

BASTROP COUNTY SANITATION SERVICES

211 Jackson Street
BASTROP, TX 78602



LICENSE TO OPERATE AN ON-SITE SEWAGE FACILITY

Permit #: 19-389

Location: 171 ANN POWELL RD, SMITHVILLE TX 78957

PARK RIDGE ESTATES Block: 1 Lot: 6

Owner: WALLING, RANDY KERR

Mailing address: 169 ANN POWELL RD SMITHVILLE TX 78957

Permit Date: 5/7/2019

Phone: (512) 988-2055

A final inspection for the on-site sewage facility installed at the above-described location in Bastrop County has been completed. It is our determination that the system has been installed in basic compliance with the rules set forth under Title 30 TAC, TCEQ Chapter 285, On-Site Sewage Facilities and the Bastrop County Order for On-Site Sewage Facilities.

System Type: Aerobic Spray Installer: Paul Wilhelm, OS6324

Maximum Water Usage 180 Gallons Per Day

Aerobic Treatment/Unit Requiring A 2yr Maintenance Contract?

YES ☒ NO ☐ (following to be completed if yes)

Brand Name: AquaFire Maintenance Provider: Paul Wilhelm, MP346

Maintenance Contract Beginning Date: 6/30/19 Expiration Date 6/30/21

If you or your Maintenance provider should disagree with these dates, please contact our office. Also, please be reminded that thirty (30) days prior to the contract expiration, you must submit another contract with a Licensed Maintenance Provider that must be effective for at least one (1) year <or> show proof that you have completed and passed an approved maintenance class and maintain the system yourself.

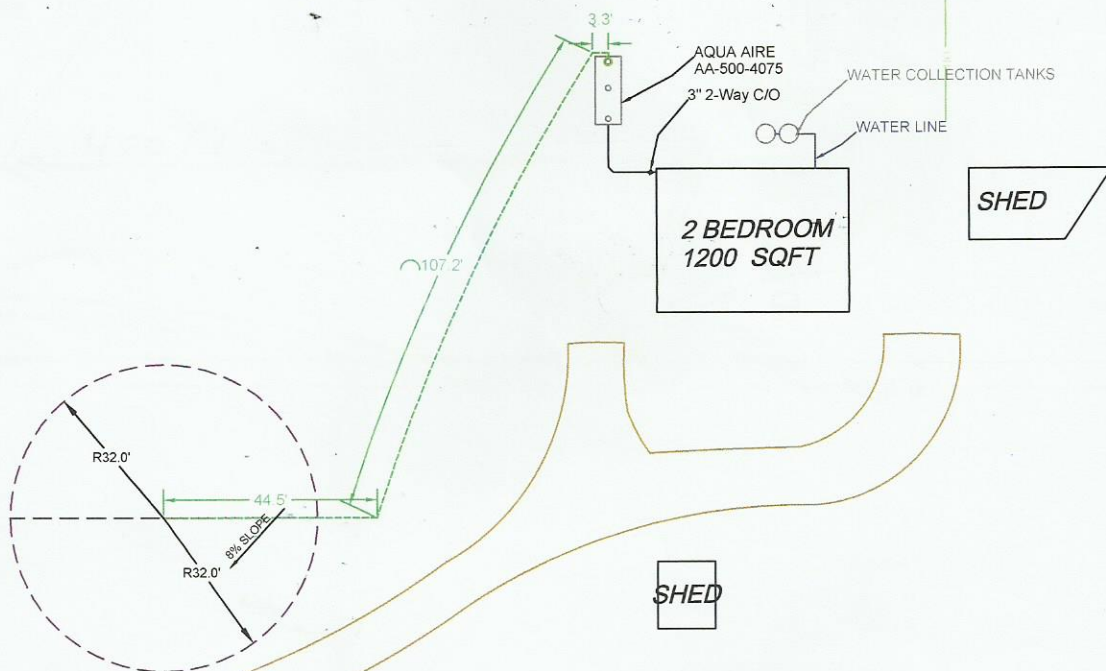
Leslie Crosley OS8697
Agency Official

6/17/19
Date

171

OSSF FOR RESIDENCE AT: ~~169~~ ANN POWELL RD SM

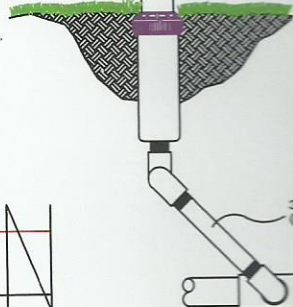
Tract Size: 5.040 Acres Park Ridge Estates Sec 1 Bastrop County, Tx
PropID:77107 Deed: 201801082



THVILLE, TX

K
RAIN

Model# 11003 Model has a purple top to indicate wastewater use only. Low Angle 12 degree nozzles to be used at all times



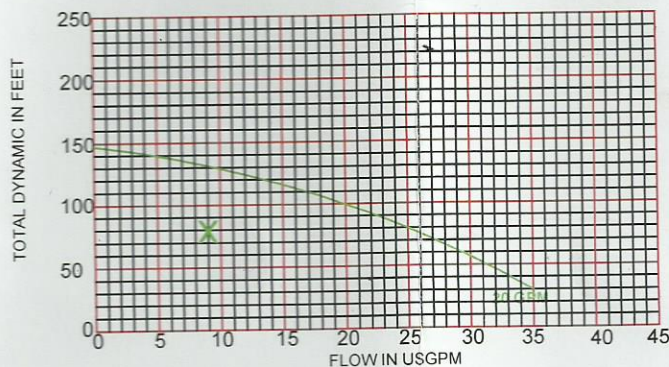
RESIDENTIAL/COMMERCIAL
3 ELBOW SWING JOINT
PRO PLUS GEAR DRIVEN SPRINKLERS

K2+ & PRO PLUS PERFORMANCE
LOW ANGLE NOZZLES 12° TRAJECTORY

NOZZLE	Pressure PSI	Radius Ft	Flow GPM
#1	30	22'	1.5
	40	24'	1.7
	50	26'	1.8
	60	28'	2.0
#3	30	29'	3.0
	40	32'	3.1
	50	35'	3.5
	60	37'	3.8
#4	30	31'	3.4
	40	34'	3.9
	50	37'	4.4
	60	38'	4.7
#6	30	38'	6.5
	40	40'	7.3
	50	42'	8.0
	60	44'	8.6

3 DISCHARGE NOZZLES

STA-RITE DOMINATOR MODEL 20D0M05121 4" SUBMERSIBLE PUMP



4 PUMP PERFORMANCE CURVE

Surface Irrigation System Sizing										Pump Selection				
Disposal Area Sizing:										#Nozzles	2			
#Bedrooms	3 BEDROOM WSD used									Antisiphon hole	0.00 GPM(not used)			
Living Space	1200 SQFT LIVING AREA Each									System Flow overall	6.2 GPM			
Flow Rate	190 Gal/Day									Total discharge time	30.6 minutes			
R _s	0.064 gal/s qft/day									Effective R _a	Nozzle #	Flow (gpm)	System Pressure	40 psi
Area Req'd	2968.75 SQFT									R _a	#	(gpm)	Elevation Head	5.5'
	ft ²	feet	"	r										
Nozzle 1	1607.68	32	180	0.5	0.059	3	3.10	Pressure Head	32.44' head (psix 2.311)					
Nozzle 2	1607.68	32	180	0.5	0.059	3	3.10	Header Length	155' 1" SCH40 (overall)					
Nozzle 3	0	0	180	0.5	#OM/0!	3	0.00	Friction Loss 1" supply	3.8' 155' @ 6.2 gpm					
Nozzle 4	0	0	180	0.5	#OM/0!	0	0.00							
Nozzle 5	0	0	180	0.5	#OM/0!	0	0.00							
Nozzle 6	0	0	180	0.5	#OM/0!	0	0.00							
Nozzle 7	0	0	180	0.5	#OM/0!	0	0.00							
OVERLAP	0.00	Sqft taken away								0.059	Ave R _a			
Proposed Area	3215.36 SQFT													
Effective R _s	0.059 gal/s qft/day													
												Friction Loss Fittings & check valve	0.76'	
												No		
												Total Head	102.5 FT	
NinhT Spray Only, System Regulated to 40PSI via regulator fixed or variable														

5 SYSTEM SIZING CHART

SCALE: 1"=40'

Date: 4-13-2019
File: 169ANNPOWELLRD
drawn by: DR



PREMIER ONSITE DESIGN SERVICE

4045 TRIBUTE LN. BELTON, TEXAS 76513
(254) 394-2039 E-MAIL premieronsite@embarqmail.com