

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

Distance btw Shelves [in]->

Shelf Sequence ->

* 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 ->
 # of Units per Row [7'-3" long]->
 Edge to Edge Row Spacing [in]->
 Stone Below Chambers [in]->
 Stone Beside Chambers [in]->
 Fill Above System [in]->
 Compass Bearing [see below]->

Chambers on Shelves
 Create Shelves
 Distance btw Shelves [in]->
 Shelf Sequence ->

Corner Elevations
 -50 -50
 -70 -70
☐ Input Compound Grades

Cross Section Side
☒ Auto ☐ Left ☐ Right

Generate Design

Fill Extensions - Grade and Width [inches]
 Up Slope ->
 Left ->
 Right ->
 Down Slope ->

Final Grade Type
☒ Auto
☐ 3% Crown
☐ Sloping
☐ Sloping 3%

System Elevation Calculation Methods
 Auto-Step

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")->

Reset Form Cancel HELP

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

Elevation of Limiting Factor
 Uphill -65
 Downhill -75

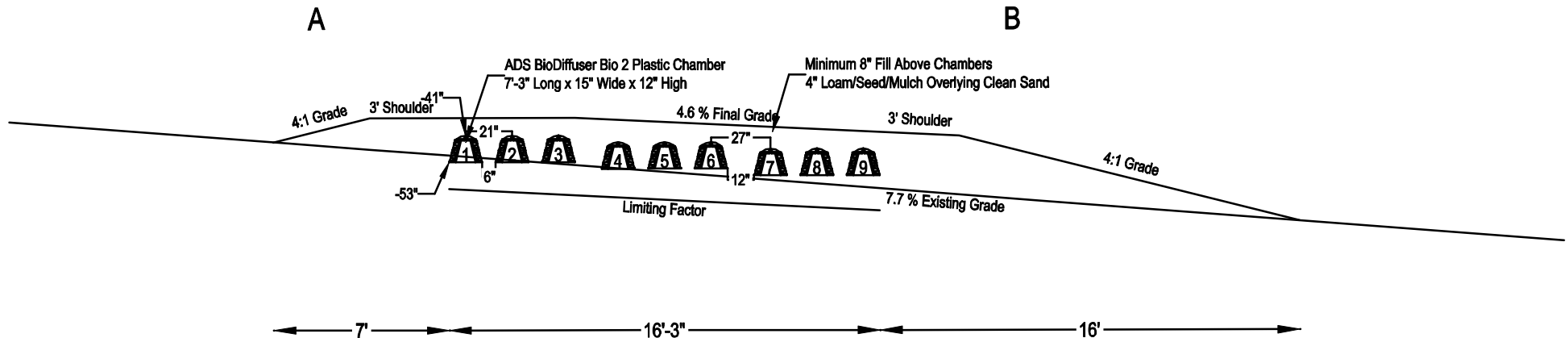
Raw SeptiCAD output

NOT TO SCALE

NOTE: SCARIFY ALL GROUND SURFACE TO
 BE FILLED. USE GRAVELLY 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



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																								
<div><div><p>54 ADS BioDiffuser Bio 2 Plastic Chambers 9 rows X 6 units long - [16'-3" x 43'-6"]</p><p>Shoulder of Fill</p><p>0°</p><p>Existing Grade Elevations</p><p>Toe of Fill</p></div></div>																										
<table border="1"><thead><tr><th>BACKFILL REQUIREMENTS</th><th>CONSTRUCTION ELEVATIONS</th><th>ELEVATION REFERENCE POINT</th></tr></thead><tbody><tr><td>Depth of Backfill (upslope) _____</td><td>Finished Grade Elevation (at Row 1) _____</td><td>Location & Description: _____</td></tr><tr><td>Depth of Backfill (downslope) _____</td><td>Top of Proprietary Device (at Row 1) _____</td><td></td></tr><tr><td></td><td>Bottom of Disposal Field (at Row 1) _____</td><td>Reference Elevation is 0.0" or: _____</td></tr></tbody></table> <div><p>NOTE: SCARIFY ALL GROUND SURFACE TO BE FILLED. USE GRAVELLY COARSE SAND WITHIN 3' OF CHAMBERS. REMAINING FILL: LOAMY SAND (no clay)</p><table border="1"><caption>DISPOSAL FIELD CROSS SECTION</caption><thead><tr><th>ROW #'s</th><th>1 - 3</th><th>4 - 6</th><th>7 - 9</th></tr></thead><tbody><tr><td>TOP</td><td>-41"</td><td>-44"</td><td>-47"</td></tr><tr><td>BOTTOM</td><td>-53"</td><td>-56"</td><td>-59"</td></tr></tbody></table><div><p>APPROXIMATE ABOVE GRADE FILL REQUIRED 42.4 cubic yards of LOAM 124.4 cubic yards of SAND Volume of chambers not considered</p><p>Scales: Verticle: 1" = ____ Horizontal: 1" = ____</p></div></div>			BACKFILL REQUIREMENTS	CONSTRUCTION ELEVATIONS	ELEVATION REFERENCE POINT	Depth of Backfill (upslope) _____	Finished Grade Elevation (at Row 1) _____	Location & Description: _____	Depth of Backfill (downslope) _____	Top of Proprietary Device (at Row 1) _____			Bottom of Disposal Field (at Row 1) _____	Reference Elevation is 0.0" or: _____	ROW #'s	1 - 3	4 - 6	7 - 9	TOP	-41"	-44"	-47"	BOTTOM	-53"	-56"	-59"
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