SUNTREE TECHNOLOGIES MODEL NO. NSBB 6—12—84

FLOW, TREATMENT, & BYPASS SPECIFICATIONS FOR THE BIOMASS SEPARATING BASKET

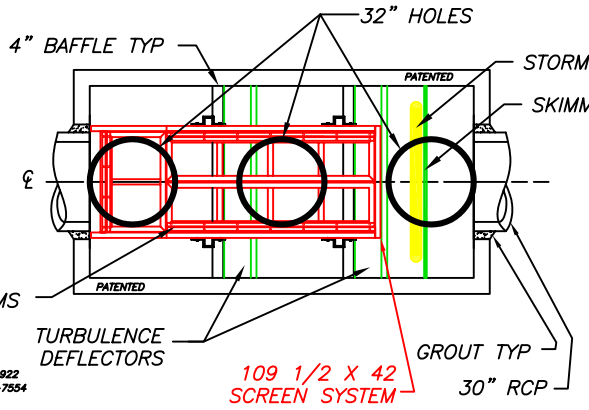
1. Inflow Pipe Area	7.0 SQ.FT.
2. Open Orifice Area in Biomass Separating Basket	34.5 SQ.FT.
3. Treatable Flow Area With No Blockage	34.5 SQ.FT.
4. Treatable Flow Area With 50% Blockage	17.2 SQ.FT.
5. Treatable Flow Area With 75% Blockage	8.6 SQ.FT.

BASKET STORAGE = 58 CU. FT. (2.1 YDS.)

SEDIMENT STORAGE

Lower Front Chamber	72 CU. FT.
Lower Middle Chamber	67.5 CU. FT.
Lower Rear Chamber	67.5 CU. FT.
TOTAL	207 CU. FT. (7.6 YDS.)

RECOMMENDED PIPE SIZES: 18" to 36"

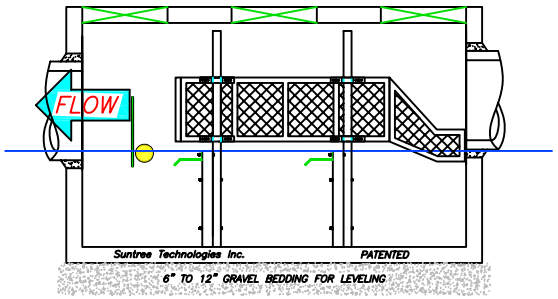


PLAN VIEW

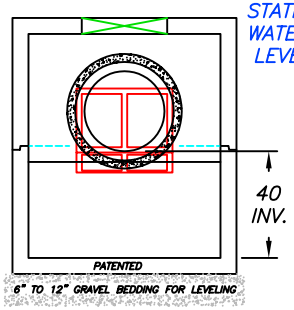
PATENTED
AND PATENTS PENDING

THE STRUCTURE IN THIS DRAWING IS PRIMARILY INTENDED TO BE INSTALLED IN OFF ROAD LOCATIONS WITH LESS THAN 5' OF COVER. STRUCTURES ARE READILY AVAILABLE FOR ALL OTHER CONDITIONS. CONSULT SUNTREE TECHNOLOGIES' REPRESENTATIVE FOR DETAILS.

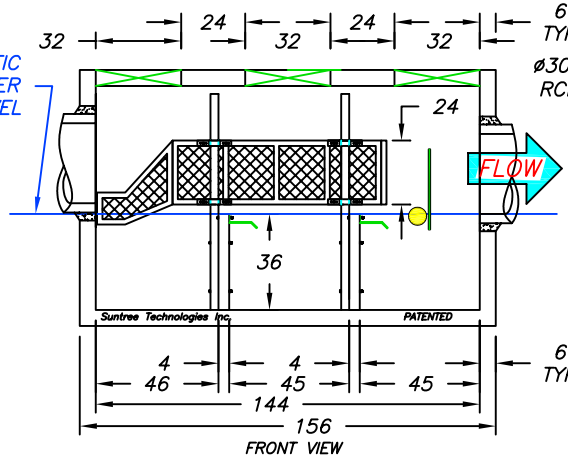
Suntree Technologies Inc.
798 Clearlake Road, Cocoa, Florida 32922
PH: 321-637-7552 Fax: 321-637-7554



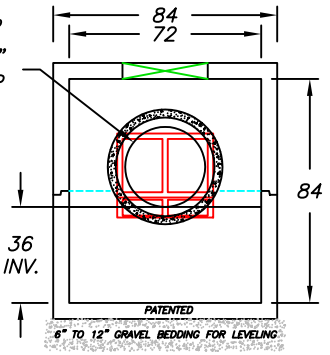
REAR VIEW



LEFT END VIEW



FRONT VIEW



RIGHT END VIEW

NOTES:

1. CONCRETE 28 DAY COMPRESSIVE STRENGTH fc=5,000 PSI.
2. REINFORCING: ASTM A-615, GRADE 60.
3. SUPPORTS AN H20 LOADING AS INDICATED BY AASHTO.
4. JOINT SEALANT: BUTYL RUBBER SS-S-00210
5. ALL WALLS, TOP + BOTTOM ARE 6" THICK.

PEAK DESIGN FLOW
46.2 C.F.S.

TREATMENT DESIGN
24 C.F.S.

SUNTREE TECHNOLOGIES, INC. 798 CLEARLAKE RD. SUITE #2 COCOA, FL. 32922		PROJECT: SUNTREE TECHNOLOGIES SPEC.
NUTRIENT SEPARATING BAFFLE BOX MODEL NO.NSBB 6-12-84		REVISIONS: / DATE:
DATE: 03/25/05	SCALE:SF = 72	REVISIONS: / DATE:
DRAFTER: N.R.B.	UNITS =INCHES	REVISIONS: / DATE:
		REVISIONS: / DATE: