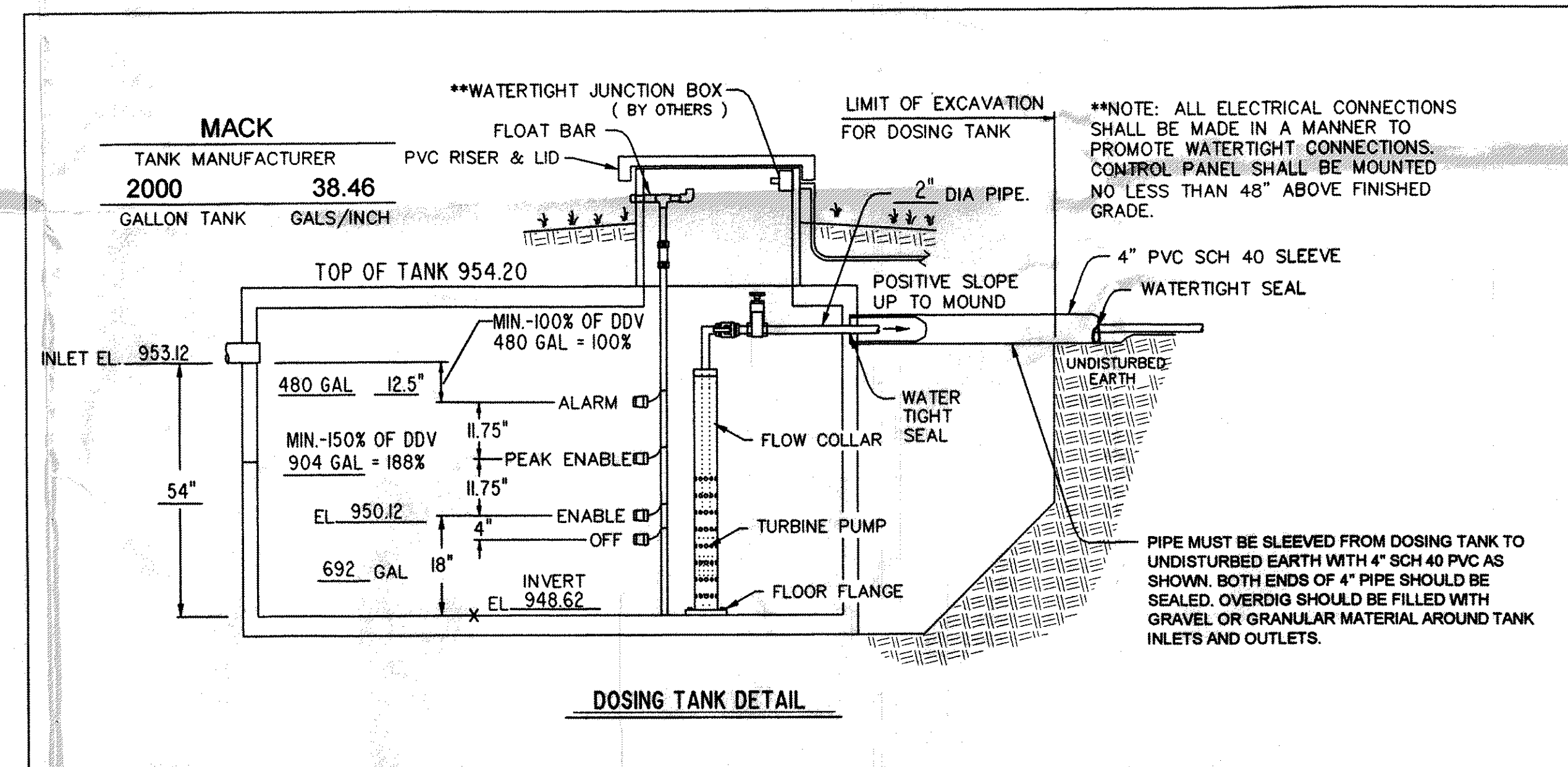
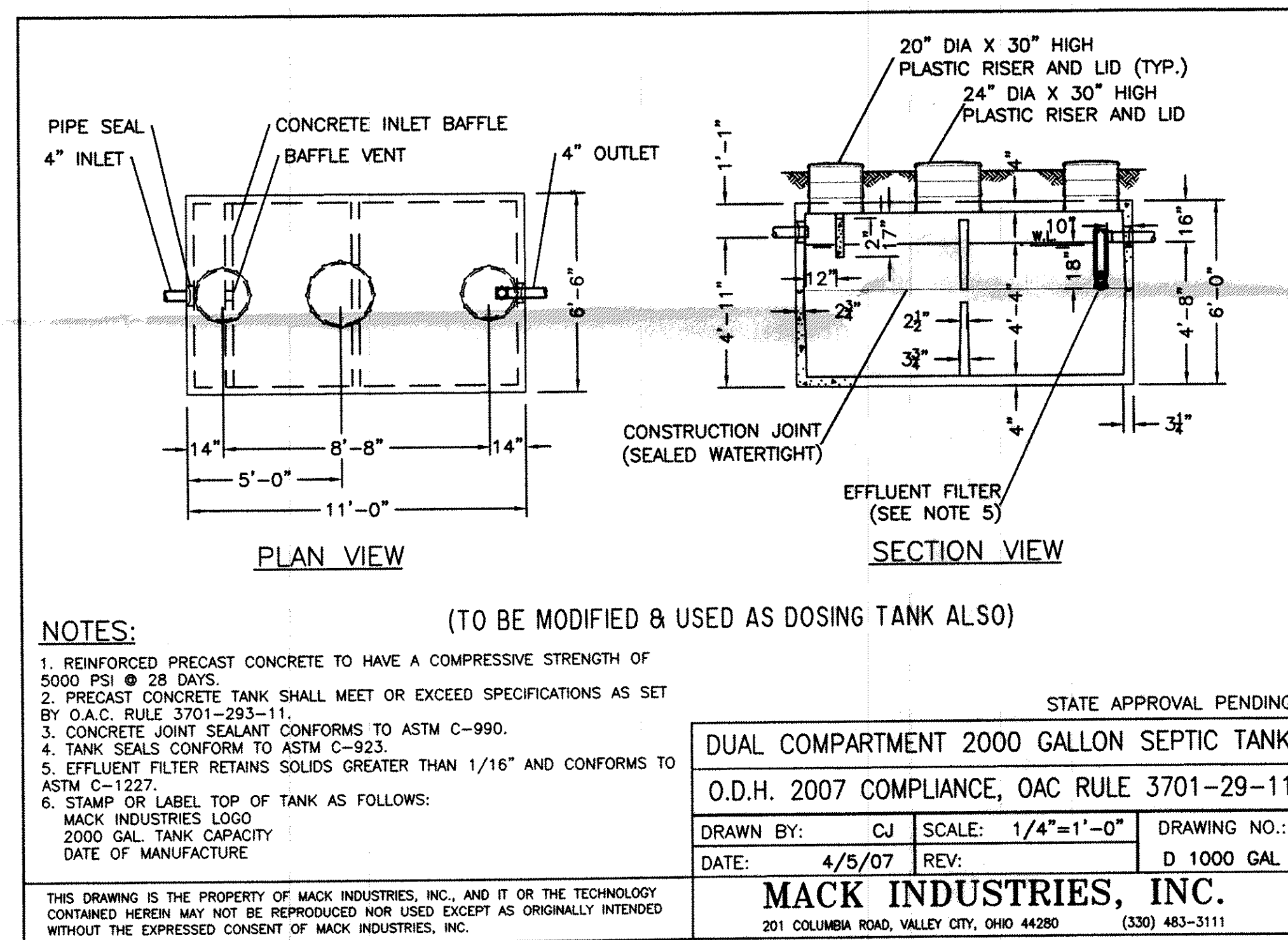
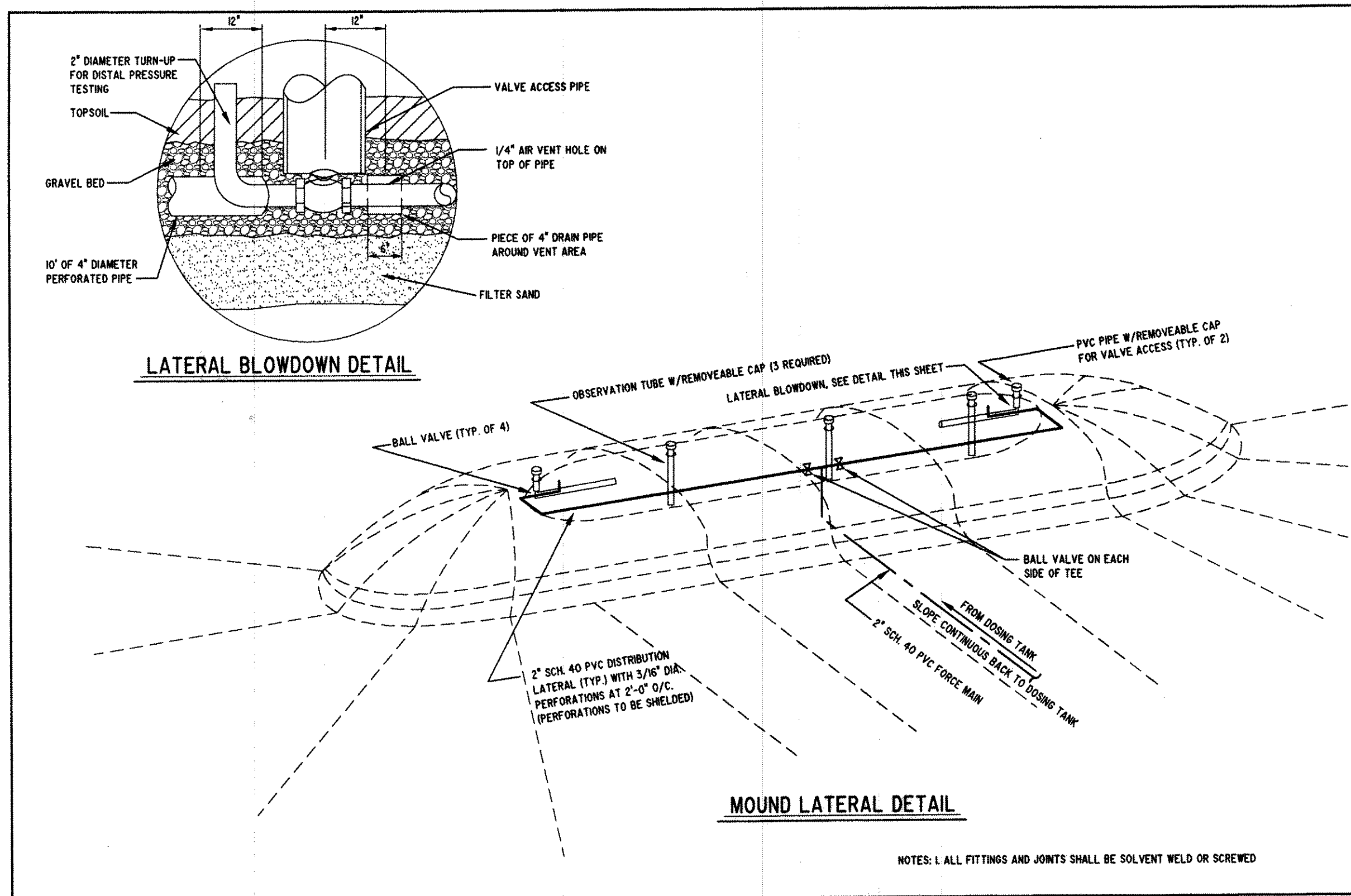


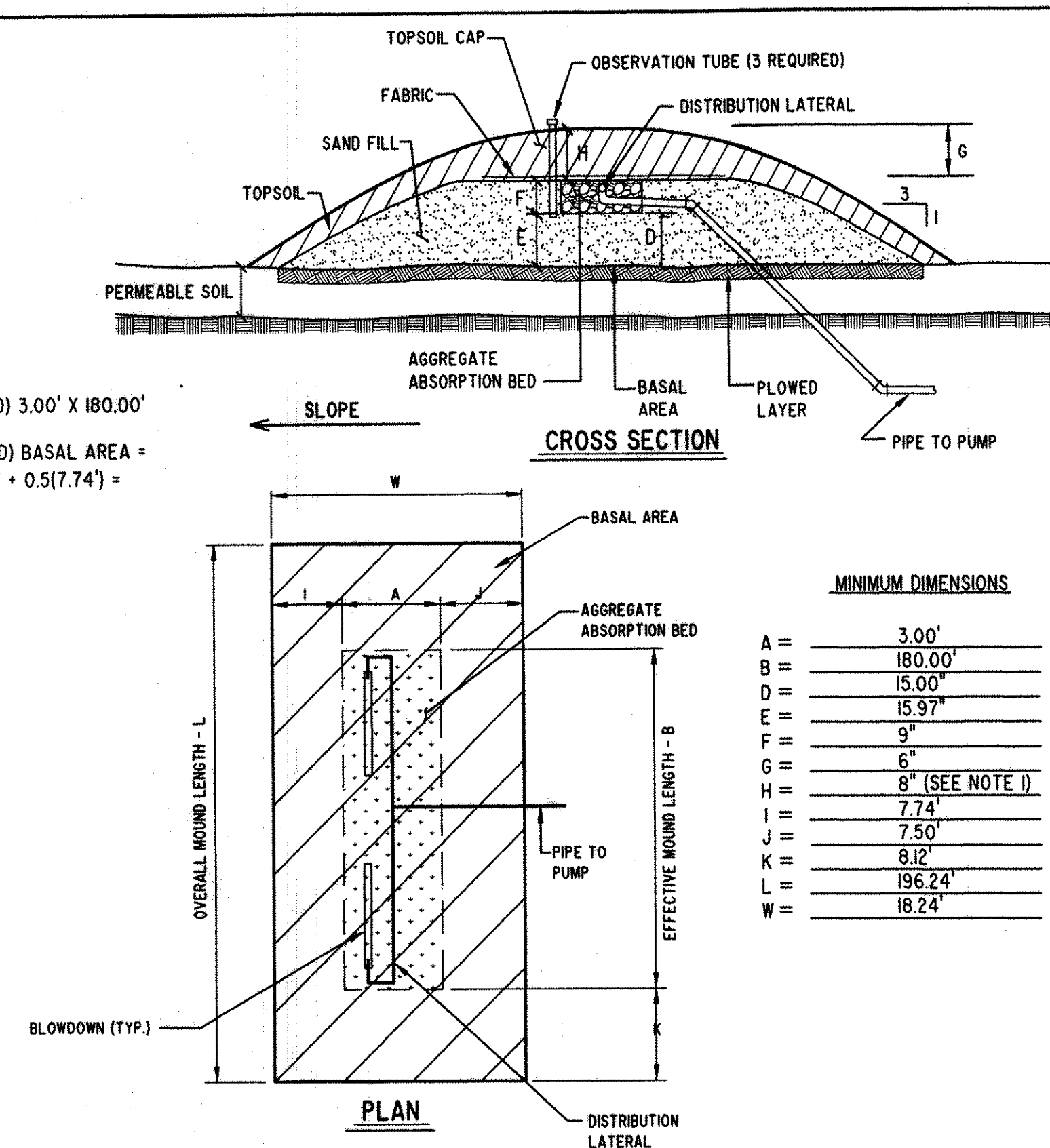


MOUND CALCULATIONS

NUMBER OF BEDROOMS	4
BASE FLOW RATE (GPD)	480
DIVERSITY FACTOR	-
DESIGN FLOW RATE (GPD)	480
EFFECTIVE MOUND LENGTH	180.00
OVERALL MOUND LENGTH	196.24'
DESIGN LINEAR LOADING RATE (GPD/LF)	2.70
DESIGN SAND LOADING RATE (GPD/SF)	1.00 (0.89 PROPOSED) 3.00' X 180.00'
MAXIMUM ALLOWABLE BASAL LOADING RATE (GPD/SF)	0.60 (0.39 PROPOSED) BASAL AREA =
ABSORPTION BED AREA (SF)	540 180.00' X (3.00' + 0.5(7.74')) = 1236.6 SF

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 PERFORATION SHIELDING. OTHER SHIELDING METHODS MAY BE USED IF APPROVED BY THE LAKE COUNTY HEALTH DEPARTMENT.



REVISIONS	BY
12/21/11	TDR

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SITE PLAN
10128 QUARRY CT., KIRTLAND, OHIO 44094
S/L 9 CHAPIN LEDGES SUBDIVISION VOL. 54 PG. 8

HOSTELLEY RESIDENCE

DRAWN
WSD
CHECKED
DWN
DATE
NOV. 22, 2011
SCALE
NONE
JOB NO.
11101
SHEET
2/2
OF SHEETS