

# Creating Chamber Shelves

**System Designed**  
**54 ADS BioDiffuser Bio 2 Plastic Chambers**  
**9 rows X 6 units long**  
**6" Edge to Edge Separation**  
**8" Fill Above Chambers**

**Toggle Shelf mode ON/OFF**

**Chambers on Shelves**

**Create Shelves**      **Shelf Help**

**Distance btw Shelves [in]->** 12

**Shelf Sequence ->** 3 3 3

\* 3 shelves of 3 units each

**Edge to Edge Shelf Separation**

**Existing Grades at Field Corners Elevations Set at**

Uphill	-50
Downhill	-70

**SeptiCAD v2.1 State of Maine Edition**

**System Type/Layout/Orientation**  
**ADS BioDiffuser Bio 2**

**Number of Rows ->** 9

**# of Units per Row [7'-3" long]->** 6

**Edge to Edge Row Spacing [in]->** 6

**Stone Below Chambers [in]->**

**Stone Beside Chambers [in]->**

**Fill Above System [in]->** 8

**Compass Bearing [see below]->** 0

**Fill Extensions - Grade and Width [inches]**

**Up Slope ->** 4:1 Grade 36

**Left ->** 4:1 Grade 36

**Right ->** 4:1 Grade 36

**Down Slope ->** 4:1 Grade 36

**Final Grade Type**

Auto

3% Crown

Sloping

Sloping 3%

**System Elevation Calculation Methods**

**Data Entry Convention Diagrams**

**Auto-Step**

**Vertical Separation from Limiting Factor (e.g. 12", 18" 24")->**

**Up-Slope Edge - Elevation of Limiting Factor (e.g. -80")->**

**Down-Slope Edge - Elevation of Limiting Factor (e.g. -90")->**

**Force-Step**

**Base of Chamber Row #1 (e.g. -55")->**

**Elevation Drop between Rows (e.g. 2")->**

**Elevation of Limiting Factor**

**Uphill** -65

**Downhill** -75

\* For each row to have the same chamber elevation enter the number of rows here  
 alternative to Force-Step without shelves

## Raw SeptiCAD output

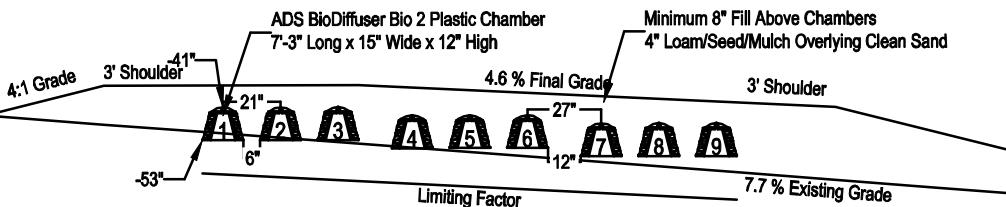
NOT TO SCALE

NOTE: SCARIFY ALL GROUND SURFACE TO BE FILLED. USE GRAVELY COARSE SAND WITHIN 3' OF CHAMBERS. REMAINING FILL: LOAMY SAND (no clay)

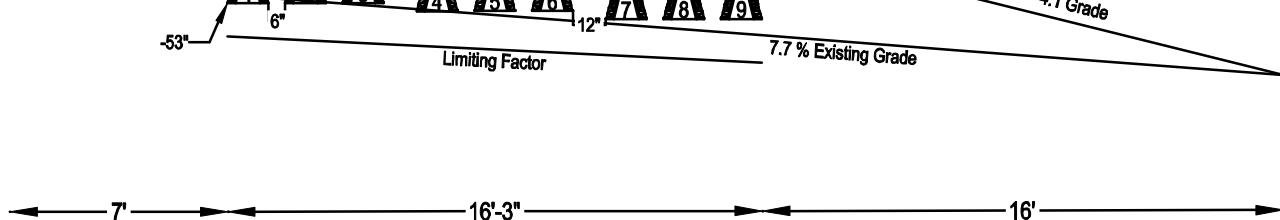
ROW #'s	1 - 3	4 - 6	7 - 9
TOP	-41"	-44"	-47"
BOTTOM	-53"	-56"	-59"

APPROXIMATE ABOVE GRADE FILL REQUIRED  
 42.4 cubic yards of LOAM  
 124.4 cubic yards of SAND  
 Volume of chambers not considered

A



B



## SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services  
Division of Health Engineering, Station 10  
(207) 287-5672 Fax: (207) 287-3165

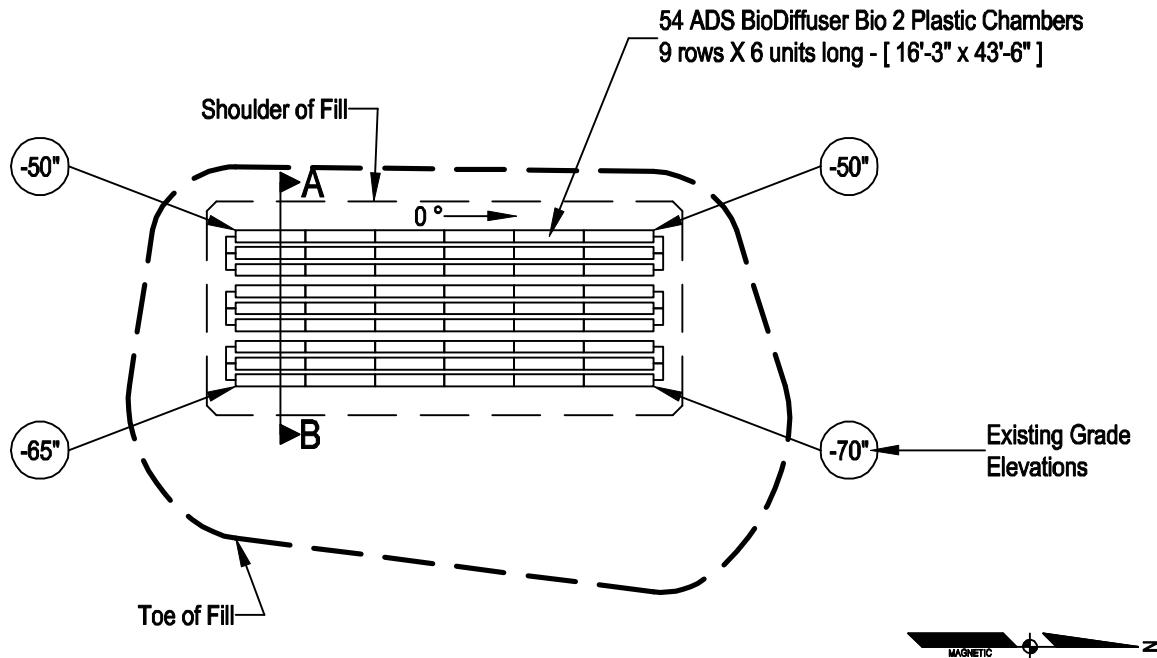
Town, City, Plantation

Street, Road, Subdivision

Owner or Applicant Name

## SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale: 1" = \_\_\_\_ ft



## BACKFILL REQUIREMENTS

Depth of Backfill (upslope) \_\_\_\_\_  
Depth of Backfill (downslope) \_\_\_\_\_

NOTE: SCARIFY ALL GROUND SURFACE TO BE FILLED. USE GRAVELLY COARSE SAND WITHIN 3' OF CHAMBERS. REMAINING FILL:  
LOAMY SAND (no clay)

## CONSTRUCTION ELEVATIONS

Finished Grade Elevation (at Row 1) \_\_\_\_\_  
Top of Proprietary Device (at Row 1) \_\_\_\_\_  
Bottom of Disposal Field (at Row 1) \_\_\_\_\_

## DISPOSAL FIELD CROSS SECTION

ROW #s	1 - 3	4 - 6	7 - 9
TOP	-41"	-44"	-47"
BOTTOM	-53"	-56"	-59"

ELEVATION REFERENCE POINT  
Location & Description: \_\_\_\_\_

Reference Elevation is 0.0" or: \_\_\_\_\_

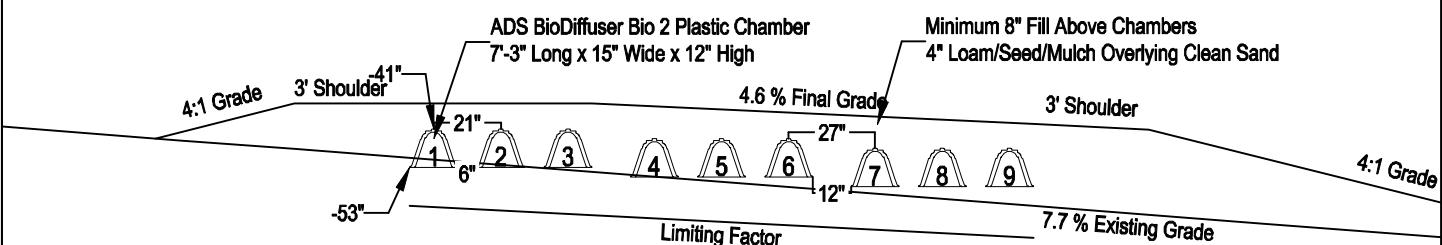
APPROXIMATE ABOVE GRADE FILL REQUIRED  
42.4 cubic yards of LOAM  
124.4 cubic yards of SAND  
Volume of chambers not considered

Scales:

Vertical: 1" = \_\_\_\_\_

Horizontal: 1" = \_\_\_\_\_

A



B

7' 16'-3" 16'

Site Evaluator Signature

SE #

Date

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