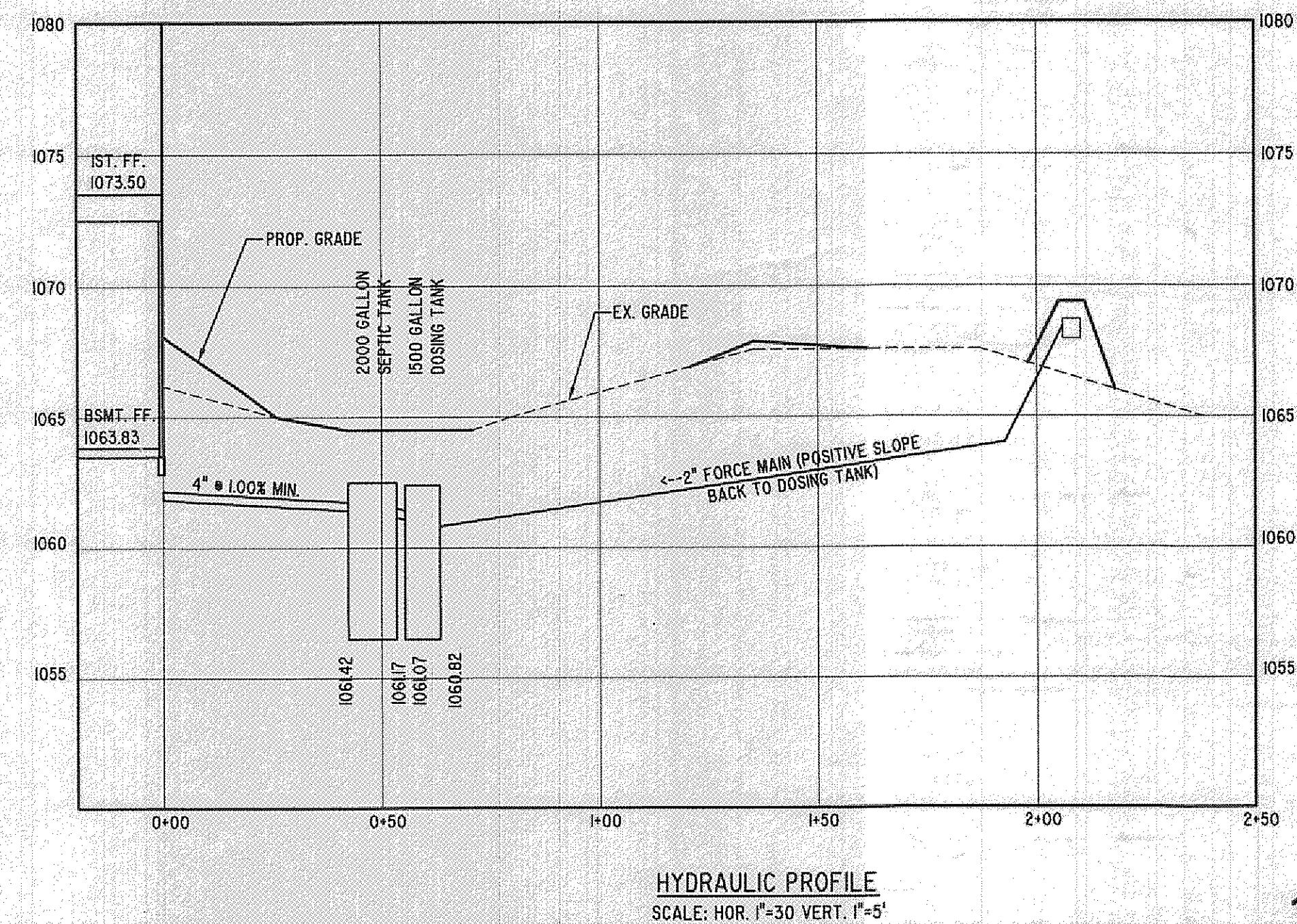
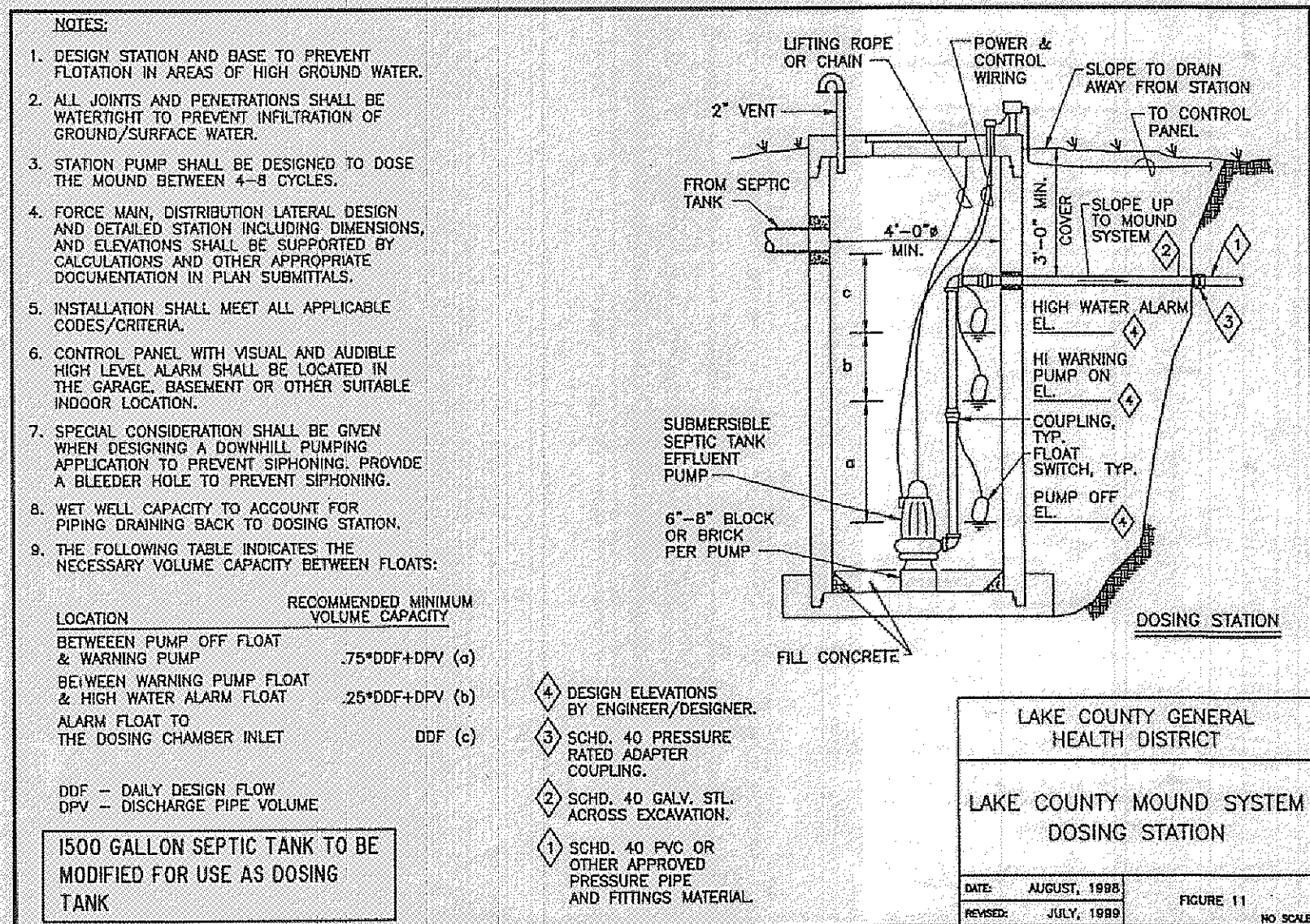
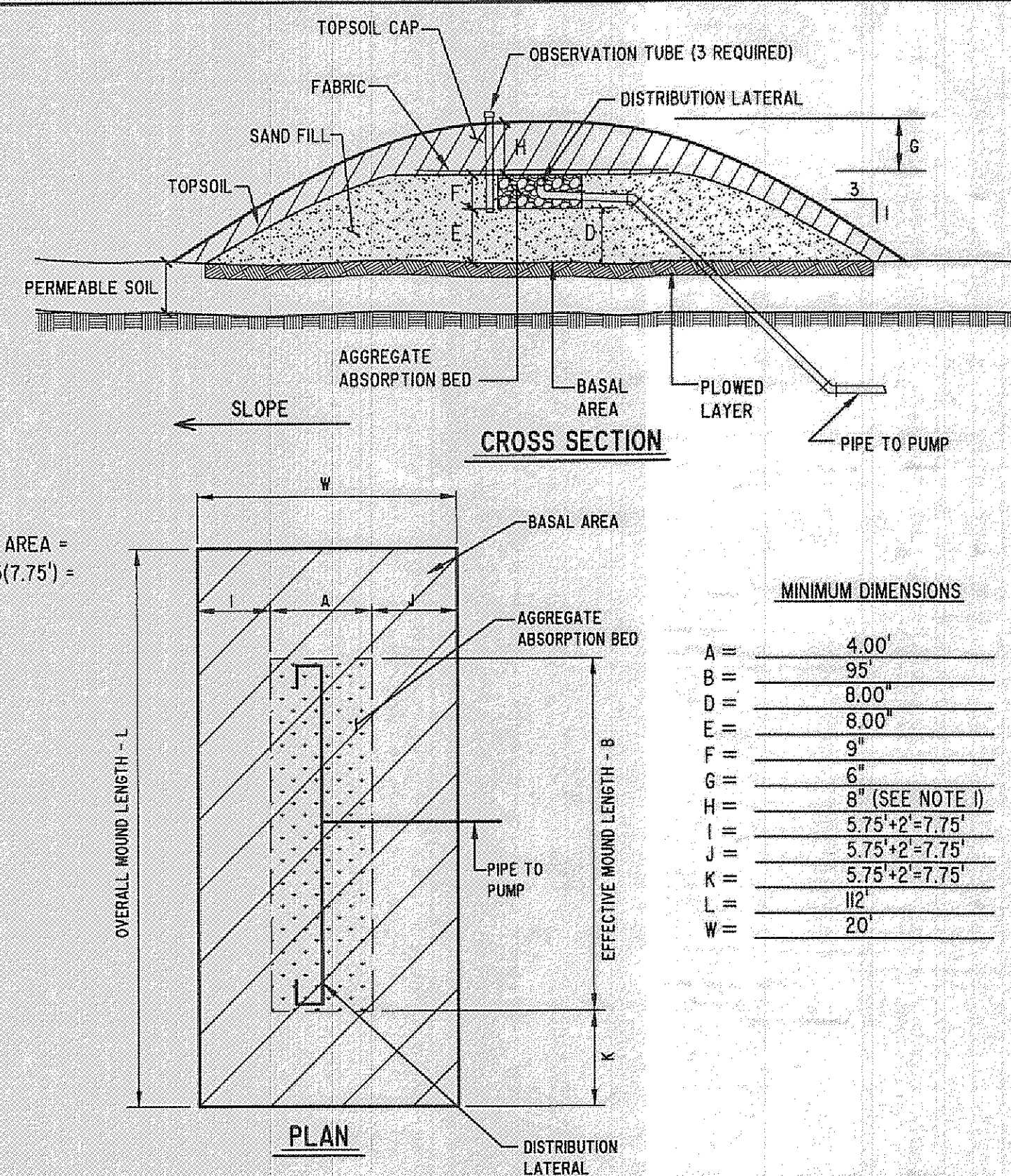


MOUND SAND FILL MUST MEET THE REQUIREMENTS OF FIGURE 5 (WISCONSIN MOUND SOIL ABSORPTION SYSTEM: SITTING, DESIGN AND CONSTRUCTION MANUAL) WHICH IS INCLUDED IN THE DESIGN PACKET. MOUND SAND LOADING RATE SHALL NOT EXCEED 1.0 GAL/DAY/SF. (PER MANUAL RECOMMENDATIONS)

MOUND CALCULATIONS	
NUMBER OF BEDROOMS	3
BASE FLOW RATE (GPD)	360
DIVERSITY FACTOR	-
DESIGN FLOW RATE (GPD)	360
EFFECTIVE MOUND LENGTH	95'
OVERALL MOUND LENGTH	112'
DESIGN LINEAR LOADING RATE (GPD/LF)	3.80
DESIGN SAND LOADING RATE (GPD/SF)	1.00 (0.95 PROPOSED)
MAXIMUM ALLOWABLE BASAL LOADING RATE (GPD/SF)	0.60 (0.38 PROPOSED)
ABSORPTION BED AREA (SF)	380 95' X (4.00' + 2.00' + 0.5(7.75')) = 938 SF

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



REVISIONS	BY
8/13/13	TDR

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**SITE PLAN**  
7116 KNIFFEN ROAD  
LEROY TOWNSHIP - LAKE COUNTY - OHIO  
REPLOGLE RESIDENCE

DRAWN  
TDR  
CHECKED  
DWN  
DATE  
JULY 17, 2013  
SCALE  
AS NOTED  
JOB NO.  
13056  
SHEET  
2/2  
OF SHEETS

13056