



50mm $\phi$ G.I PIPES REQUIRED		
OVERALL LENGTH	NO. OF HOLES PER PIPE	NUMBER REQUIRED
900mm	5	4
1300mm	7	2
1700mm	9	2
2100mm	11	4
TOTAL NUMBER OF NOZZLES REQUIRED = 96		

FILTER CONSTRUCTION			
MATERIAL	DIA. (mm)	DEPTH (mm)	LOCATION
GRAVEL	38-20	75	BOTTOM
	20-12	75	"
	12-5	75	"
	5-2	75	"
COARSE SAND EFFECTIVE SIZE	1.0	75	MIDDLE
SAND EFFECTIVE SIZE UNIFORMITY COEFFICIENT	0.5	750	TOP
TOTAL THICKNESS OF STRUCTURE		1125	

COUNTY GOVERNMENT OF KERICHO  
DEPARTMENT OF WATER,  
ENERGY, ENVIRONMENT, FORESTRY &  
NATURAL RESOURCES



**20 m<sup>3</sup>/H CAPACITY COMPOSITE FILTRATION UNIT  
(USEFUL RANGE 15-25m<sup>3</sup>/H )**

DESIGNED	C. BRENDHECKE		SHEET 4 OF 4
DRAWN	P. MATUNDURA	APRIL 1973	SCALE: AS SHOWN
DIGITIZED	ALUCHID M.F	JUNE 2009	DRG. NO.
CHECKED	ENG. B.I KASABULI	JUNE 2009	M.W.I
APPROVED	D.W.S	JUNE 2009	F2/15A