT. AND THE OUTSIDE EDGES OF THE TRENDCHES TO 1 FT. ABOVE THE MOUND TO A MINIMUM OF 15 FT.

LANDSCAPE THE MOUND BY SEEDING AND ALLOWING A MINIMUM OF 90% BUDGEROOT TREFOOT. AND EXTRACTED FROM THE MOUND AND NOT BE MANICURED.

IF MANICURING IS DESIRED, A COMBINATION OF 50% 1/2" N. AND 50% 1/2" N. TREFOOT, AND EXTRACTED FROM THE MOUND AND NOT BE MANICURED.

IF MANICURING IS DESIRED, THE GRASS MAY BE USED. GRASS CAN BE PLANTED AROUND THE TIE OF THE MOUND AND BE SOMEWHAT MOST DOWN VARIOUS TIMES OF THE YEAR.

ALL LAWS AND RULES OF THE LAKE COUNTY GENERAL HEALTH DISTRICT AND THE OHIO DEPARTMENT OF HEALTH SHALL BE FOLLOWED.

BUILDING CONSTRUCTION SHALL COMPLY TO ALL APPLICABLE REGULATIONS OF THE LAKE COUNTY BUILDING DEPARTMENT.

RESIDENCE MUST UTILIZE WATER SAVING TOILETS, SHOWERHEADS, AND FAUCETS.

DOORWAY IMPROVEMENTS OR CHANGES FROM EXISTING GRADE NOTED ON THE APPROVED PLAN SHALL BE INSTALLED PRIOR TO SEWAGE DISPOSAL SYSTEM CONSTRUCTION.

NO OPEN BURNING WILL OCCUR DURING CONSTRUCTION.

DOWNSPOUTS AND FOOTER DRAINS SHALL BE CONNECTED TO THE MOUND SYSTEM CURTAIN DRAIN AS SHOWN ON THE PLANS.

SURFACE WATER SHALL BE DIVERSED AWAY FROM THE MOUND AREA BY THE USE OF SWALES.

SEWAGE LEFT PLAYS SHALL BE CAPABLE OF LIFTING RESIDENTIAL SEWAGE EFFLUENT AT A CAPACITY OF 250 GALLONS PER HOUR. THE PLANNING CHAMBER SHALL HAVE A MINIMUM 100 GALLON DRAINAGE VOLUME TO THE MOUND.

MECHANICAL WORK & EQUIPMENT SHALL CONFORM WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.

MECHANICAL COMPONENTS SHALL BE INSTALLED IN A PROPERLY VENTED LOCATION AND ALL VAPOR EXHAUST FANES AND AIR FLOWS SHALL BE PROTECTED FROM SNOW, ICE OR WATER AND AEROSOLS.

MECHANICAL COMPONENTS INSTALLED IN OR AT THE SEWAGE TANK SHALL BE PROTECTED FROM FLOODING, FLOODING OR BACKFLOWING.

PLANS MUST BE REGULARLY REMOVED FROM THE MAINFOLD IN CASE OF PLANT FAILURE.

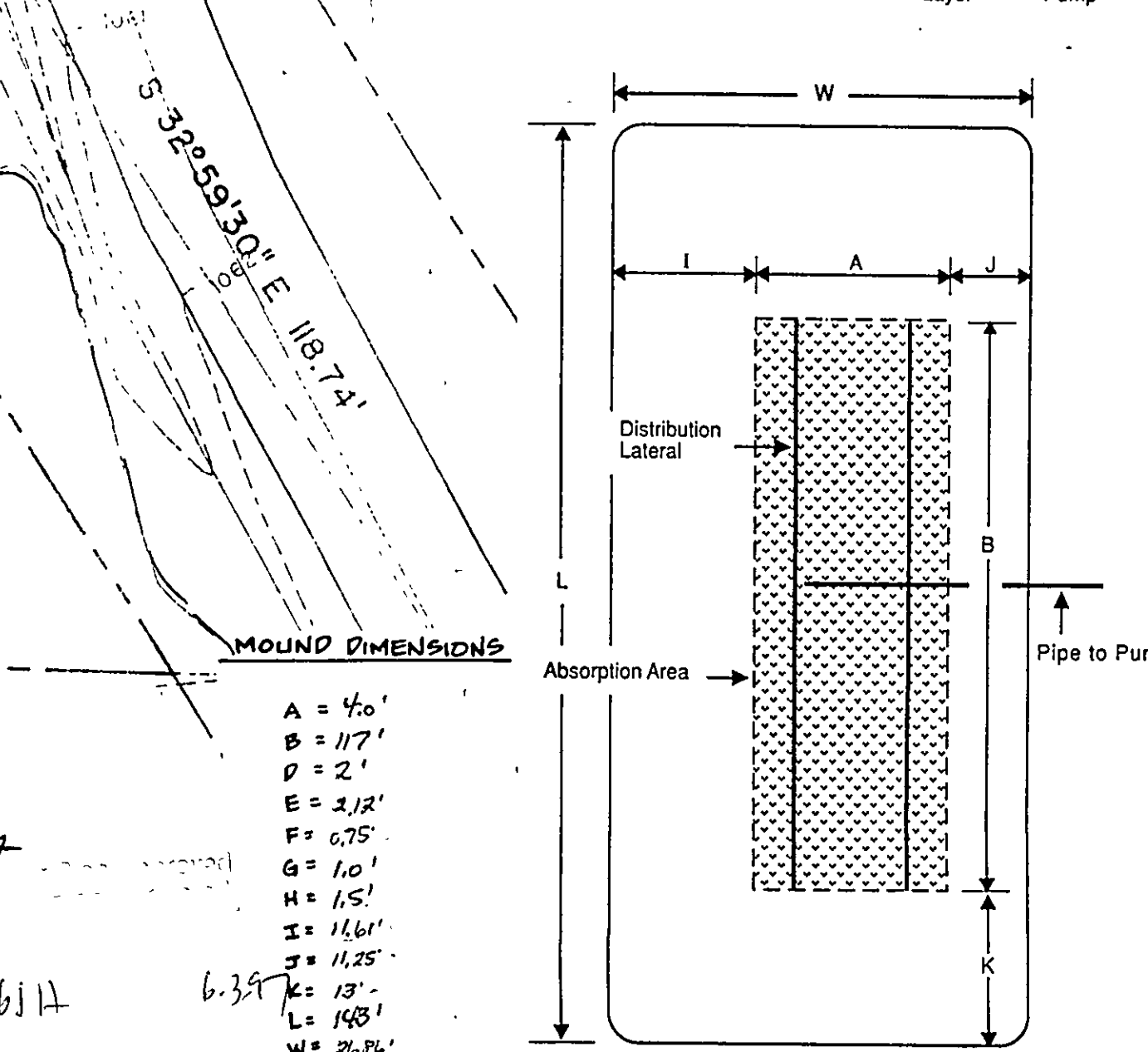
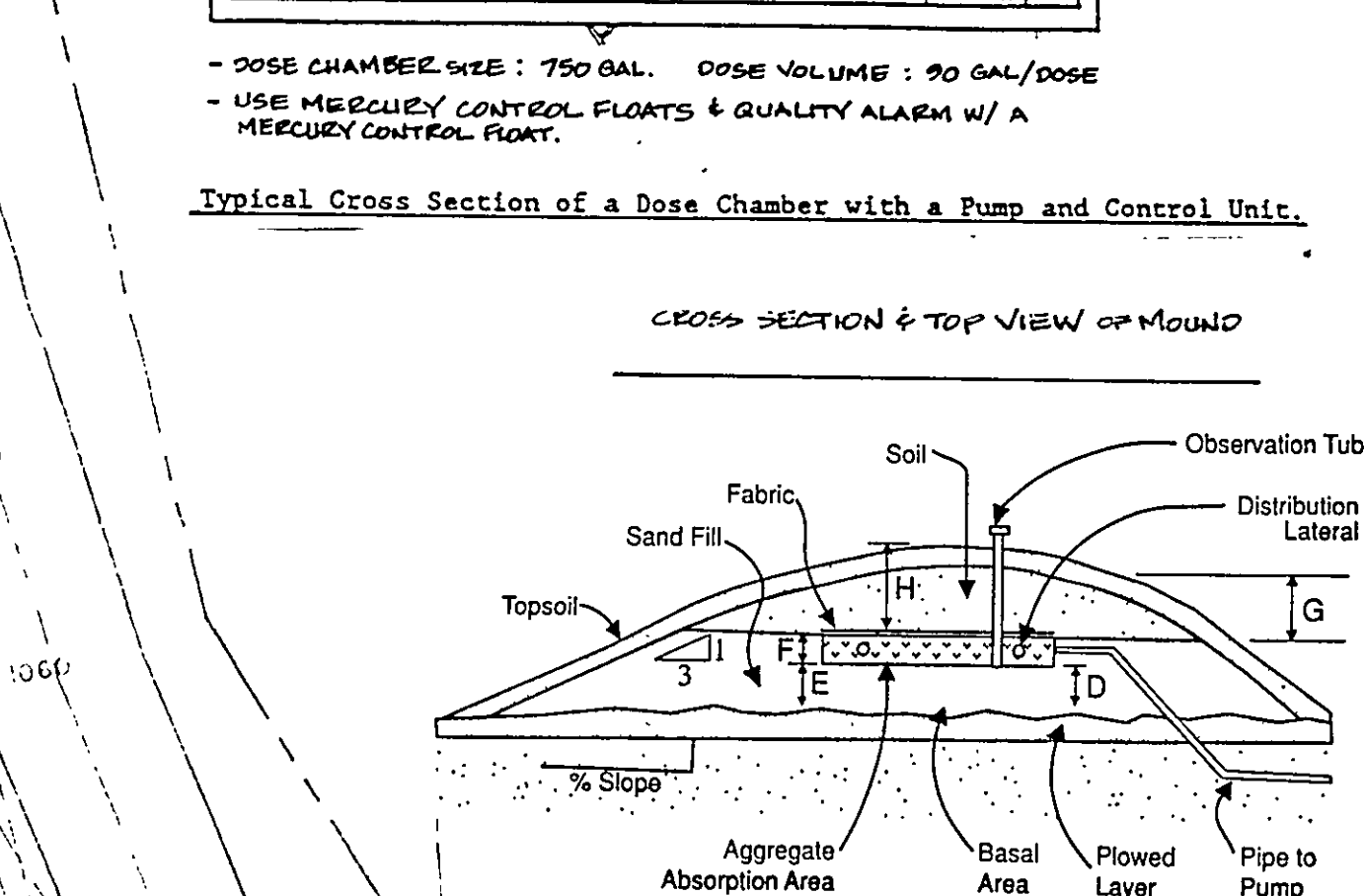
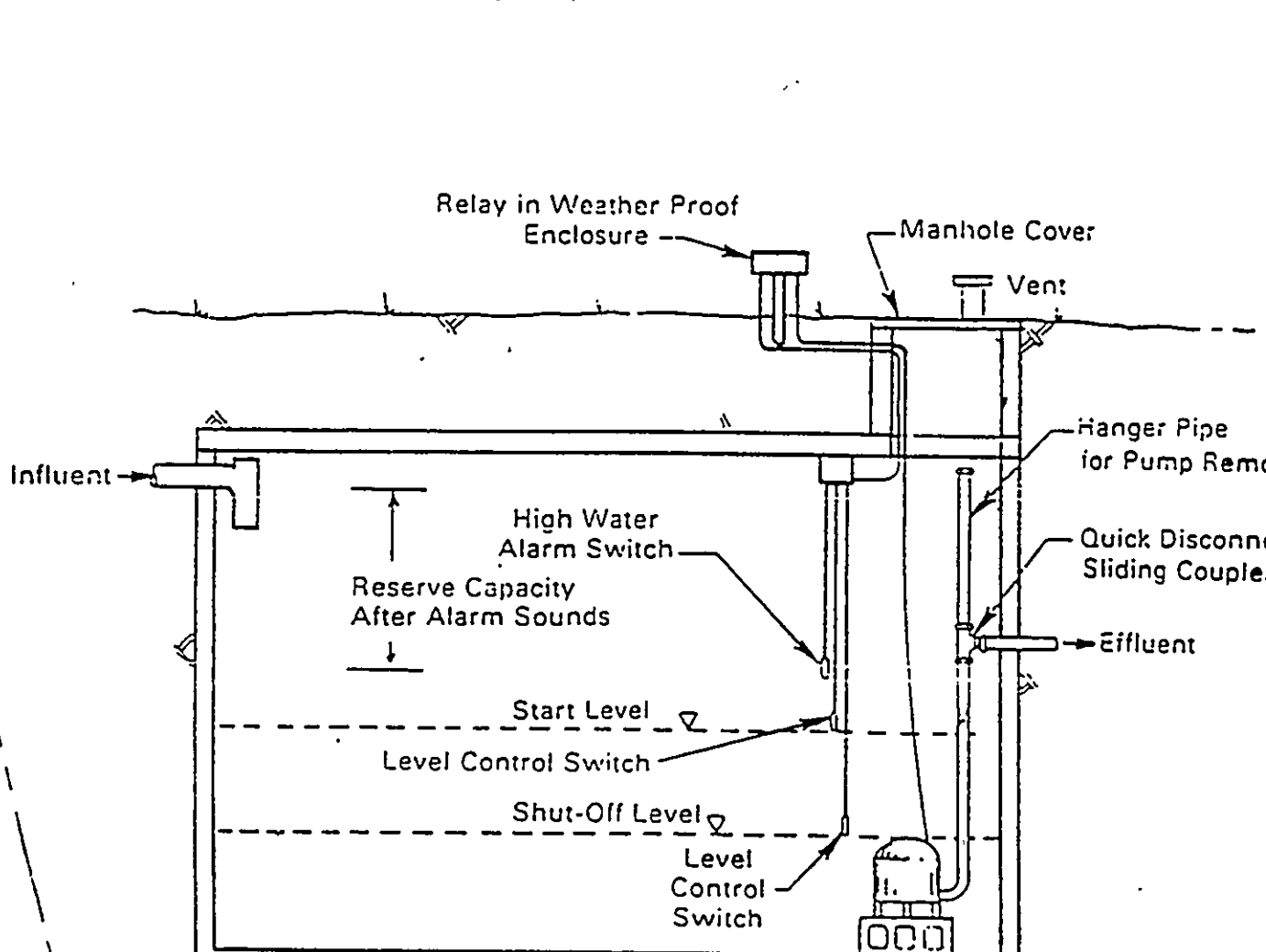
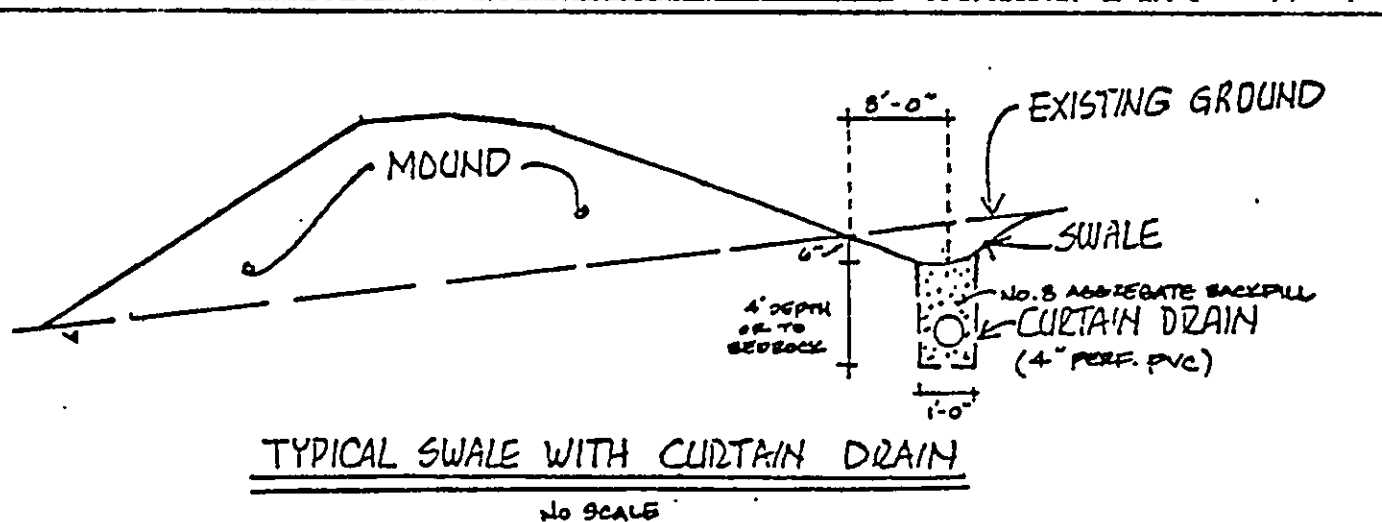
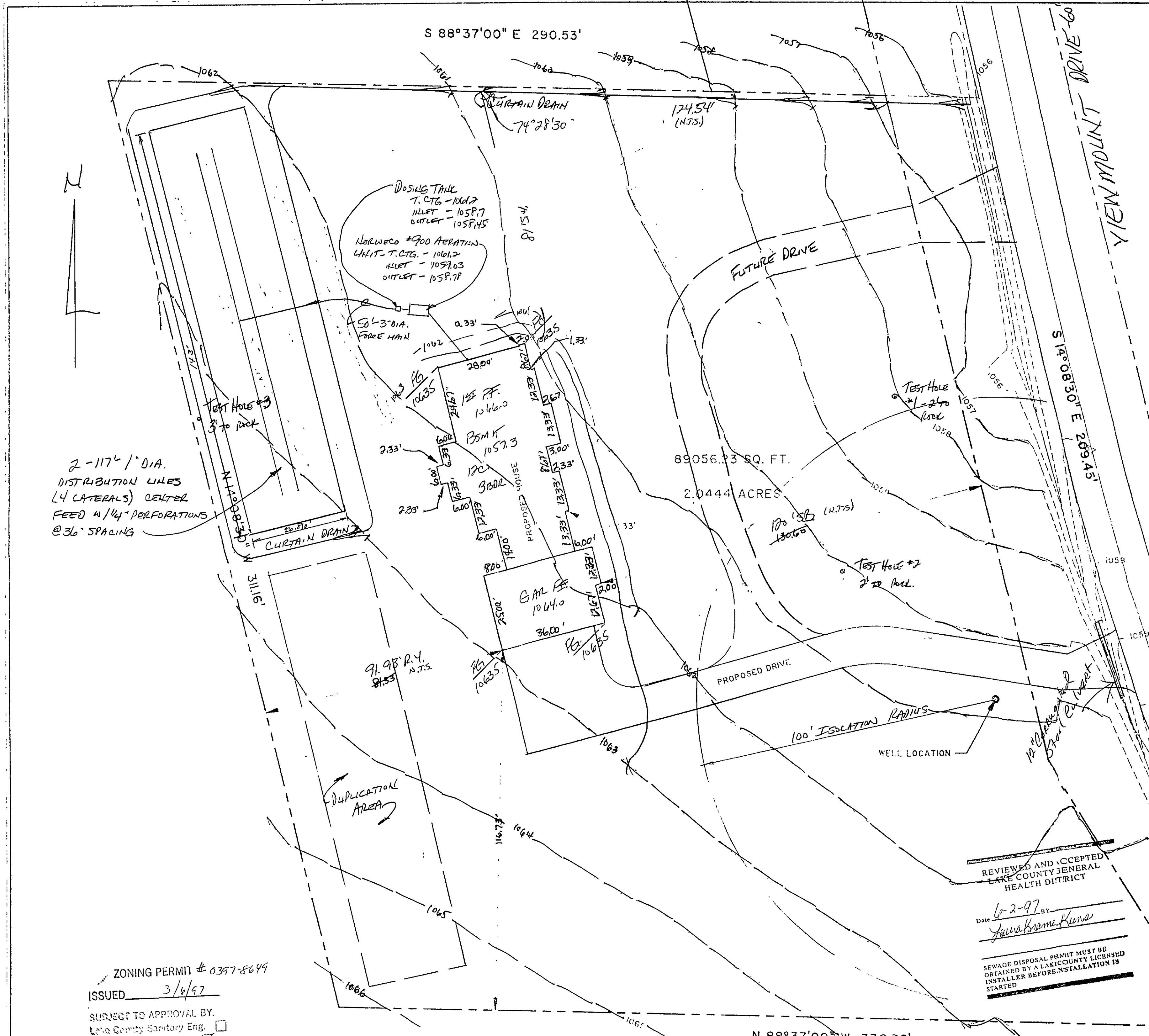
Inspections to be conducted by design engineer at the following phases of construction:

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 herein represent the actual survey made by me and that the elevations were taken at appropriate intervals and that as of that date they existed as indicated hereon."

Name: Harvey S. Jones, Jr. Reg. No. 6313

SEAL OF THE STATE OF OHIO
HARVEY S. JONES, JR.
SURVEYOR
NO. 6313



CONSTRUCTION NOTES

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 ONE FT. BENEATH THE GROUND SURFACE. LAY PIPE BELOW FROST LINE, SLOPING UNIFORMLY BACK TO THE PUMPING CHAMBER SO THAT THE LINE DRAINS AFTER DOSING, BACKFILL AND COMPACT SOL AROUND PIPE TO PREVENT BACK SEEPAGE OF EFFLUENT ALONG THE PIPE.

CHECK THE MOISTURE CONTENT OF THE SOL AT 7-8 IN. DEEP. IF IT IS TOO WET, SWEARING AND COMPACTION WILL RESULT. SOL MOISTURE CAN BE DETERMINED BY ROLLING A SOL SAMPLE BETWEEN THE HANDS. IF IT ROLLS INTO A REBBON, THE SITE IS TOO WET TO PREPARE. IF IT CRUMBLES, SOL 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 RUTTING 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 AROUND THE EDGE OF THE PLOWED AREA. KEEP WHEELS OF TRUCK OFF PLOWED AREAS. MINIMIZE TRAFFIC ON THE DOWNSLOPE 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 SOL.

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 1/2-2 IN. NON-DETERIORATING AGGREGATE.

PLACE THE DISTRIBUTION SYSTEM ON THE AGGREGATE. CONNECT THE MANHOLE TO THE PIPE FROM THE PUMPING CHAMBER. SLOPE MANHOLE TO EFFLUENT PIPE. LAY LATERALS LEVEL, REMOVING RISES AND DIPS.

PLACE 2 IN. OF AGGREGATE OVER THE DISTRIBUTION PIPES.

PLACE 4-5 IN. OF UNCOMPACTED STRAW OR MARSH HAY, UNTREATED BUILDING PAPER OR A SYNTHETIC FABRIC, SUCH AS TYFAR, MARFAT OR THE EQUIVALENT OVER AGGREGATE.

PLACE SOL ON TOP OF THE TRENCHES TO A DEPTH OF 1 FT. IN THE CENTER AND 6 IN. AT THE OUTER EDGE OF THE TRENCHES. THIS MAY BE A SUBSOL OR TOPSOL.

PLACE 6 IN. OF GOOD QUALITY TOPSOL OVER THE ENTIRE MOUND SURFACE. THIS WILL RAISE THE ELEVATION AT THE CENTER OF THE MOUND TO A MINIMUM OF 15 FT. AND THE OUTSIDE EDGES OF THE TRENCHES TO 1 FT.

LANDSCAPE THE MOUND BY SEEDING AND MULCHING. A MIXTURE OF 90% BROODFOOT TREFOIL AND 10% TIMOTHY MAY BE USED IF THE MOUND WILL NOT BE MANICURED. IF MANICURING IS DESIRED, A COMBINATION OF 60% BLUEGRASS, 30% CREEPING RED FESCUE AND 10% ANNUAL RYE GRASS MAY BE USED. SEEDS CAN BE PLANTED AROUND THE BASE AND UP THE SLOPES. THEY SHOULD BE SOMEWHAT MOISTURE TOLERANT SINCE THE TOP OF THE MOUND MAY BE SOMEWHAT MOIST DURING VARIOUS TIMES OF THE YEAR.

ALL LAWS AND RULES OF THE LAKE COUNTY GENERAL HEALTH DISTRICT AND THE OHIO DEPARTMENT OF HEALTH PERTAINING TO INDIVIDUAL SEWAGE DISPOSAL AND WATER SUPPLY SYSTEMS SHALL BE FOLLOWED.

BUILDING CONSTRUCTION SHALL COMPLY TO ALL APPLICABLE REGULATIONS OF THE LAKE COUNTY BUILDING DEPARTMENT.

RESIDENCE MUST UTILIZE WATER SAVING TOILETS, SHOWER-HEADS, AND FAUCETS.

DRAINAGE IMPROVEMENTS OR CHANGES FROM EXISTING GRADE NOTED ON THE APPROVED PLAN SHALL BE INSTALLED PRIOR TO SEWAGE DISPOSAL SYSTEM CONSTRUCTION.

NO OPEN BURNING WILL OCCUR DURING CONSTRUCTION.

DOWNSPOUTS AND FOOTER DRAINS SHALL BE CONNECTED TO THE MOUND SYSTEM CURTAIN DRAIN AS SHOWN ON THE PLANS.

SURFACE WATER SHALL BE DIVERTED AWAY FROM THE MOUND AREA BY THE USE OF SWALES.

SEWAGE LIFT PUMP SHALL BE CAPABLE OF LIFTING RESIDENTIAL SEWAGE EFFLUENT AT A RATE OF 1/2 GPM AT 10 FT. HEAD. THE PUMPING CHAMBER SHALL HAVE A MINIMUM CAPACITY OF 750 GALLONS. THE FLOAT LEVELS SHALL BE ADJUSTED TO PROVIDE FOR A 90 GALLON DOSING VOLUME TO THE MOUND.

ELECTRICAL WORK & EQUIPMENT SHALL CONFORM WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE.

MECHANICAL COMPONENTS SHALL BE INSTALLED IN A PROPERLY VENTED LOCATION AND ALL VENTS, AIR INTAKES AND AIR HOSES SHALL BE PROTECTED FROM SNOW, ICE OR WATER VAPOR ACCUMULATIONS. INSTALLATION SHALL BE MADE TO MINIMIZE RELEASE OF ODORS AND AEROSOLS.

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 MANHOLE IN CASE OF PUMP FAILURE.

Inspections to be conducted by design engineer at the following phases of construction:

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 22nd day of July, 1997, and that the elevations were taken at appropriate intervals and that as of that date they existed as indicated hereon."

Name: Harry S. Jones, Jr. #6343 Reg. No.

ZONING PERMIT # 0397-8649
ISSUED 3/6/97

SUBJECT TO APPROVAL BY:
Lake County Sanitary Eng. ☐
Lake County Health Dept. ☒
Lake County Planning Comm. ☐
Lake County Bldg. Dept. ☒

REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL
HEALTH DISTRICT

Date: 6-2-97 BY: [Signature]

SEWAGE DISPOSAL PERMIT MUST BE
OBTAINED BY A LAKE COUNTY LICENSED
INSTALLER BEFORE INSTALLATION IS
STARTED

SOILS CLASSIFICATION: MITIWIANGA

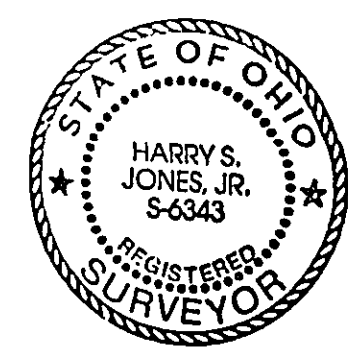
REV.	NO.	DESCRIPTION	DATE	BY	CHK'D
1		Revised septic system	3-17-97	HA	HA
2		Revised septic system	5-30-97	HA	HA

Himebaugh and Novak
Surveyors and Site Consultants
8665 Tyler Boulevard
Mentor, Ohio 44060-4346
(216) 974-7670, (216) 255-5900 FAX.

THE ANDERSON RESIDENCE
PINECREST DRIVE, CONCORD, OHIO

DATE: JAN 6, 1997
DRAWN BY: C.R. KRAFT
CHECKED BY: D. NOVAK
APPROVED BY: [Signature]

TOPOGRAPHICAL SURVEY
VIEWMOUNT DR



CONTRACT NO.
96095