

NOTES:

**FOR AQUAROBIC INTERNATIONAL, INC.
THE 600 GPD MINI-PLANT AND FILTER BED SYSTEM:**

**MINI-PLANT AND FILTER BED SYSTEM ON 12" OF ORIGINAL SOIL TO THE LIMITING ZONE, THE TOP AREA OF THE FILTER BED SURFACE
600 GAL. / 4 GAL./SQ. FT. = 150 SQ. FT. (ACTUAL SIZE 12'-6" X 12'-6" = 156.25)
WITH SIDE SLOPES ON A MINIMUM OF 3 TO 1.**

PERCOLATION UP TO 120 MIN./INCH USE FORMULA: $A = \frac{Q \times T}{25}$

**A = TOTAL AREA
Q = QUANTITY OF WASTEWATER / DAY
T = PERCOLATION TIME OF THE TOP 12" OF SOIL IMMEDIATELY BELOW THE CONTACT AND MANTLE AREA**

SAMPLE: 600 GPD. X 120 MINUTES/INCH DIVIDED BY 25 = 2,880 SQ. FT.

**TOTAL AREA: CONTACT + MANTLE = 54'-0" X 54'-0" = 2,916 SQ. FT.
600 GAL. / 2,916 SQ. FT. = 0.20 GAL. / SQ. FT. / DAY APPLICATION RATE**

PERK ABOVE 120 REQUIRED A DOUBLE RING INFILTRMETER TEST

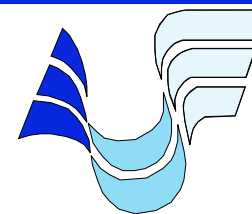
THE PLANTING OF THE WATER LOVING TREES AND KENTUCKY 31 TALL FESCUE GRASSES OVER THE TOTAL AREA INCLUDING THE FILL MATERIAL THAT OVERLAPS THE CONTACT AREA IS PART OF THE TOTAL AQUAROBIC INTERNATIONAL, INC. MINI-PLANT & FILTER BED SYSTEM.

WE RECOMMEND HYDRO SEEDING THE TOTAL AREA INCLUDING 3 TO 1 SLOPES

THE AMOUNT OF FILL MATERIAL REQUIRED TO LEVEL THE AREA WILL DEPEND ON THE SLOPE OR GRADE OF THE SITE.

2% Slope = 245 cu./Yds Fill Material	2'-0"	4'-0"
4% Slope = 418 cu./Yds Fill Material	6'-0"	8'-0"
6% Slope = 910 cu./Yds Fill Material	10'-0"	12'-0"
8% Slope = 1,656 cu./Yds Fill Material	14'-0"	16'-0"
10% Slope = 2,529 cu./Yds Fill Material		
12% Slope = 3,658 cu./Yds Fill Material		
14% Slope = 5,030 cu./Yds Fill Material		
16% Slope = 6,502 cu./Yds Fill Material		

© Aquarobic International, Inc. 2009



AQUAROBIC®

INTERNATIONAL, INC.

5800 Prillaman Switch Rd., Virginia, USA. 24088

1-800-927-8304

E. Mail: Dan@aquarobicinternational.com

Phone: (540) 365-0154 / Fax: (540) 365-0155

Web Page: <http://www.aquarobicinternational.com>

Scale : N.T.S.

By: D. E. Pavón

**AQUAROBIC INTERNATIONAL, INC.
THE FILTER SYSTEM SYSTEM**

Drawing # 11022004-2345

12/30/2009

**THE AQUAROBIC INTERNATIONAL, INC.
SAMPLE FILTER BED SYSTEM
120 MIN/INCH SOIL AND**

N.T.S. WITH A MINIMUM OF 47" SEPARATION TO RESTRICTION