

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

TRWD USE ONLY

RC07-014  
APPLICATION NO

9905

RECEIPT NO  
3-1-07

DATE  
200.00  
AMOUNT

75187  
SCANNED

APR - 4 2007

BY af

APPLICATION FOR ON-SITE  
SEWAGE FACILITY

Richland Chambers  
TRWD RESERVOIR  
Navarro  
COUNTY OF INSTALLATION

1. PROPERTY OWNER'S NAME: Moody John  
(LAST) (FIRST) (MIDDLE)
2. PERMANENT MAILING ADDRESS: 711 Stoney Brook Dr. Wylie, TX 75098-4091  
(STREET/PO BOX) (CITY/STATE) (ZIP)
3. TELEPHONE NO. DURING DAY: (972) 494-3545
4. SITE ADDRESS: 3229 Francisco Bay Dr. Kerens, TX 75098  
(STREET) (CITY/STATE) (ZIP)
5. PROPERTY DESCRIPTION: LOT NO. 10 BLOCK II SEC I SIZE N/A SQ.FT.  
SUBDIVISION: Francisco Bay I Acreage .73 Survey Roll 116-4-136
6. SOURCE OF WATER: Private Well ☒ Public Water Supply Chatfield  
(NAME OF SUPPLIER)
7. SINGLE FAMILY RESIDENCE: No. of Bedrooms 3 Living Area (sq. ft.) 2354  
DESIGNED MAXIMUM DAILY WATER CONSUMPTION (gpd): 240
8. 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
9. IS AN ORGANIZED SEWAGE COLLECTION WITHIN 300 FEET? Yes ☒ No
10. DESIGNER: William Hill LICENSE NO.: 1361  
PHONE NO.: 903-829-5058
11. INSTALLER: Perry Richter REGISTRATION NO.: 050003111  
PHONE NO.: 903-879-2432

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 OF OWNER)

(SIGNATURE OF AUTHORIZED DISTRICT REPRESENTATIVE)

(DATE)

(DATE)

**TARRANT REGIONAL WATER DISTRICT**

140 FM 416, Streetman, Texas 75859  
903-389-3928

**NOTICE OF APPROVAL  
OF  
ON-SITE SEWAGE FACILITY**

**PERMIT # RC07-014**

Property Owner      John Moody

Mailing Address      711 Stoney Brook Dr.  
Wylie, Texas 75098-4091

Property Location    Lot 10 Francisco Bay I  
3229 Francisco Bay Dr.  
Kerens, Texas 75098

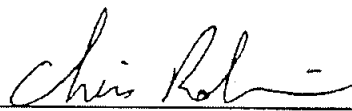
Navarro County, Tx.

This serves to notify all persons that the on-site sewage facility owned by the above has satisfied design, construction, and installation requirements of the Texas Commission on Environmental Quality (TCEQ) and the District Waste Control Order. This Tarrant Regional Water District On-Site Sewage Facility Permit is issued for the operation of the above identified on-site sewage facility.

**ANY MODIFICATIONS TO THE SYSTEM STRUCTURE, OR ITS COMPONENTS, MAY REQUIRE A NEW PERMIT.** The owner must notify this office of the aforementioned changes.

ADDITIONAL INFORMATION:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Authorized District Representative

OS-8058

4-3-07  
\_\_\_\_\_  
Date

**TARRANT REGIONAL WATER DISTRICT**

140 FM 416, Streetman, Texas 75859  
903-389-3928

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

Application Number      RC07-014

Property Owner            John Moody

Mailing Address           711 Stoney Brook Dr.  
                                 Wylie, Texas 75098-4091

Property Location        Lot 10 Francisco Bay I  
                                 3229 Francisco Bay Dr.  
                                 Kerens, Texas 75098

                                 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 240 gallons, the use of water saving devices is required.



Authorized District Representative

OS-8058

03-19-07

Date

# TARRANT REGIONAL WATER DISTRICT

140 FM 416, Streetman, Texas 75859

903-389-3928

## ON-SITE SEWAGE FACILITY PROGRAM LOW PRESSURE PIPE SYSTEM INSPECTION REPORT

PROPERTY OWNER: John Moody

PERMIT NUMBER: RC 07-014

<b>I. SEWER</b>		<b>Y</b>	<b>N</b>
CLEANOUTS PROPERLY INSTALLED:		✓	
PROPER TYPE PIPE FROM STRUCTURE TO DISPOSAL SYSTEM:		✓	
SLOPE OF SEWER 1/8 INCH PER FOOT MINIMUM:		✓	
<b>II. SEPTIC TANK</b>		<b>Y</b>	<b>N</b>
TANK SIZE REQUIRED: 1,000	TANK SIZE INSTALLED: 1,000	**	**
TYPE: Concrete	MANUFACTURER: Jackson	**	**
RISERS PROVIDED ON TANKS BURIED GREATER THAN 12":		✓	
INLET FLOWLINE GREATER THAN 3" ABOVE OUTLET FLOWLINE:		✓	
OUTLET LIQUID PENETRATION 1/4 TO 1/2 TOTAL LIQUID DEPTH:		✓	
"T" PROVIDED ON INLET AND OUTLET:		✓	
IF SINGLE TANK, ARE 2 COMPARTMENTS PROVIDED?		N/A	
<b>III. PUMP TANK</b>		<b>Y</b>	<b>N</b>
TANK SIZE REQUIRED: 500	TANK SIZE INSTALLED: 500	**	**
TYPE: Concrete	MANUFACTURER: Jackson	**	**
TYPE AND SIZE OF PUMP: 1/3 HP Barnes		**	**
<b>IV. DRAINFIELD</b>		<b>Y</b>	<b>N</b>
LATERAL LINE SIZE: <input checked="" type="checkbox"/> 1" PVC <input type="checkbox"/> 1 1/4" PVC <input type="checkbox"/> 1 1/2" PVC <input type="checkbox"/> OTHER SPECIFY _____		**	**
SUPPLY LINE DIAMETER: 2in		**	**
MANIFOLD DIAMETER: 2in		**	**
AREA REQUIRED: 2400 sqft	AREA INSTALLED: 2400 sqft	**	**
EXCAVATION DEPTH: 24in	WIDTH: 8in	**	**
LENGTH: 800		**	**
DISTANCE BETWEEN EXCAVATIONS: 3.5 ft		**	**
PROPER PLACEMENT OF DAMS		✓	
TYPE OF MEDIA: C Rock		**	**
DEPTH OF MEDIA: 12in		**	**
PROPER BARRIER BETWEEN MEDIA AND BACKFILL:		✓	
RISERS INSTALLED FOR HEAD PRESSURE ADJUSTMENT:		✓	
DATE HEAD PRESSURE WAS SET: 4-3-07		**	**
ZONES INSTALLED PROPERLY. yes	HOW MANY? 1	**	**
PROPER CONTROL VALVES INSTALLED. yes	HOW MANY? 1	**	**
MINIMUM REQUIRED SETBACK DISTANCES MET? IF NOT, LIST DEFICIENCIES.		✓	
AUDIO/VISUAL ALARMS INSTALLED:		✓	

COMMENTS:

INSPECTED BY: Chris Rol OS-8058

DATE: 4-3-07

# BUILDING PERMIT

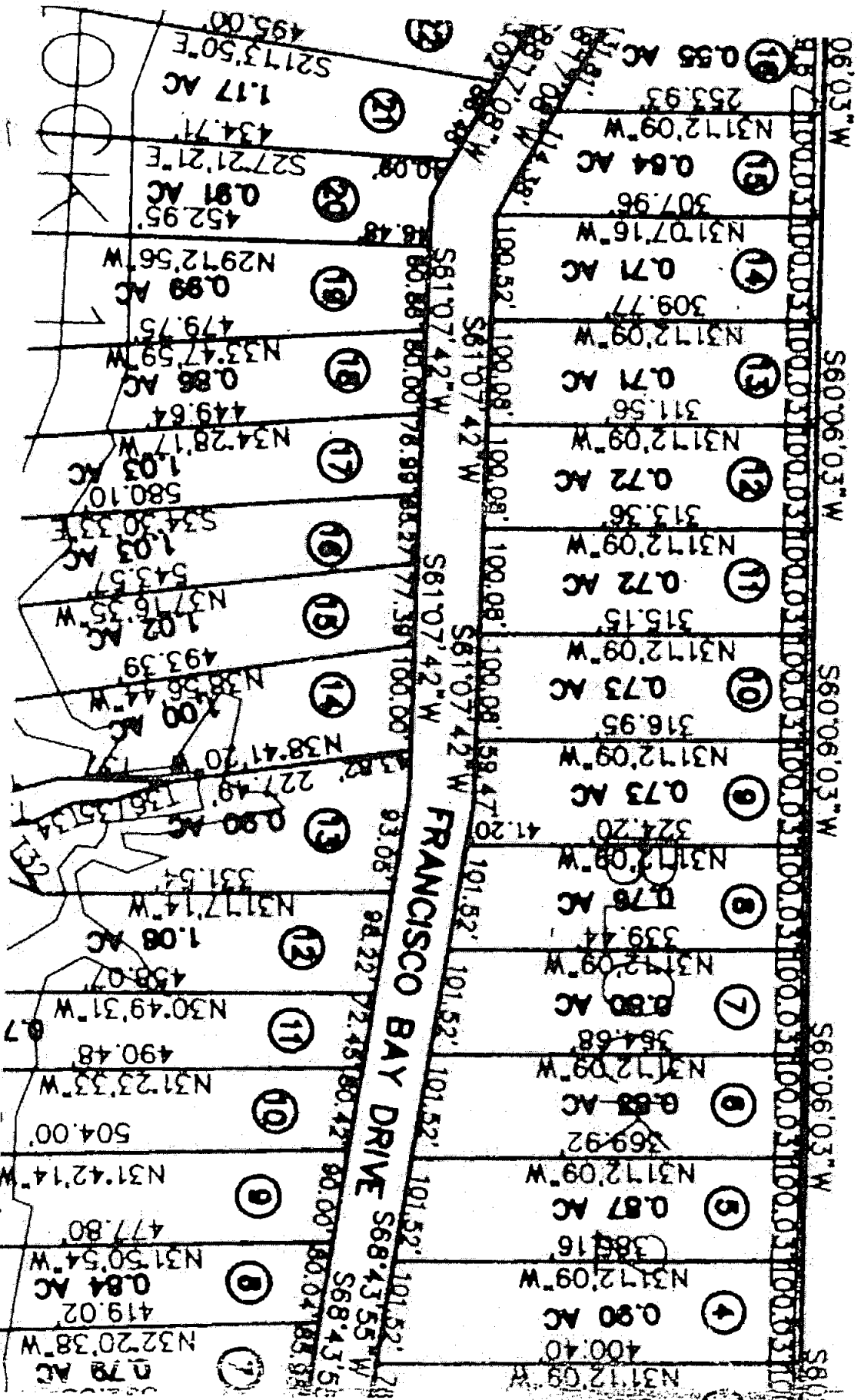
COUNTY OF NAVARRO, TEXAS

9-1 10074

JOB ADDRESS <u>3229 Francisco Blvd Dr. Kerens, 75144</u>			
LOT NO. <u>10+11</u>	BLK.	SUBDIVISION <u>Francisco Blvd Ph I</u>	
OWNER <u>John Moody</u>	ADDRESS <u>711 Stony Brook Dr. Dallas</u>	PHONE <u>75098-4051</u>	
CONTRACTOR <u>Generation II</u>	ADDRESS	PHONE	
ELECTRICAL <u>Suh</u>	ADDRESS	PHONE	
PLUMBING <u>Suh</u>	ADDRESS	PHONE	
MECHANICAL <u>Suh</u>	ADDRESS	PHONE	
USE OF BUILDING <u>residential</u>			
CLASS OF WORK: <input checked="" type="checkbox"/> NEW <input type="checkbox"/> ADDITION <input type="checkbox"/> ALTERATION <input type="checkbox"/> REPAIR <input type="checkbox"/> DEMOLISH			
DESCRIBE WORK: <u>build new home</u>			
TYPE OF CONST. <u>brick/stone</u>		SO. FT. <u>2200'</u>	NO. OF STORIES <u>2</u>
NO. OF BEDROOMS <u>3</u>		NO. OF BATHS <u>2</u>	FOUNDATION <u>concrete</u>
ROOF <u>comp.</u>		SPRINKLERS REQUIRED <u>-</u>	PARKING SPACES
NO. OF DWELLING UNITS <u>1</u>		ZONING <u>SF</u>	OCCUPANCY GROUP <u>SF</u>
<p style="text-align: center;"><b>NOTICE</b></p> <p>THIS PERMIT BECOMES NULL AND VOID IF WORK OR CONSTRUCTION AUTHORIZED IS NOT COMMENCED WITHIN 6 MONTHS, OR IF CONSTRUCTION OR WORK IS SUSPENDED OR ABANDONED FOR A PERIOD OF 1 YEAR AT ANY TIME AFTER WORK IS COMMENCED.</p> <p>THE ISSUANCE OF THIS PERMIT SHOULD NOT BE CONSTRUED BY ANY PERSON AS AN APPROVAL OF BUILDING OR CONSTRUCTION TECHNIQUES, METHODS, OR MATERIALS.</p>		<p>I HEREBY CERTIFY THAT I HAVE READ AND EXAMINED THIS APPLICATION AND KNOW THE SAME TO BE TRUE AND CORRECT. ALL PROVISIONS OF LAW AND ORDINANCES GOVERNING THIS TYPE OF WORK WILL BE COMPLIED WITH WHETHER SPECIFIED HEREIN OR NOT. THE GRANTING OF A PERMIT DOES NOT PRESUME TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF ANY OTHER STATE OF LOCAL LAW REGULATING CONSTRUCTION OR THE PERFORMANCE OF CONSTRUCTION.</p>	
SIGNATURE <u>Glenn K. Helt</u>		VALUATION: \$ <u>204,000.00</u> PERMIT FEES \$ <u>294.94</u>	
APPROVED FOR ISSUANCE BY: <u>Mike Stockler</u>		DATE <u>7-12-06</u>	
SPECIAL CONDITIONS:			
THIS BECOMES YOUR PERMIT WHEN APPROVED FOR ISSUANCE			

# FRANCISCO PROCELLO SUR. A-636

0.10 A



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

Property Owner's Name John Moody

Mailing Address 711 Stoney Brook Dr.

City, State, Zip Wylie, Tx

Site Location 3229 Francisco Bay Dr.

County Navarro

(FOR HOLE #1)

DEPTH	TEXTURE	CLASS	STRUCTURE	WATER TABLE	SLOPE 0-30%	% Gravel	* 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	by volume & Size (mm)	LIMITATION RATING i.e. Fair, Moderate, Severe
00 - 36	Sandy Clay	III		No	3.50%	None	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]

(FOR HOLE #2)

DEPTH	TEXTURE	CLASS	STRUCTURE	WATER TABLE	SLOPE 0-30%	% Gravel	* 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	by volume & Size (mm)	LIMITATION RATING i.e. Fair, Moderate, Severe
00 - 36	Sandy Clay	III		No	3.50%	None	Moderate

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

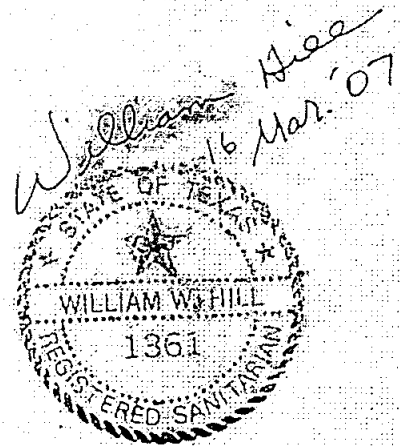
THE MOST RESTRICTIVE SOIL CLASS FOUND ONE FOOT BELOW THE DEPTH OF THE PROPOSED INSTALLATION IS: CLASS III [Note Class Ia & IV are unsuitable for standard disposal systems]

EVALUATION PERFORMED BY: William Hill Site Evaluator.

DATE OF SOIL SURVEY: 22 February 2007 CERTIFICATION NO: OS7622

John Moody  
Oversized System

This system was oversized to provide additional disposal area in the event of  
prolonged stay by guests.

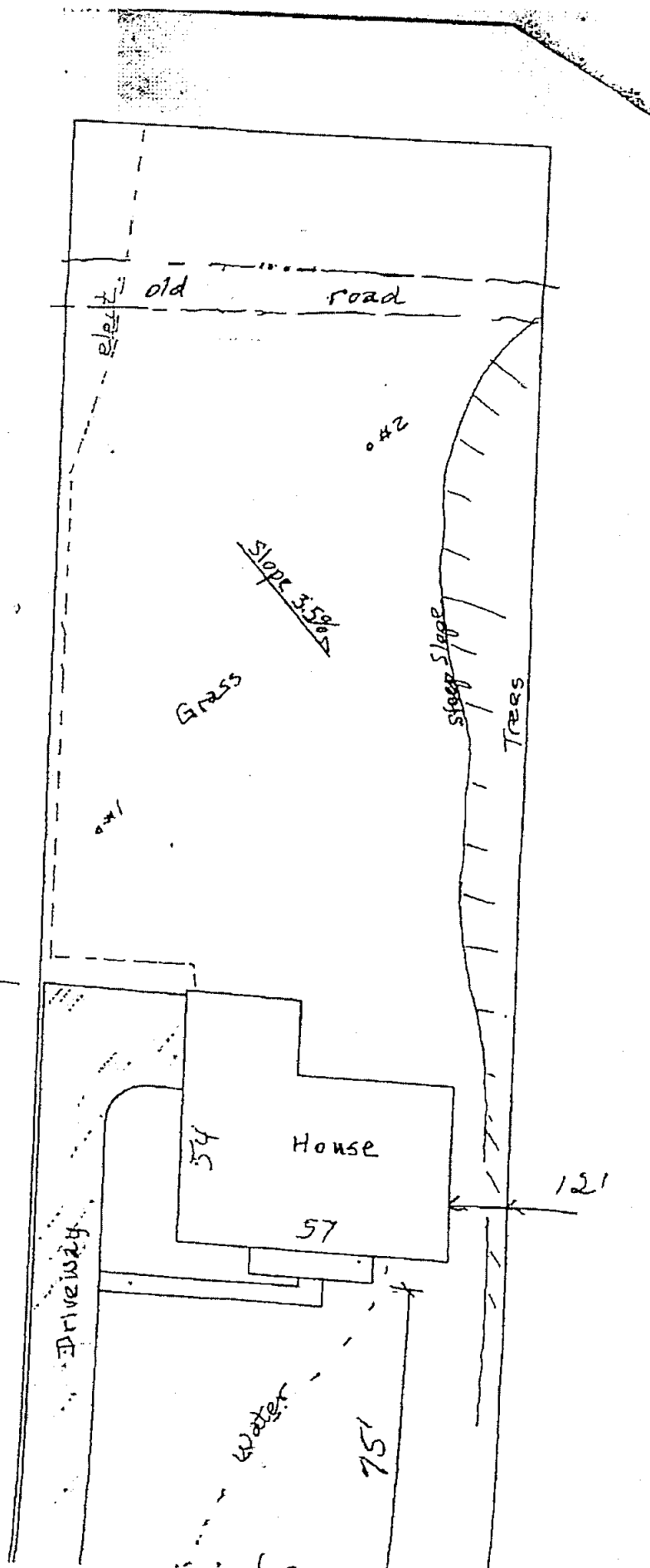
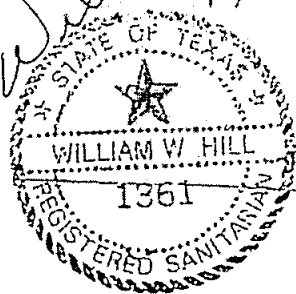




John Moody  
2

1 mm = 1 ft.

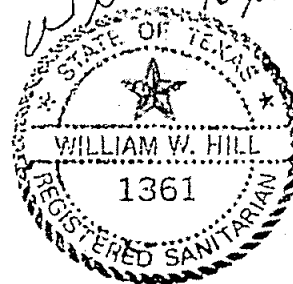
William Hill  
16 Mar. '07

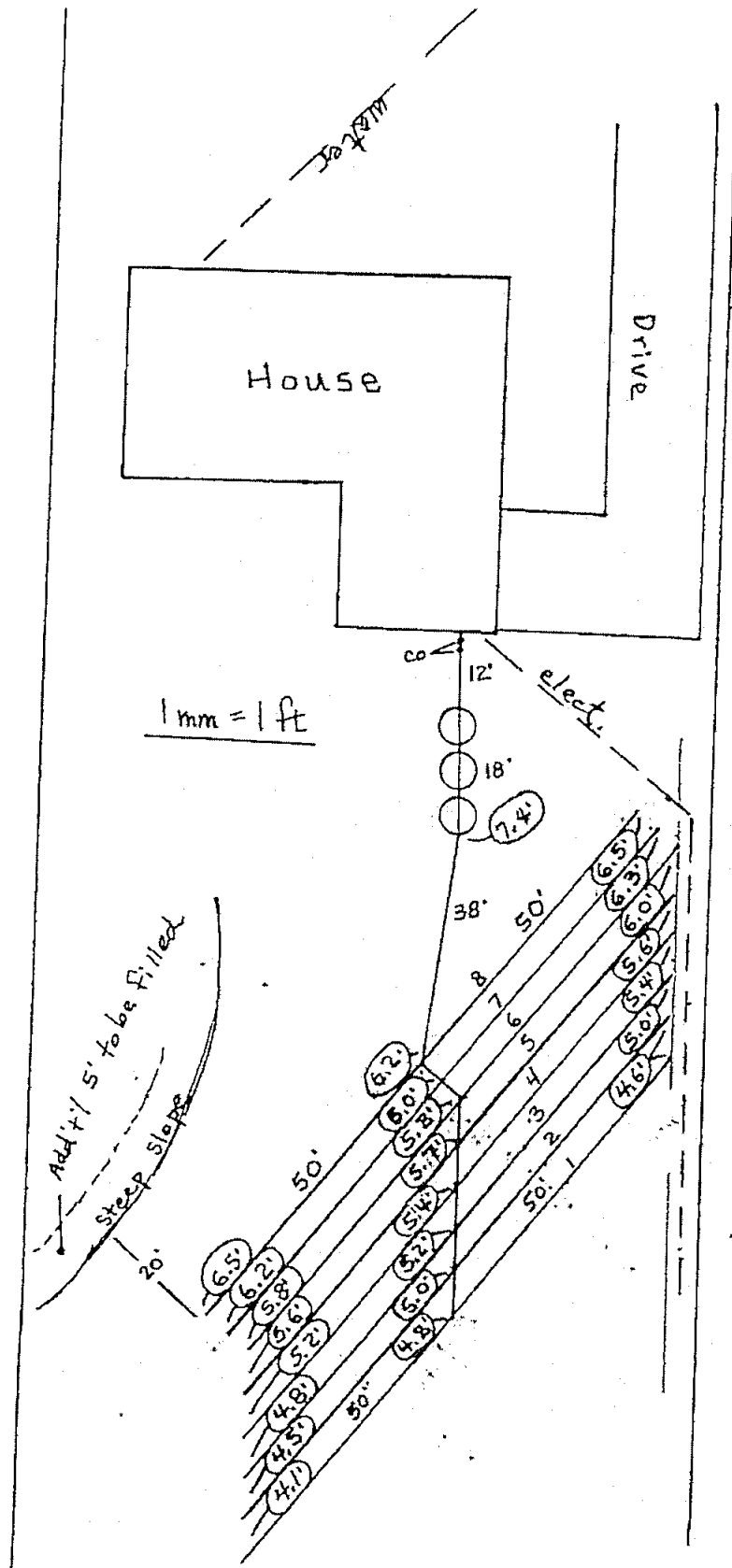


John Moody \* 3229 Francisco Bay Dr.

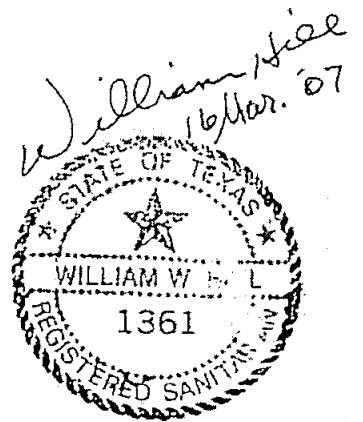
Daily Waste Flow	240 gal./day
Septic Tank Size	1000 gal.
Pumping Tank Size	500 gal.
Effluent Loading Rate	0.1 gal./sq. ft./day
Absorption Area	2400 sq. ft.
Total Length of laterals	800 ft.
Lateral Diameter	1 in. sch. 40
Lateral Configuration	see attached diagram
Supply Line Length	66 ft.
Supply Line Diameter	2 in. sch. 40
Manifold Placement	Center
Hole Size	1/8 in.
Hole Spacing & Flow per Hole	see attached chart
Number of Holes	119
Total Flow	30.4 GPM
Elevation Head	8.3 ft.
Friction Head	1.6 ft.
Pressure Head	1.5 ft.
Total Head	11.4 ft.
Pump Requirements	30.4 gpm. @ 11.4 ft. head
Suggested Pumps	Grundfos KP250 1/3 HP Barnes BP33 1/3 HP
Storage Volume in Laterals	32.8 gal.
Storage Volume in Supply	10.6 gal.
Total Storage	43.4 gal.
Dosing Volume	177.1 gal.
Dosing Depth	14.0 in.
Check Valve Needed?	YES
Anti-Siphon Hole Needed?	NO
Approximate Quantity of Rock	20 yds.
Effluent Filter Recommended	YES

Zabel A1800



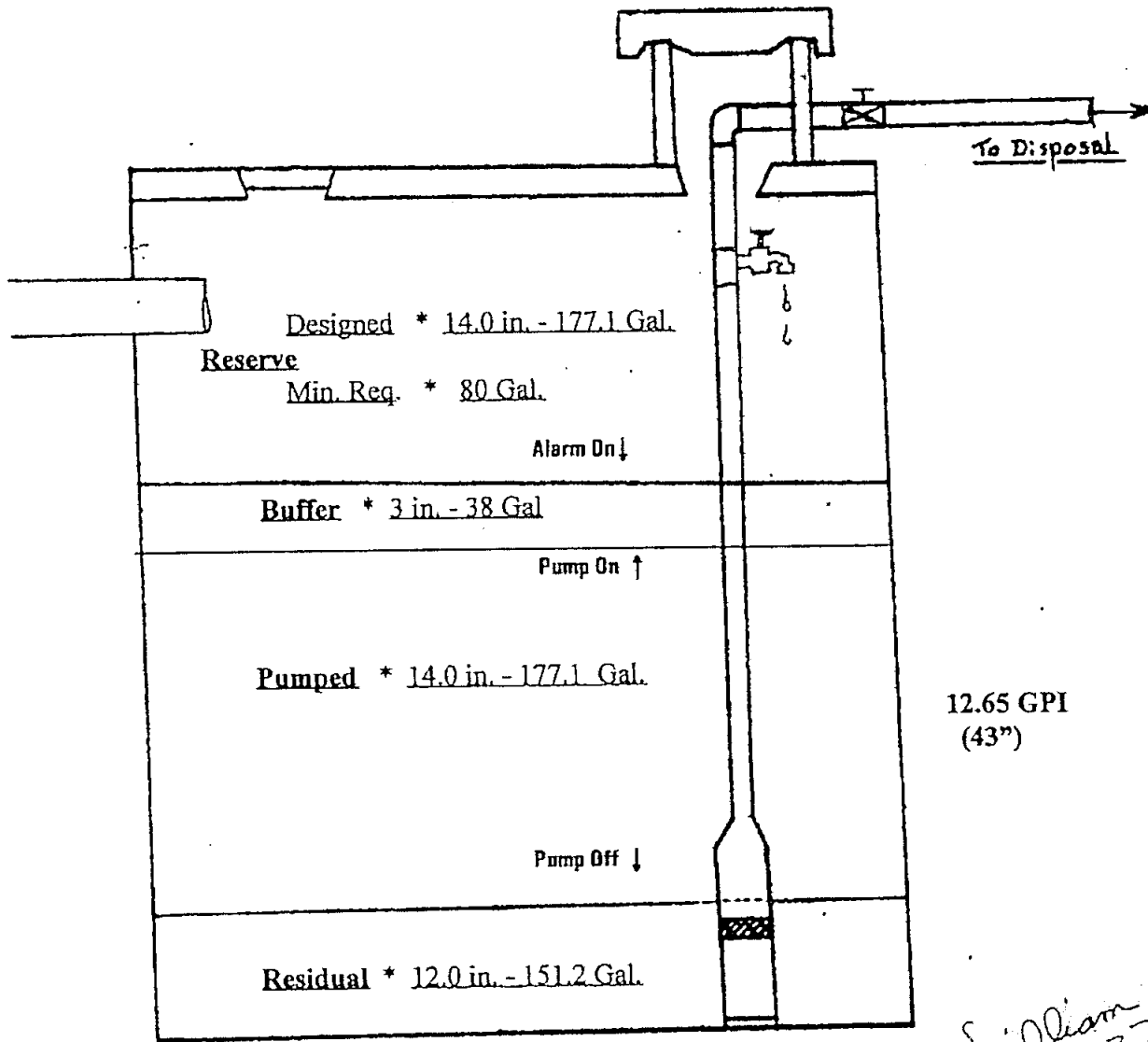


John Moody  
3

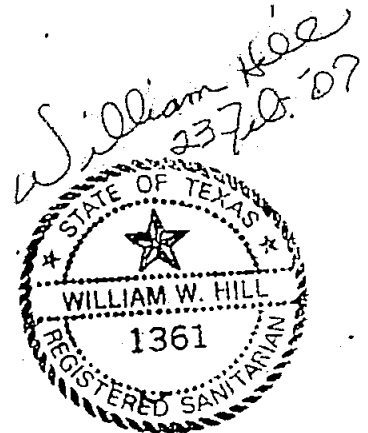


500 Gal. Concrete  
Ellison Concrete  
240 Gal./Day

John Moody  
3229 Francisco Bay Dr.



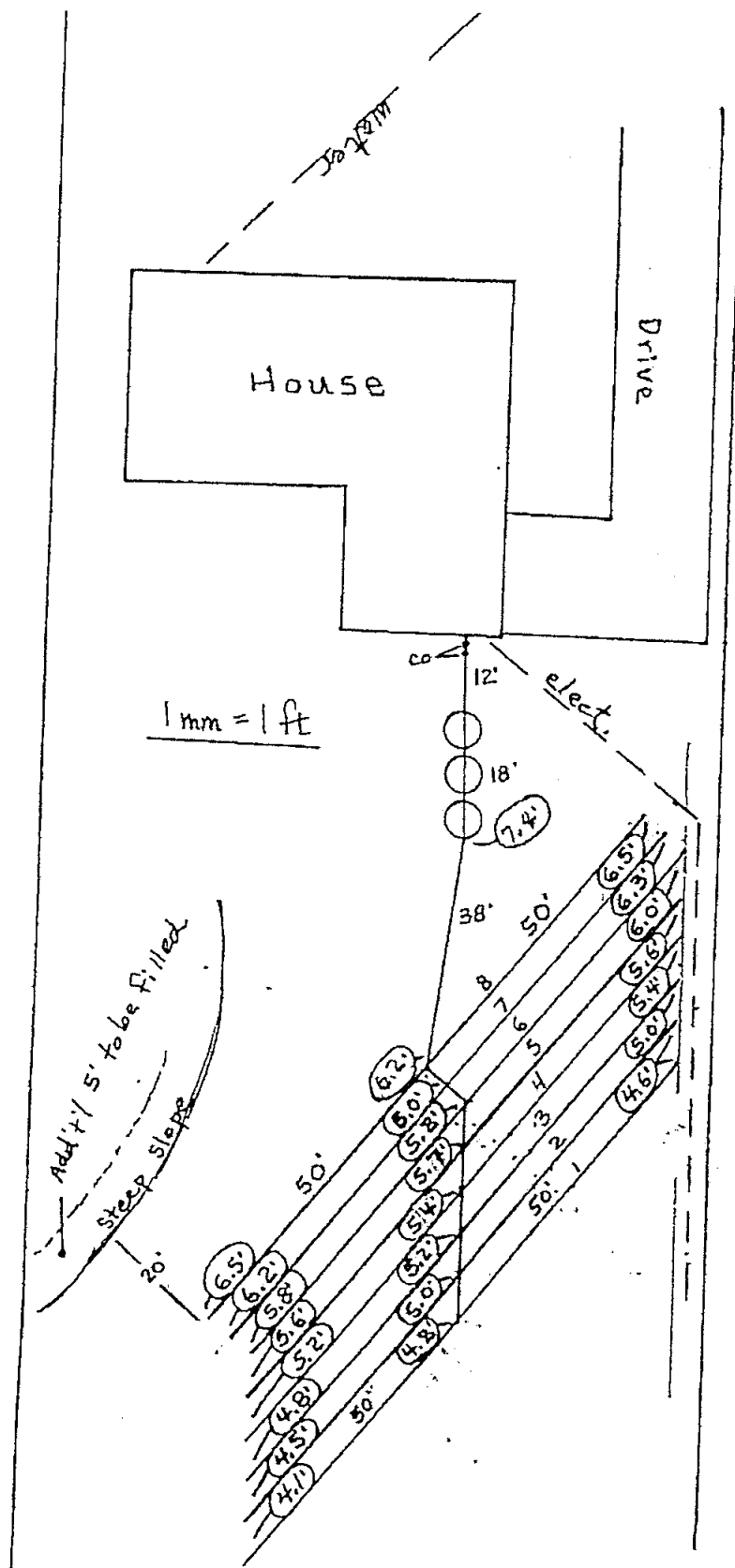
12.65 GPI  
(43")



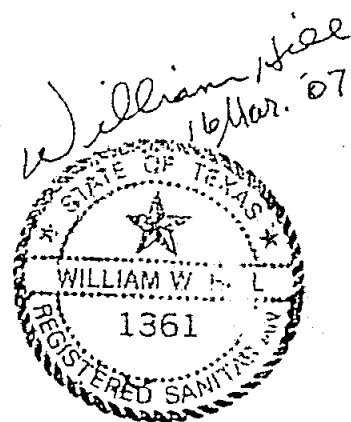
Must have visual and audible alarms.

**John Moody \* 3229 Francisco Bay Dr.**

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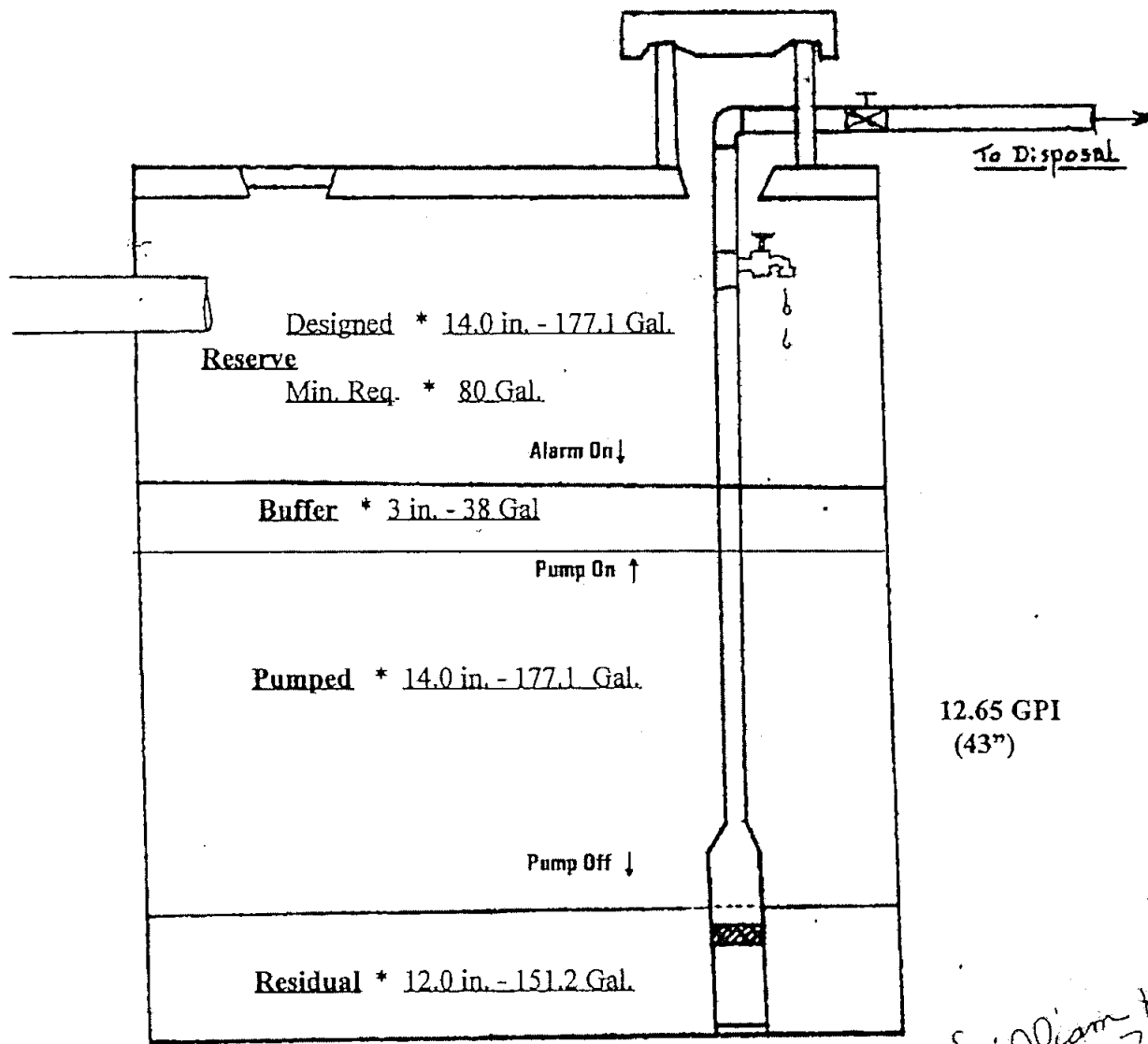


John Moody  
3

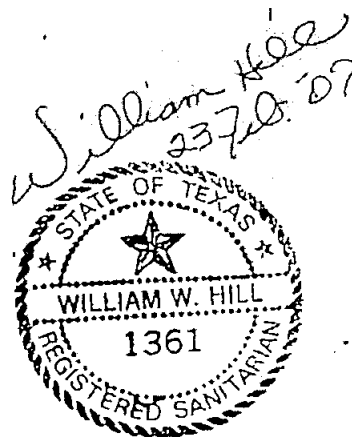


500 Gal. Concrete  
Ellison Concrete  
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John Moody  
3229 Francisco Bay Dr.



12.65 GPI  
(43")



Must have visual and audible alarms.