

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. BELOW THE GROUND SURFACE. LAY PIPE BELOW FROST
LINE SLOPING UNIFORMLY BACK TO THE PUMPING CHAMBER SO THAT THE DRAIN
AFTER DRAINING BACKFILL AND COMPACT 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 COMPACTION WILL RESULT. SOIL 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 MOWBOARD OR CUSH. FLOW BY PLOWING PERPENDICULAR TO THE SLOPE.
ROTILLING 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 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 1/2-2 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 LAY. UNTREATED BUILDING PAPER OR
A SYNTHETIC FABRIC, SUCH AS TYFAP, MARAP OR THE EQUIVALENT OVER AGGREGATE.

PLACE SOIL 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 SUBSOIL OR TOPSOIL.

PLACE 6 IN. 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 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 SIDES OF THE TRENCHES. THEY SHOULD BE SOMEWHAT MOSTLY BE TOLERANT SINCE
THE TOE OF THE MOUND MAY BE SOMEWHAT MOST 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, SHOWERHEADS, 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 CLUTAN
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 70 GPM AT 22.5 FT. OF HEAD. THE PUMPING CHAMBER SHALL HAVE A MINIMUM
CAPACITY OF 750 GALLONS. THE FLOAT LEVELS SHALL BE ADJUSTED TO PROVIDE FOR A
150 GALLON DRAINING 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, FLOODING OR SPOILING
PUMPS MUST BE READILY REMOVABLE FROM THE MANHOLE IN CASE OF PUMP FAILURE.

SITE PLAN

CONCEDED TWP. LAKE COUNTY, OHIO

for: J.W. BETTELEY BUILDING

CLIENT OWNER

ADDRESS STREET CITY ZIP

MT. BAY SUBDIVISION
SUBDIVISION 18-18 NAME
VOL. - PG. MT. BAY DE
7 SUBLOT NO. STREET

LOT TRACT
VOLUME PAGE
PERM. PARCEL NO. STREET

LEGEND

SANITARY MANHOLE
STORM MANHOLE
INLET OR CATCH BASIN
HYDRANT
EXISTING CONTOURS
PROPOSED CONTOURS
EXIST. ELEV. 100.0
PROP. ELEV. 100.0

WATER VALVE (GAS)
WATER METER (GAS)
AS BUILT ELEVATION
INDICATES
DIRECTION OF
SURFACE DRAINAGE

REMARKS

ALL BOUNDARY DATA SHOWN WAS OBTAINED FROM IDEEDS, RECORDED
SUBDIVISION PLAT OR OTHER PUBLIC RECORDS)
LOCATIONS AS SHOWN OF ADJACENT WELLS AND SEPTIC TANKS OBTAINED FROM
LAKE COUNTY HEALTH DEPARTMENT

DESIGN CERTIFICATION

THIS PLAT WAS PREPARED BY ME, AND IS CORRECT
TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NAME SURVEYOR REGISTRATION NO.

CHECK LIST

NO. OF BEDROOMS
DIMENSIONS
BEARINGS
TIE TO NEAREST STREET
SUBLOT NO. PARCEL NO.
SUBDIVISION OWNERS
BLDG. DIMENSIONS FIN. GR.
BLDG. TIES ELEV. GRADES
APPROX. TYPE WIDTH THICKNESS
SIDEWALK TYPE DIA. LENGTH
ROCK OUTCROPPINGS

WATER MAIN SIZE, LOCATION
SAN. SEWER SIZE % GR. LOC.
SAN. MH. CAST. ELEV. INV. ELEV.
SAN. CONN. SIZE LOC. DEPTH
STORM SEWER SIZE % GR. LOC.
STORM MH. CAST ELEV. INV. ELEV.
PAV'T TYPE GRADE CURVES
GAS LINE LOC. SIZE PRESSURE
SEPTIC TANK LOCATION & DIMENSIONS
WELL LOCATION
ISOLATION RADIUS FROM WELL

PLAN PREPARED BY:

BABCOCK • JONES & ASSOCIATES, INC.

PAINEVILLE, OHIO

NO. DATE BY
1
2
3
4
5

DRAWN BY
CHK'D.
CHK'D.
CHK'D.
CHK'D.

SCALE 1" =
DATE
APP'D.

PHONE NO.
357-1811
357-1811
357-1811
357-1811

DRAWING NO.
357-1811
357-1811
357-1811
357-1811

"AS BUILT" CERTIFICATION

I, HEREBY CERTIFY THAT THE CIRCLED GRADES ARE EXISTING
FINISH GRADES CHECKED IN THE FIELD ON 19
AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED SURVEYOR REG. NO.