

DRAIN FIELD SPECIFICATIONS

NEW MOBILE HOME SITE

AARON GONZALES LOT

Dwelling - Three bedroom mobile home 14" X 75"

Initial System - 240 linear ft. of conventional drain field trenches. Use trenches 1, 2, 3 & 4 with a standard distribution box for effluent distribution. Connect trenches 1 & 2 via a step-down. Site LTAR = 0.40 to 0.50 gal./sq. ft. of trench bottom. Use proprietary measures (easy flow) for a 25 percent reduction

in drain field trench requirements.

Repair System - 300 linear ft. of conventional drain field trenches. Use

trenches 5, 6, 7, 8, 9 & 10 with a pump system and pressure manifold for effluent distribution. Site LTAR + 0.35 gal./sq. ft. of trench bottom. Use proprietary measures for a 25 percent

reduction in drain field trench requirements.

Comments: Initial drain field is to be installed in relatively sandy soil

material, which has a higher LTAR than the repair area. See

attached descriptions

TAP CHART - REPAIR SYSTEM - AARON GONZALES LOT

Bench Mar	rk	is = 100.00	Location of	f BM				Elevation Head	6.00	
Pump tank	elev.		100.00	Pump elev.	95.00	1	Manifold e	lev.	101.00	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	
5	0		100.00	75	SCH80 3/4	10.1	83.11	225	0.3694	
6	Y		100.00	55	SCH40 1/2	7.11	58.51	165	0.3546	
6 7	0		100.00	65	SCH80 3/4	10.1	83.11	195	0.4262	
8	Р		100.00	40	SCH80 1/2	5.48	45.09	120	0.3758	
9	Y		100.00	33	SCH80 1/2	5.48	45.09	99	0.4555	
10	P		100.00	33	SCH80 1/2	5.48	45.09	99	0.4555	
			100.00		NA		0.00	0	#DIV/0!	
			100.00		NA.		0.00	0	#DIV/01	
		total	feet =	301	gal/min =	43.75		LTAR =	0.3500	
								LTAR + %5	0.3675	
% of Dose Vol.		75		Des. Flow	360			(Itar W/ INOV)	0.4667	
Dose Volume		146.74		Pump Run-	8.23			(Itar W/ INOV + 5%	0.4900	
Dose Pump Time		3.35		Tank Gal/IN						
Drawdown in Inches		#DIV/0!								

REPRESENTATIVE SOIL PROFILE DESCRIPTION

Repair Area

Arron Gonzales Lot

Horizon	Depth(in)	Characteristics				
Ap 0 - 8		dark brown (7.5YR 4/2) gravelly sandy loam; weak granular type structure; very friable; non-sticky, non-plastic; many fine roots; clear boundary.				
E	8 - 14	Light brown 7.5YR 6/4 gravelly sandy loam; weak granulkar type structure; very friable; clear boundary.				
Bt	14 - 32 red (2.5YR 4/6) clay loam; few medium yellowish brow (10YR 5/6) mottles in the lower part, moderate blocky structure; friable; sticky, slightly plastic; few fine roots; gradual boundary.					
Bt	32 - 40	red (2.5YR 4/8) and yellowish red (5YR 5/6) clay loam; few to common reddish yellow (5YR 6/6) mottles; weak blocky type structure; friable; slightly sticky, slightly plastic; common quartz gravels; few fine roots; diffuse boundary.				
BC	40 - 48)	mottled yellowish red (5YR 5/6), reddish brown (5YR 4/4) and light brown (7.5YR 6/4) and very dark brown loam to fine sandy loam; weak coarse blocky structure to massive or rock controlled structure; friable; non-sticky to slightly sticky, non-plastic.				

REPRESENTATIVE SOIL PROFILE DESCRIPTION

Initial Drain Field Area

Arron Gonzales Lot

Horizon	Depth(in)	Characteristics
Ap	0 - 8	dark brown (7.5YR 4/2) gravelly sandy loam; weak granular type structure; very friable; non-sticky, non-plastic; many fine roots; clear boundary.
E	8 - 18	Light brown 7.5YR 6/4 gravelly sandy loam; weak granulkar type structure; very friable; clear boundary.
Bt	18 - 30	strong brown (7.5YR 5/6) sandy loam to clay loam; . Weak blocky type structure to granular structure; very friable; slightly sticky, slightly plastic; few fine roots; gradual boundary.
Bt	32 - 40	brown (7.5YR 6/4) to dark brown (7.5YR 4/4) (2.5YR 4/8) sandy loam; weak granular to blocky type structure; very friable; slightly sticky, slightly plastic; few quartz gravels; few fine roots; diffuse boundary.
BC	40 - 48+	mottled yellowish red (5YR 5/6), reddish brown (5YR 4/4) and light brown (7.5YR 6/4) and very dark brown loam to fine sandy loam weak coarse blocky structure to massive or rock controlled structure; friable; non-sticky to slightly sticky, non-plastic.