23)	0.60 gpd/ft ² Absorption area Soil Loading Rate, which gives a mound ratio of 2 (minimum)
	(this must match the soil boring log) desired mound ratio 2.0
24)	4 percent site slope (0-20% range) 4 (% downslope site slope, if different than upslope)
25)	12 inches, or 1.0 ft. to Redox or other limiting condition (need at least 12" to be a Type I)
	Treatment zone contains 0 inches of 0% soil credit, and 0 inches of 50% soil credit. Giving a:
26)	24 inch, or 2.0 ft. Sand Lift Mound CRITICAL FOR FUTURE CERTIFICATIONS!!!
27)	20.0 ft. base absorption width (with sand beyond rockbed as follows:)
	36.5 greater of: absorption width OR sand slope
28)	0.0 ft. upslope and sideslope sand upslope 10.4
	10.0 ft. Downslope sand down slope 16.2
	Individual slope ratios give BERM widths (topsoil beyond rockbed) of:
29)	4:1 upslope ratio 14 ft. upslope berm
30)	4:1 sideslope 18 ft. sideslope berms
31)	4:1 downslope 21 ft. downslope berm
22)	Overall Dimensions: 10.0 ft. wide by 37.5 ft. long Rock bed
32)	Tel mac by 57.5 Tel tong nock bed
	ft. wide by 74 ft. long Mound footprint
	4" inspection pipe
	18" cover on top
ı.	Upslope berm 14 Downslope berm 21
ľ	Domistope Seriii
	12" cover on sides
	(6" loamy cap & 6" topsoil)
1	2.0 Clean sand lift
	1.0 Depth to Limiting
-	Limiting Condition
	Absorption Width 36.5
	Note:
	For 0 to 1% slopes, <i>Absorption Width</i> is measured from the <i>Bed</i> equally in both directions.
	For slopes >1%, Absorption Width is measured downhill from the upslope edge of the Bed.
22)	Rock Bed:
33)	10.0 ft. by 37.5 ft. by 9 inches under pipe, plus 20% gives 17 yd ³ or *1.4= 24 ton
	inches under pipe, plus 20% gives 17 yo or 1.4- 24 toll
34)	Mound Sand: (note: volume is based on 3:1/4:1 slope from top of rockbed, Exchange sand for loamy cap if desired)
	37.7 up + 66.7 downslope + 17.1 ends + 30.6 under rock = 183 yd ³ or *1.4= 256 ton
20	plus 20%
35)	41 ft. by 70 ft. 6" deep, plus 20% gives 64 yd or *1.4= 90 ton
36)	Topsoil:
	45 ft. by 74 ft. 6" deep, plus 20% gives 74 yd or *1.4= 104 ton
_	I hereby certify that I have completed this work in accordance with all applicable ordinances, rules and laws.
	Brummer Septic LLC. L-1347 5/20/2019
	Designer Signature Company License# Date