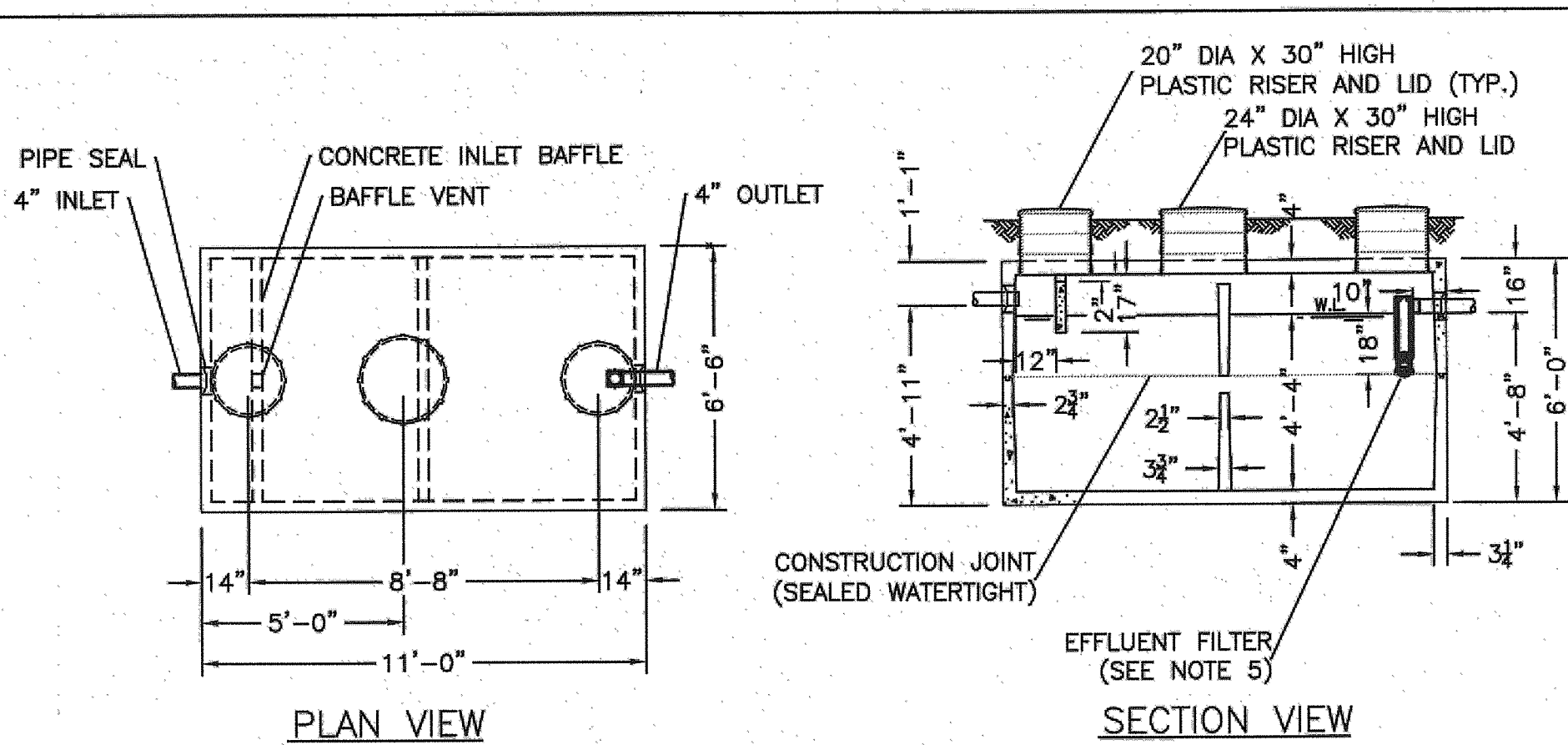
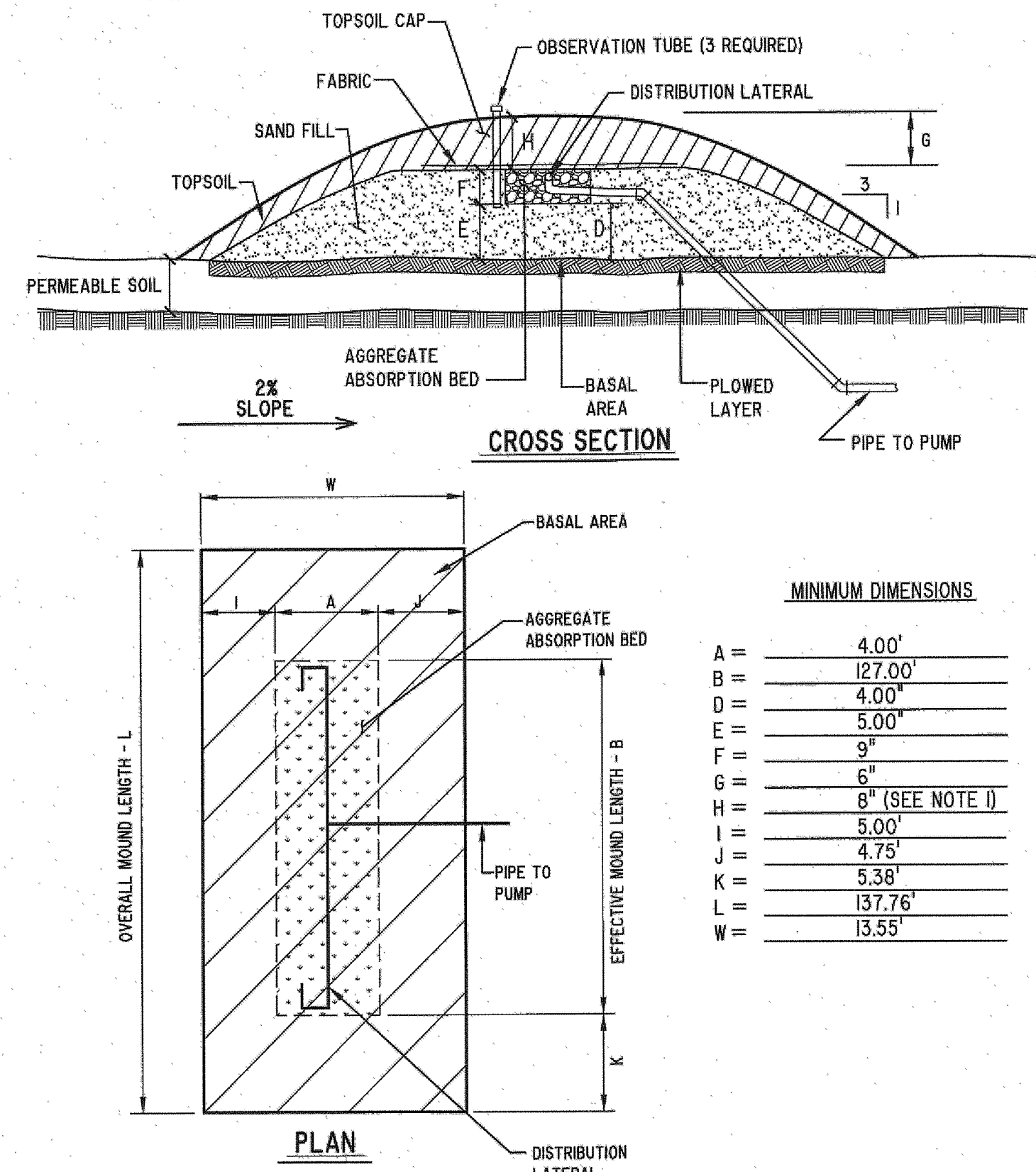


MOUND SAND FILL MUST MEET THE REQUIREMENTS OF FIGURE 5 (WISCONSIN MOUND SOIL ABSORPTION SYSTEM: SITTING, DESIGN AND CONSTRUCTION MANUAL) WHICH IS INCLUDED IN THE DESIGN PACKET. MOUND SAND LOADING RATE SHALL NOT EXCEED 1.0 GAL/DAY/SF. (PER MANUAL RECOMMENDATIONS)

MOUND CALCULATIONS	
NUMBER OF BEDROOMS	4
BASE FLOW RATE (GPD)	480
DIVERSITY FACTOR	-
DESIGN FLOW RATE (GPD)	480
EFFECTIVE MOUND LENGTH	127.00'
OVERALL MOUND LENGTH	137.76'
DESIGN LINEAR LOADING RATE (GPD/LF)	3.80
DESIGN SAND LOADING RATE (GPD/SF)	1.00
MAXIMUM ALLOWABLE BASAL LOADING RATE (GPD/SF)	0.40
ABSORPTION BED AREA (SF)	508

NOTE: 1. THE ENTIRE MOUND SHALL HAVE A MINIMUM OF 6" OF SETTLED TOPSOIL, BUT THE CENTER SHALL BE CROWNED TO 8" MINIMUM TO PROMOTE RUNOFF.

2. ORIFICES SHALL BE PLACED UPWARD EXCEPT FOR THE FIRST AND LAST ONE IN EACH LATERAL. EACH LATERAL SHALL BE PLACED INSIDE A 4" PERFORATED PIPE IN ORDER TO PROVIDE ORIFICE SHIELDING. OTHER SHIELDING METHODS MAY BE USED IF APPROVED BY THE LAKE COUNTY HEALTH DEPARTMENT.



NOTES:

1. REINFORCED PRECAST CONCRETE TO HAVE A COMPRESSIVE STRENGTH OF 5000 PSI @ 28 DAYS.
2. PRECAST CONCRETE TANK SHALL MEET OR EXCEED SPECIFICATIONS AS SET BY O.A.C. RULE 3701-293-11.
3. CONCRETE JOINT SEALANT CONFORMS TO ASTM C-990.
4. TANK SEALS CONFORM TO ASTM C-923.
5. EFFLUENT FILTER RETAINS SOLIDS GREATER THAN 1/16" AND CONFORMS TO ASTM C-1227. (USE ZOELLER WWI EFFLUENT FILTER)
6. STAMP OR LABEL TOP OF TANK AS FOLLOWS:
MACK INDUSTRIES LOGO
2000 GAL. TANK CAPACITY
DATE OF MANUFACTURE

STATE APPROVAL PENDING

DUAL COMPARTMENT 2000 GALLON SEPTIC TANK

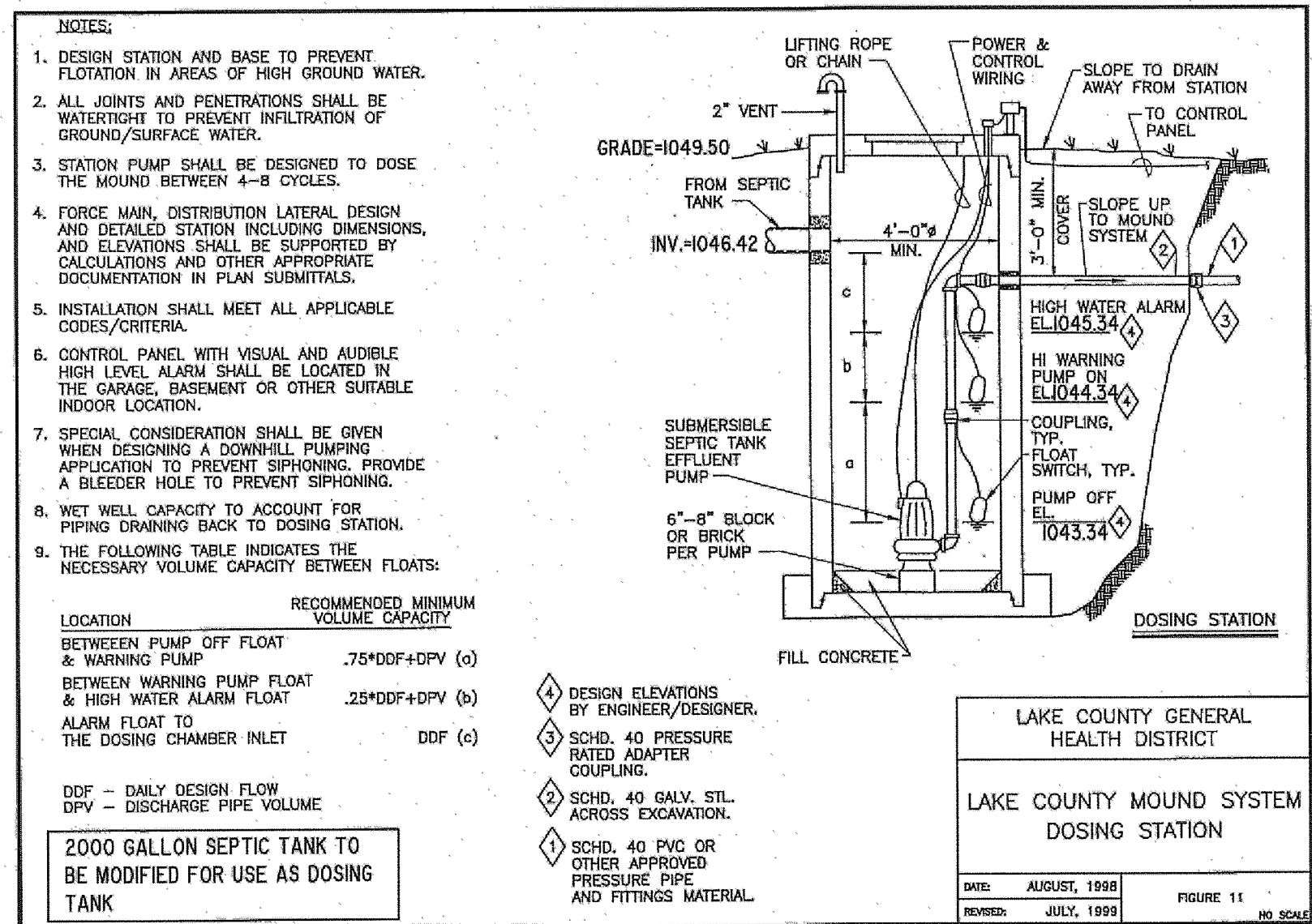
O.D.H. 2007 COMPLIANCE, OAC RULE 3701-29-11

DRAWN BY: CJ SCALE: 1/4"=1'-0" DRAWING NO.:
DATE: 4/5/07 REV: D 1000 GAL

MACK INDUSTRIES, INC.

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REVISIONS	BY
REVISED PER LCHD MAY 7, 2004	WSO

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DETAILS

12442 CONCORD-HAMBER ROAD
CONCORD TWP., OHIO 44077

BEZDEK RESIDENCE

DRAWN WSO
CHECKED DWN
DATE APR. 2, 2014
SCALE 1" = 30'
JOB NO. 13093.03
SHEET 2/2