

Mod
7/05

TARRANT REGIONAL WATER DISTRICT
140 FM 416, Streetman, Texas 75859
903-389-3928

**AUTHORIZATION TO CONSTRUCT
AN
ON-SITE SEWAGE FACILITY**


Application Number RC 0705065
Property Owner John C. Dalton
Mailing Address 269 Jackson
 Kerens, Texas 77144
Property Location Lot 41 Sweetwater Ranch II
 Navarro County, Texas

This serves to notify all persons that an on-site sewerage facility application, related technical data, and the appropriate fee have been received by the Tarrant Regional Water District (District) from the property owner. The application has been reviewed for technical and administrative consideration against the standards set forth by the District. Approval is hereby granted for the construction as shown on the submitted plans.

Any modifications to submitted plans require approval by the Tarrant Regional Water District prior to installation.

You or your installer must contact the District office at 903-389-3928 between 7:30 A.M. to 8:30 A.M. to arrange for the required facility inspection. Calls after 8:30 A.M. may result in inspection being delayed until the next working day. **The authorization to construct is valid for one year from the date of issue of an application.** If a final inspection has not been performed within one year of issue, a new application and fee will be required.

Comments: The following design is based upon the minimum standards set forth by the Texas Commission on Environmental Quality and is based on a maximum daily flow of 360 gallons, the use of water saving devices is required.


OS-8058
Authorized District Representative

7-18-05
Date

TARRANT REGIONAL WATER DISTRICT
140 FM 416, Streetman, Texas 75859
903-389-3928
Fax # 903-389-7587

TRWD USE ONLY

190705065
APPLICATION NO.

APPLICATION FOR ON-SITE
SEWAGE FACILITY

6218

RECEIPT NO.

7-6-05

DATE

200

AMOUNT

Redland Chamber
TRWD RESERVOIR
Navarro
COUNTY OF INSTALLATION

- PROPERTY OWNER'S NAME: DALTON John C.
(LAST) (FIRST) (MIDDLE)
- PERMANENT MAILING ADDRESS: 269 JACKSON KEENE, TX 77144
(STREET/PO BOX) (CITY/STATE) (ZIP)
- TELEPHONE NO. DURING DAY: (903) 396-2885
- SITE ADDRESS: SAME
(STREET) (CITY/STATE) (ZIP)
- PROPERTY DESCRIPTION: LOT NO. 41 BLOCK - SEC II SIZE - SQ.FT.
SUBDIVISION: SWEETWATER RANCH II Acreage 1.4 Survey E. Powers A-633
- SOURCE OF WATER: Private Well Public Water Supply Chatfield
(NAME OF SUPPLIER)
- SINGLE FAMILY RESIDENCE: No. of Bedrooms 3 Living Area (sq. ft.) 4000
DESIGNED MAXIMUM DAILY WATER CONSUMPTION (gpd): 360 Gpd.
- COMMERCIAL/INSTITUTIONAL (including multi-family residences) TYPE: N/A
NO. OF EMPLOYEES/OCCUPANTS/UNITS: N/A DAYS OCCUPIED PER WEEK: N/A
DESIGNED MAXIMUM DAILY WATER CONSUMPTION (gpd): N/A
- IS AN ORGANIZED SEWAGE COLLECTION WITHIN 300 FEET? Yes No
- DESIGNER: Will Hill LICENSE NO.: 1361
PHONE NO.: 874 3945
- INSTALLER: Perry Richter REGISTRATION NO.: 053111
PHONE NO.: 874 6006

I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to the Tarrant Regional Water District to enter upon the above described private property for the purpose of lot evaluation and inspection of on-site sewerage facilities. I understand that the approval of this application constitutes authorization for construction of the on-site sewerage facility and that a permit to operate the facility will be granted following successful inspection of the installed system which indicates that the system was installed in compliance with TCEQ'S On-Site Sewage Facility Rules (OSSF) and the District's Waste Control Order.

[Signature]
(SIGNATURE OF OWNER)

7/5/05
(DATE)

[Signature]
(SIGNATURE OF AUTHORIZED DISTRICT REPRESENTATIVE)

7-6-05
(DATE)

**ON-SITE SEWAGE FACILITY
SOIL SURVEY REPORT INFORMATION**

Property Owner's Name Janet Love Dalton
 Mailing Address 269 Jackson Circle
 City, State, Zip Kerens, TX
 Site Location 269 Jackson Circle; Sweetwater Ranch
 County Navarro

(FOR HOLE #1)

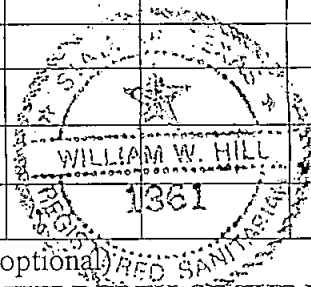
DEPTH	TEXTURE	CLASS	STRUCTURE	WATER TABLE	SLOPE 0-30%	* SOIL SERIES	* SOIL ABSORPTION
in.	i.e. Loamy Sand, Sandy Loam, Loam, Silty Clay Loam, Sandy Clay, or Clay.	per USDA Chart i.e. Ia, Ib, II, III, or IV	Only if soil is a Class III i.e. Blocky, Platy, or Massive	PRESENT Yes / No	Maximum of overall drainfield	per County Soil Survey i.e. "Bowie"	LIMITATION RATING i.e. Fair, Moderate, Severe
00 - 16	Clay	IV		No	3.70%		Severe
16 - 30	Clay Loam	III		No			Moderate
30 - 36	Sandy Loam	II		No			Fair

* This can be found in the County Soil Survey entitled "Sanitary Facilities" (optional)

THE MOST RESTRICTIVE SOIL CLASS FOUND ONE FOOT BELOW THE DEPTH OF THE PROPOSED INSTALLATION IS: CLASS III [Note Class Ia & IV are unsuitable for standard disposal systems]

(FOR HOLE #2)

DEPTH	TEXTURE	CLASS	STRUCTURE	WATER TABLE	SLOPE 0-30%	* SOIL SERIES	* SOIL ABSORPTION
in.	i.e. Loamy Sand, Sandy Loam, Loam, Silty Clay Loam, Sandy Clay, or Clay.	per USDA Chart i.e. Ia, Ib, II, III, or IV	Only if soil is a Class III i.e. Blocky, Platy, or Massive	PRESENT Yes / No	Maximum of overall drainfield	per County Soil Survey i.e. "Bowie"	LIMITATION RATING i.e. Fair, Moderate, Severe
00 - 12	Clay	IV		No	3.70%		Severe
12 - 36	Clay Loam	III		No			Moderate

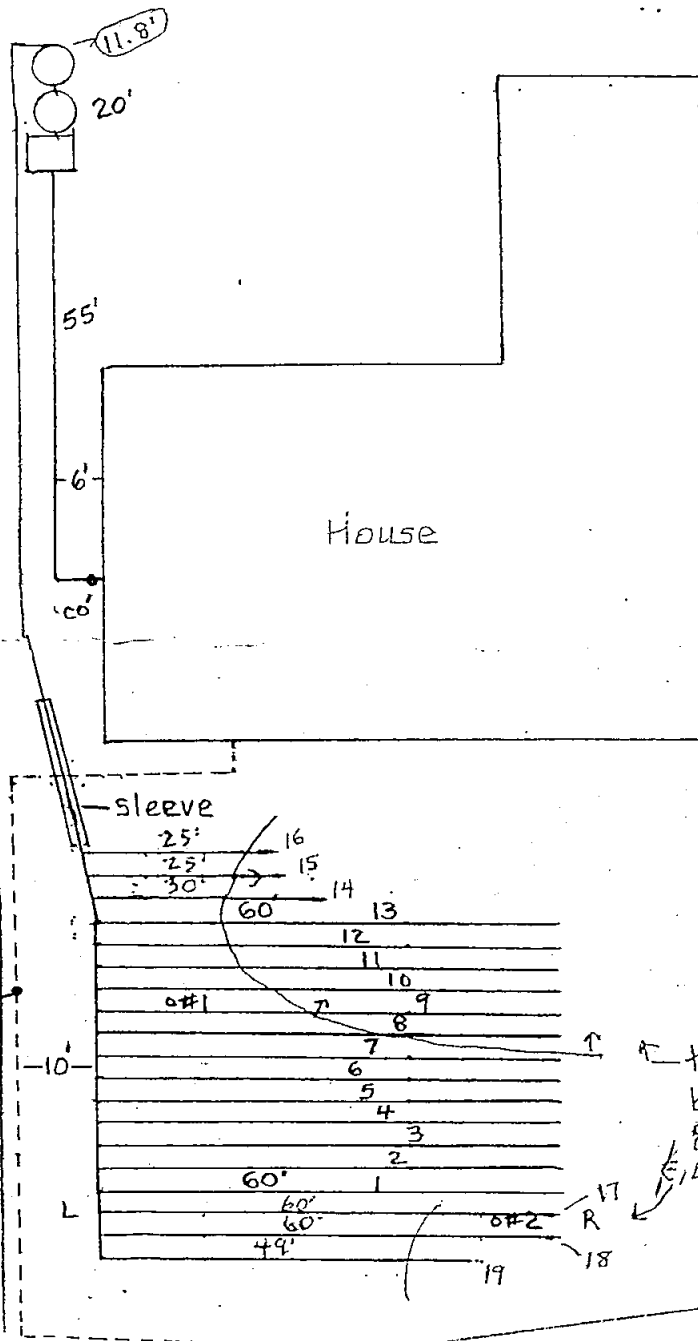


* This can be found in the County Soil Survey entitled "Sanitary Facilities" (optional)

THE MOST RESTRICTIVE SOIL CLASS FOUND ONE FOOT BELOW THE DEPTH OF THE PROPOSED INSTALLATION IS: CLASS III [Note: Class Ia & IV are unsuitable for standard disposal systems]

EVALUATION PERFORMED BY: William Hill Registered Sanitarian.
 DATE OF SOIL SURVEY: 29 December 2003 CERTIFICATION NO: OS7622

John Dalton
(add on)



Lines 14-19 added to existing field.

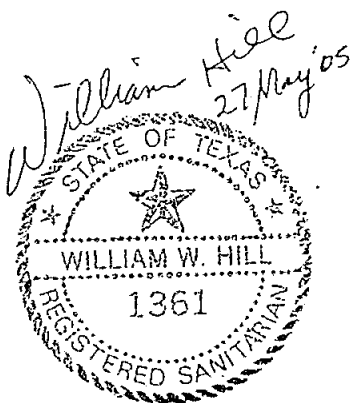
water

All lines 3' apart.

Lines 12-19 will have ball valves to set head pressure.

this area to be built up so lines 8-13 are on grade

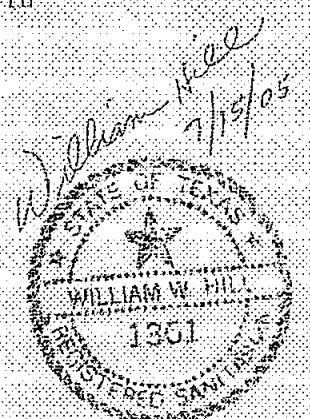
ROAD



	L	R		L	R
1	5.1	5.4		14	6.6 7.3
2	5.1	5.5		15	6.8 7.4
3	5.3	5.5		16	7.1 7.4
4	5.6	5.4		17	4.4 4.7
5	5.8	5.8		18	4.2 4.7
6	5.9	6.2		19	3.9 4.4
7	6.0	6.4			
8	5.9	6.7			
9	6.0	7.0			
10	6.0	7.3			
11	6.1	7.5			
12	6.2	7.8			
13	6.5	7.8			

John Dalton * 269 Jackson Dr.

Daily Waste Flow	360 GPD
Septic Tank Size	1250 Gal.
Pumping Tank Size	500 Gal.
Effluent Loading Rate	0.2 gal./ft. ² /day
Absorption Area	3087 ft. ²
Total Length of Lines	1029 ft.
Lateral Diameter	1 in. Sch. 40 PVC
Lateral Configuration	See attached table
Supply Line Length	163 ft. Sch. 40 PVC
Supply Line Diameter	2.0 in.
Manifold Placement	End
Hole Size and Spacing	See attached table
Number of Holes	154
Flow per Hole	See attached table
Total Flow	39.6 GPM
Elevation Head	12.3 ft.
Friction Head	5.1 ft.
Pressure Head	2.0 ft.
Total Head	19.4 ft.
Pump Requirements	39.6 GPM @ 19.4 ft. head
Suggested Pumps	Grundfos AP12 1/2 HP Barnes BP314 1/3 HP
Storage Volume in Laterals	42.2 gal.
Storage Volume in Supply	26.4 gal.
Total Storage	68.6 gal.
Dosing Volume	237.8 gal.
Dosing Depth	18.8 in.
Check Valve Needed?	YES
Anti-Siphon Hole Needed?	NO
Approximate Quantity of Rock	25.5 yds. (5.5)
Effluent Filter Needed?	Yes

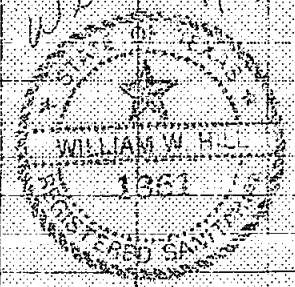


John Dalton * 269 Jackson Dr.

Level or Zone	Line Number	*Depth (In.)	Pressure Head (ft.)	Length (ft.)	Number Holes	Hole Size	FLOW GPM/hole	RATE GPM/line	GPM/ft.-line	Hole Spacing (ft.)
A	1	18	1.5	60	11	0 1/8	0.22	2.42	0.04	5.45
A	2	18	1.5	60	11	0 1/8	0.22	2.42	0.04	5.45
A	3	18	1.5	60	11	0 1/8	0.22	2.42	0.04	5.45
A	4	18	1.5	60	11	0 1/8	0.22	2.42	0.04	5.45
B	5	18	2	60	9	0 1/8	0.26	2.34	0.039	6.7
B	6	18	2	60	9	0 1/8	0.26	2.34	0.039	6.7
B	7	18	2	60	9	0 1/8	0.26	2.34	0.039	6.7
C	8	18	2.5	60	8	0 1/8	0.29	2.32	0.039	7.5
C	9	18	2.5	60	8	0 1/8	0.29	2.32	0.039	7.5
D	10	18	3	60	7	0 1/8	0.32	2.24	0.037	8.6
D	11	18	3	60	7	0 1/8	0.32	2.24	0.037	8.6
E	12	18	2	60	9	0 1/8	0.26	2.34	0.039	6.7
E	13	18	2	60	9	0 1/8	0.26	2.34	0.039	6.7
F	14	18	2	30	4	0 1/8	0.26	1.04	0.035	7.5
F	15	18	2	25	3	0 1/8	0.26	0.78	0.031	8.3
F	16	18	2	25	3	0 1/8	0.26	0.78	0.031	8.3
F	17	18	2	60	9	0 1/8	0.26	2.34	0.039	6.7
F	18	18	2	60	9	0 1/8	0.26	2.34	0.039	6.7
F	19	18	2	49	7	0 1/8	0.26	1.82	0.037	7

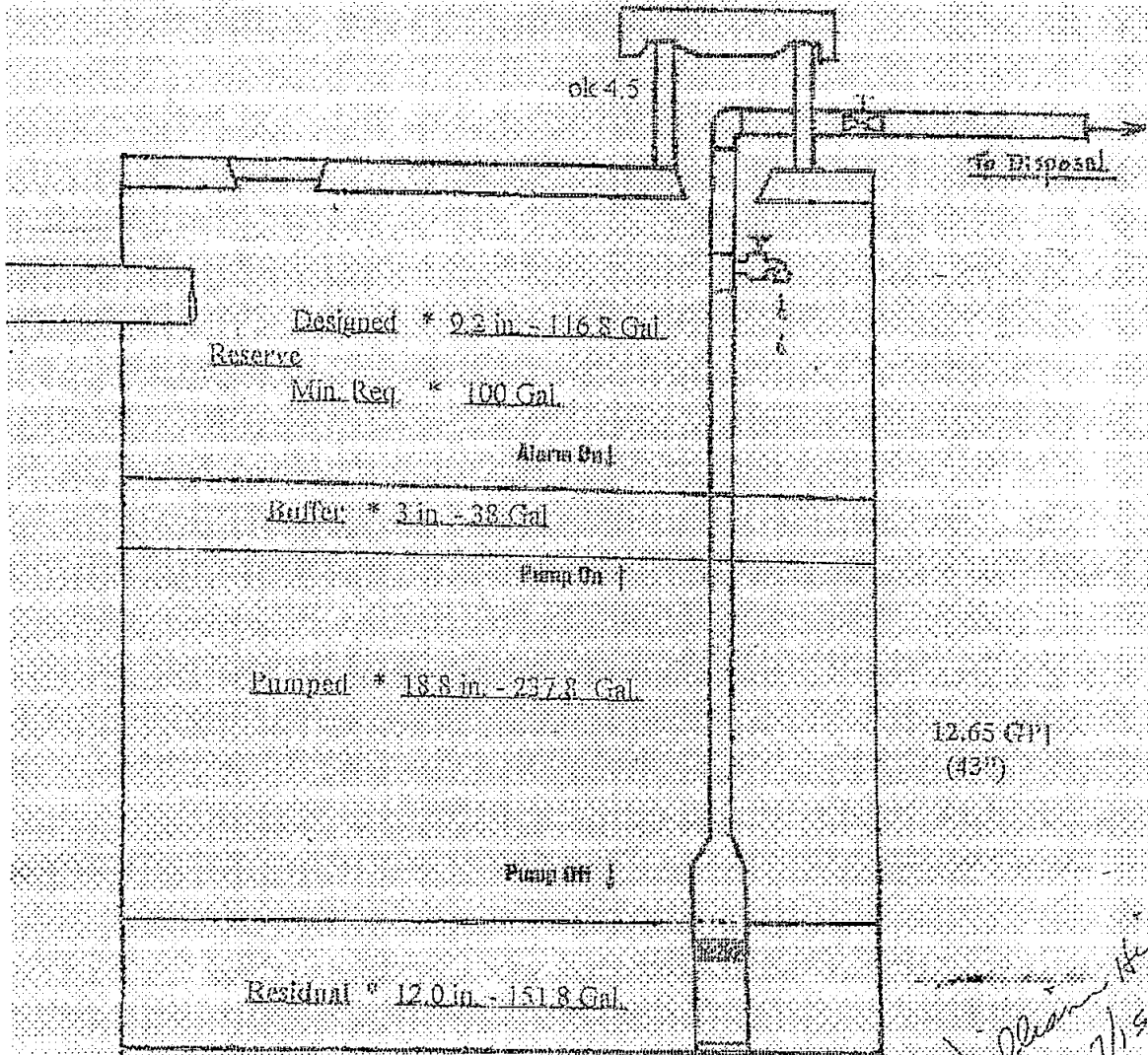
1029 154

W. Hill Head
7/15/25

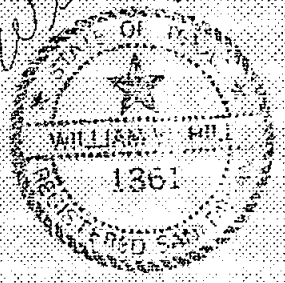


500 Gal. Concrete
Ellison Concrete
310 Gal./Day

John Dalton
269 Jackson Drive



William Hill
7/15/05



Must have visual and audible alarms.

John Dalton * 269 Jackson Dr.

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Hole Size and Spacing	See attached table
Number of Holes	148
Flow per Hole	See attached table
Total Flow	39.1 GPM
Elevation Head	12.3 ft.
Friction Head	5.1 ft.
Pressure Head	2.0 ft.
Total Head	19.4 ft.
Pump Requirements	39.1 GPM @ 19.4 ft. head
Suggested Pumps	Grundfos AP12 1/2 HP Barnes BP314 1/3 HP.
Storage Volume in Laterals	42.2 gal.
Storage Volume in Supply	26.4 gal.
Total Storage	68.6 gal.
Dosing Volume	95.0 gal.
Dosing Depth	7.5 in.
Check Valve Needed?	YES
Anti-Siphon Hole Needed?	NO
Approximate Quantity of Rock	25.5 yds. (5.5)
Effluent Filter Needed?	Yes

