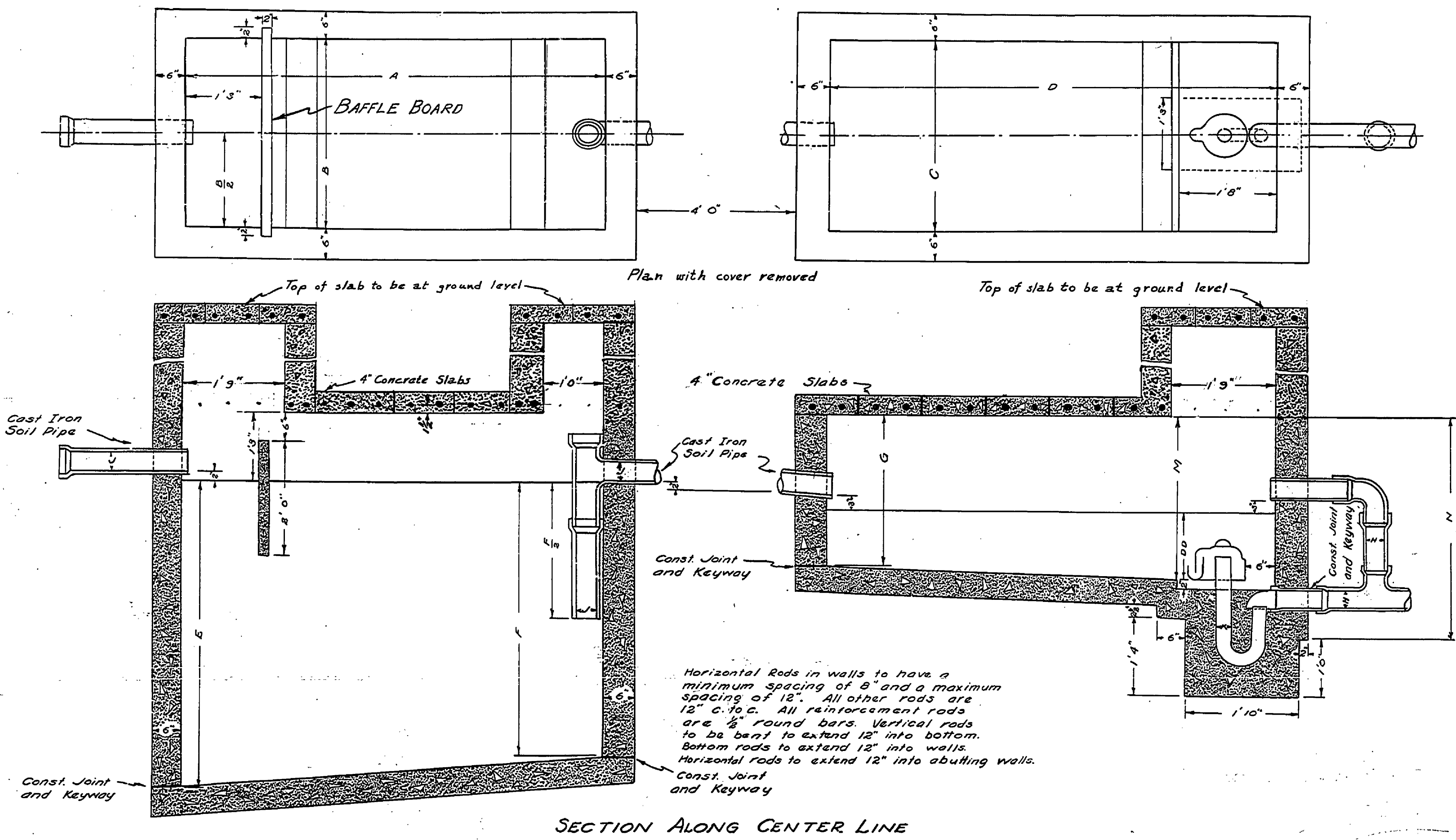


TYPICAL PLANS FOR SEPTIC TANK & DOSING CHAMBER
UNIT LATRINES (A) & CENTRAL LATRINE & MESS HALL (I)



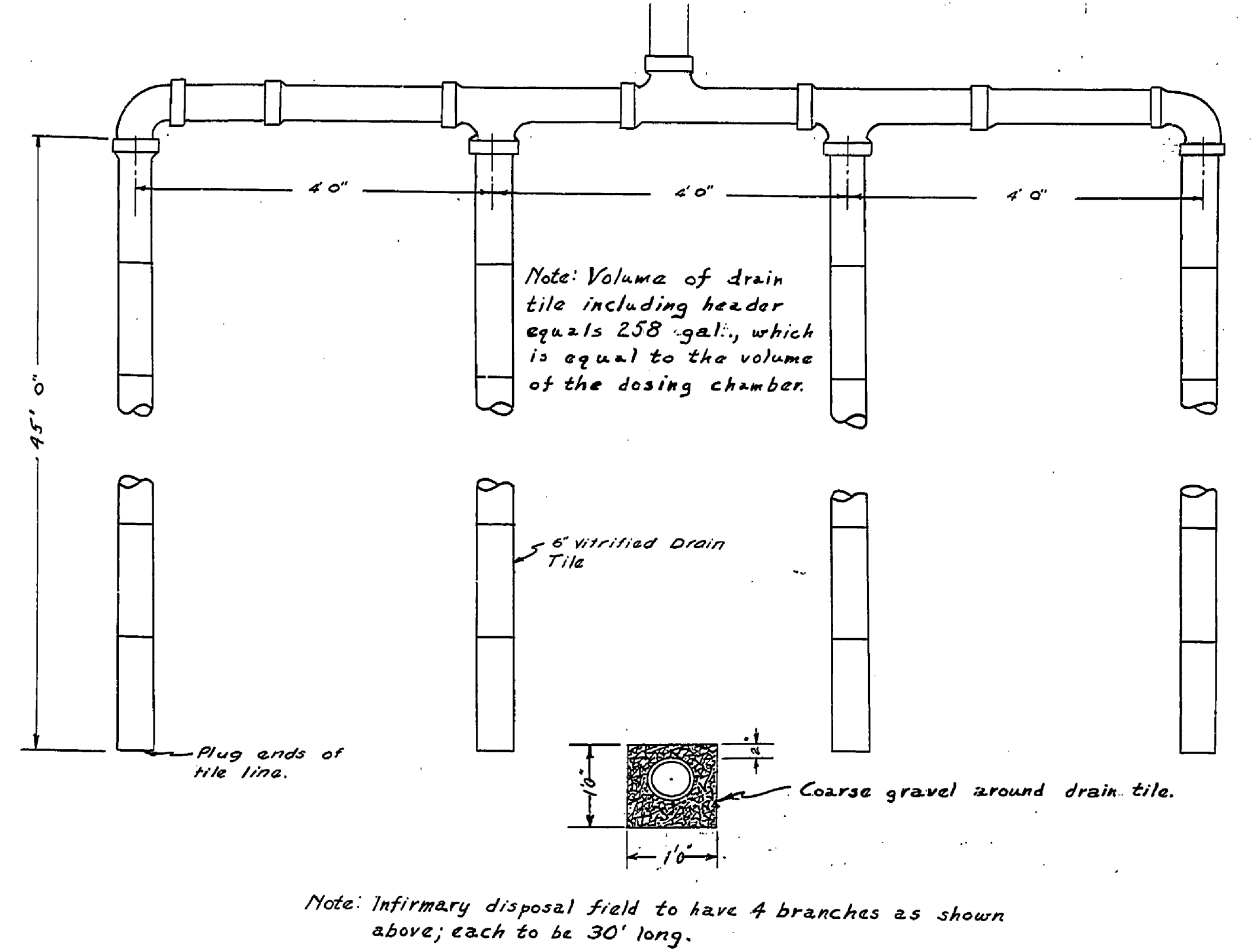
SECTION ALONG CENTER LINE

	Septic Tank				Dosing Chamber					Siphon					
	Cap. in. Dia.	A	B	E	F	Cap. in. Dia.	C	D	G	M	N	DD	K	H	J
Groups 1 to 4 (Each)	754	8'0"	2'6"	5'4"	4'9"	253	4'2"	7'6"	2'8"	2'10"	3'8"	13"	3"	6"	6"
Central Latrine	3208	15'3"	3'9"	8'0"	7'0"	1078	6'2"	16'6"	2'10"	3'0"	3'10"	17"	4"	6"	6"

Location of Bar	Group 1 to 4 (Each)		Mess Hall & Laundry	
	No. Per. Each	Length Each	No. Per. Each	Total Length
Longitudinal Bar in Bottom of Septic Tank	3	10' 5"	2	17' 0"
Transverse Bars in Bottom of Septic Tank	9	3' 7"	12	6' 2"
Longitudinal Bars in Bottom of Chamber	5	9' 11"	7	18' 11"
Vertical Bars in Deep End of Tank	4	7' 7"	4	10' 3"
Horizontal Bars in Deep End of Tank	7	4' 11"	9	6' 2"
Vertical Bars in Shallow End of Tank	4	7' 0"	4	9' 3"
Horizontal Bars in Shallow End of Tank	6	4' 11"	8	6' 2"
Vertical Bars in 2 Ends of Chamber	10	3' 10"	14	4' 0"
Horizontal Bars in 2 Ends of Chamber	10	5' 7"	10	8' 7"
Vertical Bars in 2 Sides of Chamber	18	4' 0"	34	4' 0"
Horizontal Bars in 2 Sides of Chamber	10	9' 11"	10	18' 11"
Vertical Bars in 2 Sides of Tank	14	10' 8"	18	17' 8"
Horizontal Bars in 2 Sides of Tank	4	7' 7"	4	10' 3"
" " " " " "	2	7' 6"	4	10' 2"
" " " " " "	2	7' 5"	4	10' 1"
" " " " " "	2	7' 4"	2	10' 0"
" " " " " "	2	7' 3"	2	9' 11"
" " " " " "	2	7' 2"	2	9' 10"
" " " " " "	2	7' 1"	2	9' 9"
" " " " " "	2	7' 0"	2	9' 8"
" " " " " "	2	6' 11"	2	9' 7"
" " " " " "	2	6' 10"	2	9' 6"
" " " " " "	2	6' 9"	2	9' 5"
" " " " " "	2	6' 8"	2	9' 4"
" " " " " "	2	6' 7"	2	9' 3"
Transverse Bars in Bottom of Chamber	9	6' 7"	17	8' 7"
Bars in Top Slab of Tank	10	3' 2"	32	4' 5"
Bars in Top Slab of Chamber	10	4' 10"	34	6' 10"
Total 1/2" Round Reinforcing Steel	160	388' 10"	252	2092' 6"

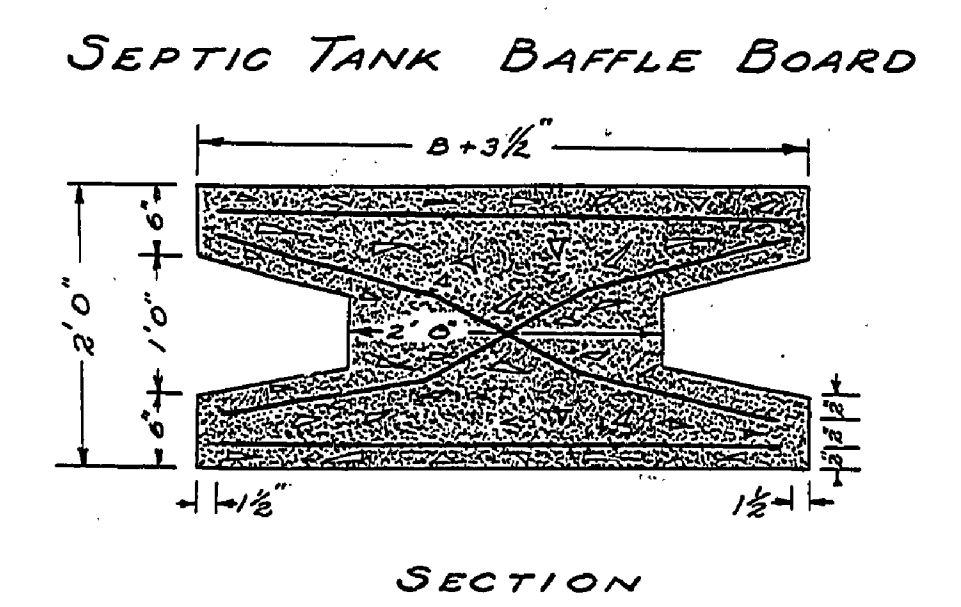
All steel to be deformed bars.

DISPOSAL FIELD - FOR UNIT LATRINES (A)



Top Slab Dimensions		
Location	Septic Tank	Dosing Chamber
Groups 1 to 4	4' x 1' 0" x 3' 6"	4' x 1' 3/4" x 5' 2"
Central Group	4' x 1' 0" x 4' 9"	4' x 1' 3/8" x 7' 2"
Infirmiry	4' x 1' 0" x 3' 3"	

Bill of Cast Iron Soil Pipe & Fittings			
Location	Size and Type		
	Group 1-4	Cent. Group	Infirm.
Inlet-Septic Tank	6" Well Pipe	6" Well Pipe	6" Well Pipe
Outlet-Septic Tank	6" Well Pipe	6" Well Pipe	6" Well Pipe
Inlet-Chamber	6" Well Pipe	6" Well Pipe	
Outlet-Chamber	6" Well Pipe	6" Well Pipe	6" Well Pipe
Air Vent-Chamber	6" 1/2 Bend	6" 1/2 Bend	6" 1/2 Bend
Air Vent-Chamber	6" Well Pipe	6" Well Pipe	6" Well Pipe
Outlet-Septic Tank	6" Tee	6" Tee	6" Tee
Outlet-Tank	6" St	6" St	6" St



APPROVED BY MICHIGAN DEPT. OF HEALTH
Edwards Rich
DIRECTOR BUREAU OF ENGINEERING

APPROVED BY MICHIGAN CONSERVATION COMMISSION
A. S. Eastman
SUPERINTENDENT OF STATE PARKS

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
COOPERATING WITH
MICHIGAN CONSERVATION COMMISSION

DESIGNED BY J.L.A.
CHECKED BY FLH
PREPARED BY J.L.A.
RECOMMENDED BY J.L.A.
APPROVED BY J.L.A.

YANKEE SPRINGS
LONG LAKE DISPOSAL TANKS
DETAILS
GRAPHIC SCALE

PLAN NO. 90-55
SCALE 1/4" = 1'-0"
DESIGNATION-CAMP
R-D-P-MI-6
DATE 2-12-57

DATE 6-1-57
DATE 6-3-57
DATE