

# Permit to Construct Coryell County On Site Sewage Facility

## Single Family Residence

Application Number 1403 Date of Issue 11/5/98  
Type of system  
to be permitted LPD  
Professional Design Required yes X no \_\_\_\_\_  
Site evaluation by Big D Lic. # \_\_\_\_\_  
Installer Sonny Goodwin I-1 \_\_\_\_\_ I-2 \_\_\_\_\_ Lic. # 1225  
Designer (if required) Big D Lic. # \_\_\_\_\_  
Location of system 602 Cr 205  
No. of bedrooms 2 Sq. footage of dwelling < 2500  
Water Saving Fixtures X  
Water Supply Public water X Private Well \_\_\_\_\_  
New Construction X Replacement \_\_\_\_\_ Repair \_\_\_\_\_ Modification \_\_\_\_\_

### Profile Holes:

Number \_\_\_\_\_ Depth \_\_\_\_\_ Class of most restrictive horizon W  
Percent sand \_\_\_\_\_ Percent silt \_\_\_\_\_ Percent clay \_\_\_\_\_ in sample  
Groundwater: yes \_\_\_\_\_ no \_\_\_\_\_ IA soil present yes \_\_\_\_\_ no \_\_\_\_\_  
Solid rock present yes X no \_\_\_\_\_ 36 in

List other factors which would disallow a standard excavation at this location (if any).  
\_\_\_\_\_  
\_\_\_\_\_

Size of tank required 750+500 gal. Required drainfield area \_\_\_\_\_  
(if standard drainfield is allowed)  
Size of tank installed 750+500 gal. Manufacturer \_\_\_\_\_  
Serial No. \_\_\_\_\_

Installer certifies by this signature that this OSSF is installed in full compliance with all current state and county regulations.

Sonny Goodwin 1225 3-29-98  
Signature of installer License No. Date

Approval of OSSF and permit to operate granted:

Donnell Dandak 3/29/98  
County Designated Representative Date

Special Notice: This approval does not extend to the materials, workmanship, or fabrication of this system, so as to expressly or implicitly grant the owner or installer of the system any warranty or rights against Coryell County or its designated representative as to quality or durability of the system nor compliance with the owner's individual specifications and requirements, but solely relates to the system meeting the requirements of Coryell County and the TNRCC.

APPLICATION # 1403

APPLICATION  
for  
PERMIT TO CONSTRUCT  
ON-SITE SEWAGE SYSTEM  
in  
CORYELL COUNTY, TEXAS

*Rec'd  
Cert. f.  
from  
Dainor*

**THIS PERMIT APPLICATION IS VALID FOR ONE (1) YEAR FROM DATE OF PURCHASE**

Date of application purchase 1-5-98 Amount \$ 200.<sup>00</sup>

Permit application issued by [Signature]

Location of OSSF CR 245

Batesville, TX 76528

Owner Nathan Booth Address P.O. Box 5466

Phone 254-622-3216 Laguna Park, TX 76634

Installer \_\_\_\_\_ Address \_\_\_\_\_

Phone \_\_\_\_\_

Installers License # \_\_\_\_\_

Number of bedrooms in home \_\_\_\_\_ Sq. footage of home \_\_\_\_\_

**Subdivision Information**

Name of subdivision \_\_\_\_\_

Lot # \_\_\_\_\_ Block # \_\_\_\_\_ Phase \_\_\_\_\_

Legal description of the acreage (for use only if the proposed OSSF is located on land not already platted for subdivision).

Abstract # \_\_\_\_\_ Vol. # \_\_\_\_\_ Page # \_\_\_\_\_ Acres \_\_\_\_\_

Survey \_\_\_\_\_

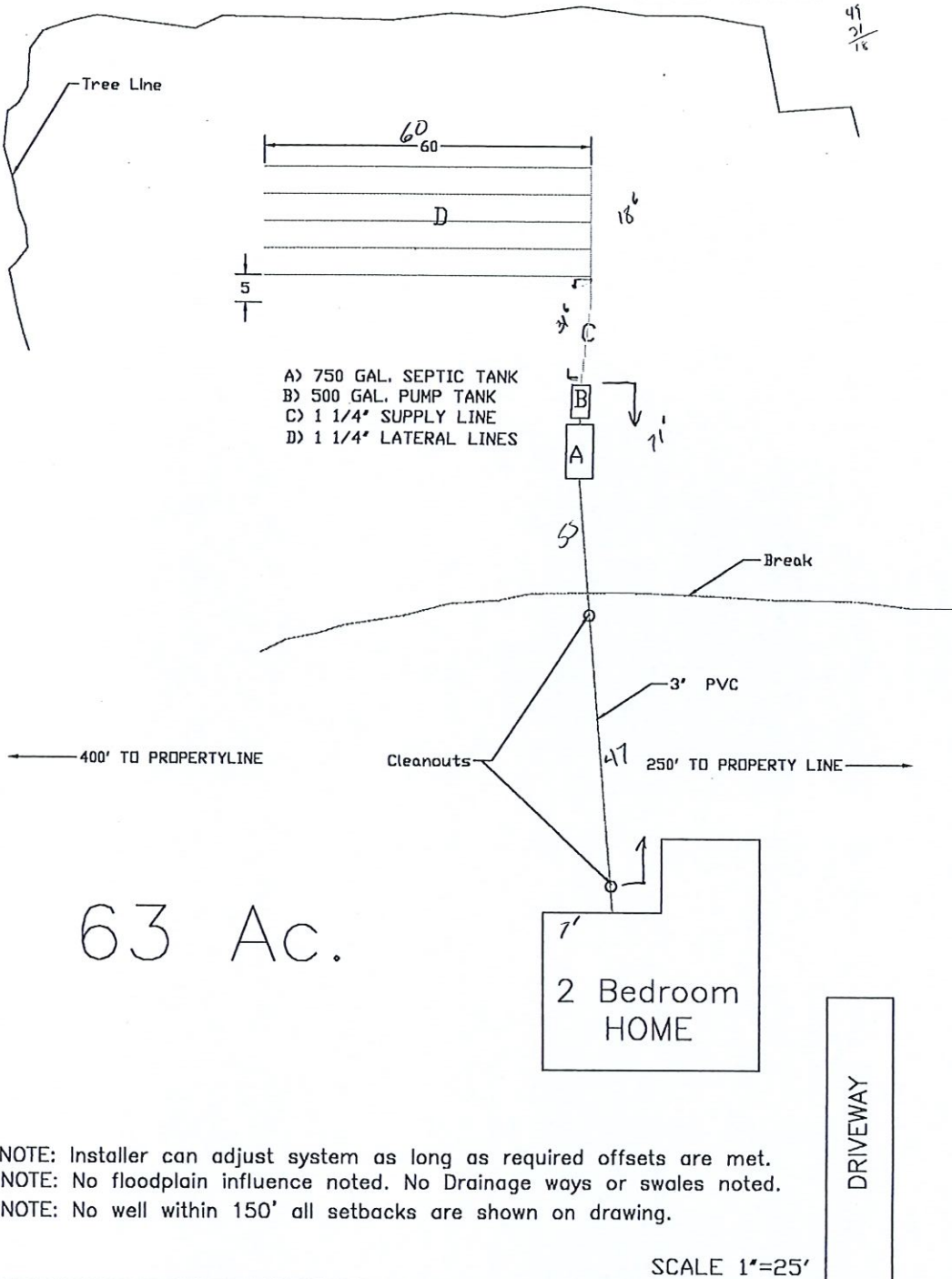
[Signature: Nathan Booth]  
Signature of Applicant

1-5-98  
Date

RECEIVED JUL 24 1998

NOTE: INSTALLER IS RESPONSIBLE FOR DAMAGE TO ABOVE AND UNDERGROUND UTILITIES.  
NOTE: DRAINFIELD WILL BE VEGETATED WITH SUMMER AND WINTER GRASSES

49  
21  
18



63 Ac.

NOTE: Installer can adjust system as long as required offsets are met.  
NOTE: No floodplain influence noted. No Drainage ways or swales noted.  
NOTE: No well within 150' all setbacks are shown on drawing.

SCALE 1"=25'

LATERALS WILL BE LAID ALONG CONTOURS.  
750 GAL. 2 COMPARTMENT SEPTIC TANK; 500 GAL. PUMP TANK  
SUPPLY LINE 1 1/4" ; LATERAL LINES 1 1/4" SCHD. 40 PVC  
LATERAL LINES 60' LONG WITH 1/8" HOLES EVERY 5'  
LATERAL LINES WILL BE SPACED ON 5' CENTERS  
TRENCHES WILL BE INSTALLED IN CLASS III MATERIAL



BY:  
BIG D ENGINEERING INC.  
1410 N. 7th  
TEMPLE, TEXAS 76501  
(254) 791-1274

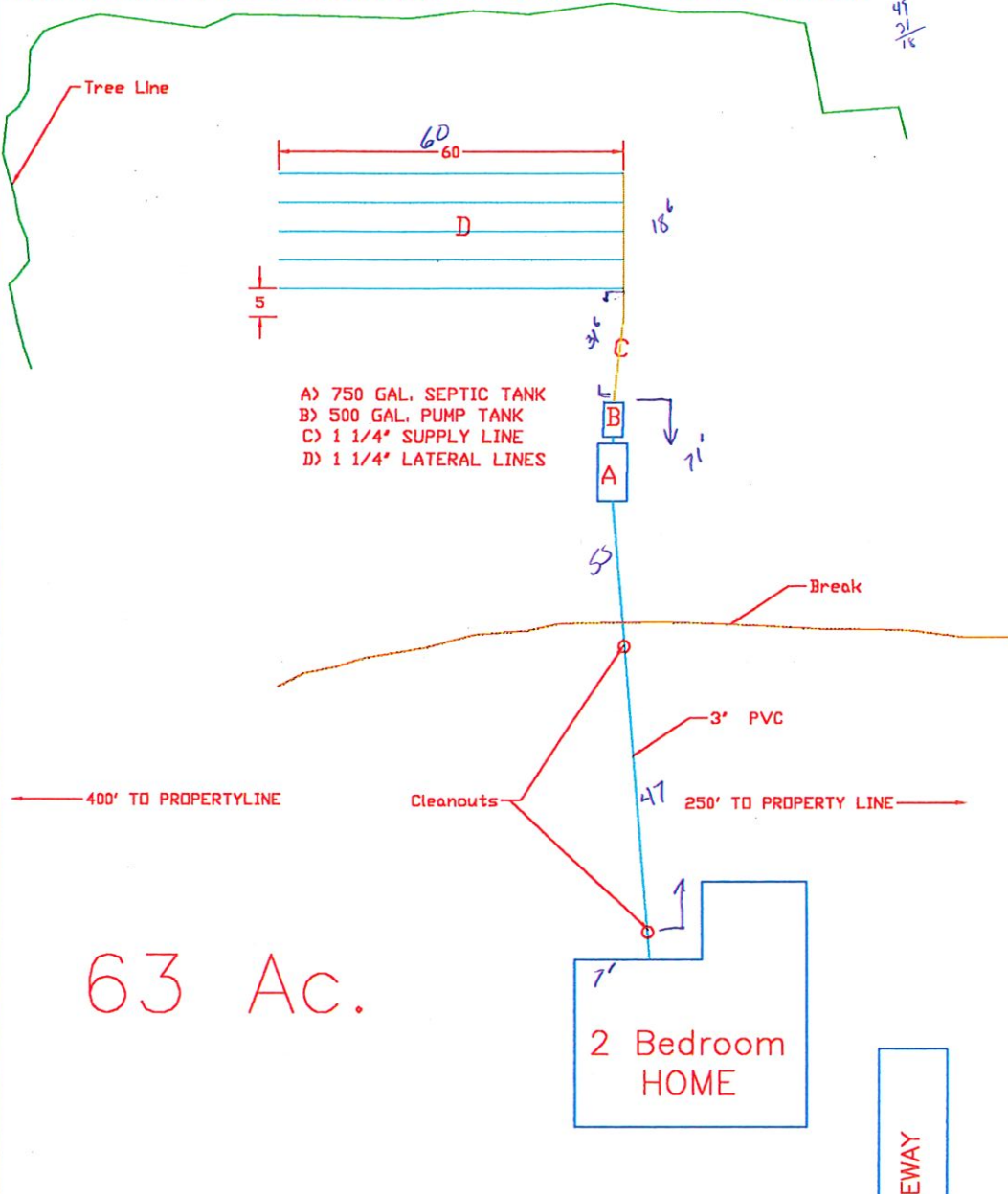
FOR:  
Mr. Nathan Booth  
602 CR 245  
Gatesville, TX 76528-3320

SEAL: 2/9/88

1403

NATHAN BOOTH - 602 CR 245

NOTE: INSTALLER IS RESPONSIBLE FOR DAMAGE TO ABOVE AND UNDERGROUND UTILITIES.  
NOTE: DRAINFIELD WILL BE VEGETATED WITH SUMMER AND WINTER GRASSES



63 Ac.

NOTE: Installer can adjust system as long as required offsets are met.  
NOTE: No floodplain influence noted. No Drainage ways or swales noted.  
NOTE: No well within 150' all setbacks are shown on drawing.

SCALE 1"=25'

LATERALS WILL BE LAID ALONG CONTOURS.  
750 GAL. 2 COMPARTMENT SEPTIC TANK; 500 GAL. PUMP TANK  
SUPPLY LINE 1 1/4" ; LATERAL LINES 1 1/4" SCHD. 40 PVC  
LATERAL LINES 60' LONG WITH 1/8" HOLES EVERY 5'  
LATERAL LINES WILL BE SPACED ON 5' CENTERS  
TRENCHES WILL BE INSTALLED IN CLASS III MATERIAL

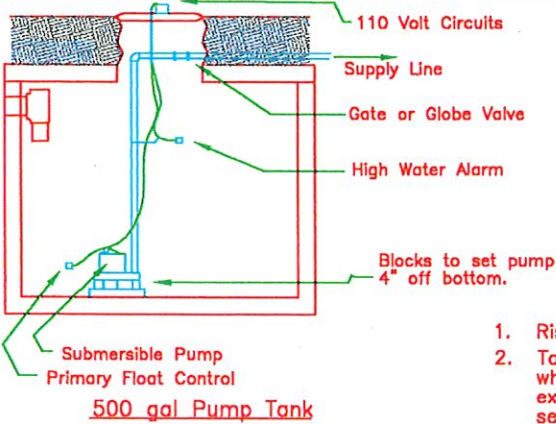


BY:  
**BIG D ENGINEERING INC.**  
1410 N. 7th  
TEMPLE, TEXAS 76501  
(254) 791-1274

FOR:  
Mr. Nathan Booth  
602 CR 245  
Gatesville, TX 76528-3320

SEAL: 2/9/18

NATHAN BOOTH — 602 CR 245— GATESVILLE



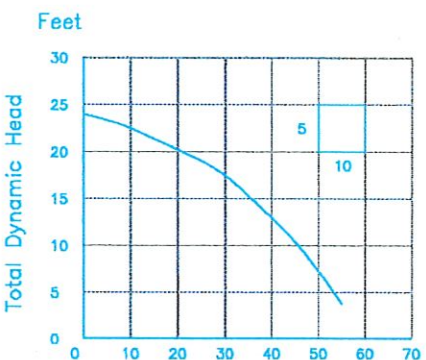
500 gal Pump Tank

PUMP TANK NOTES:

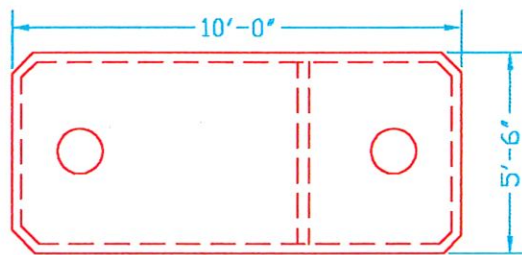
1. Alarm (Gould— audible & visual) to be located on house near sewer stub out, 2' off ground.
2. Alarm & Pump to be on separate circuits.
3. Pump shall be plugged into weather receptacle.

SEPTIC TANK NOTES:

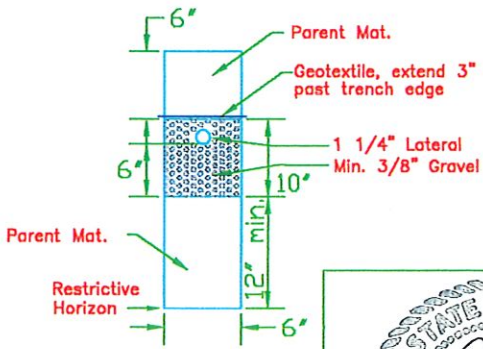
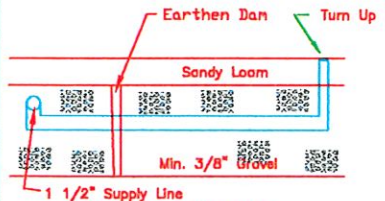
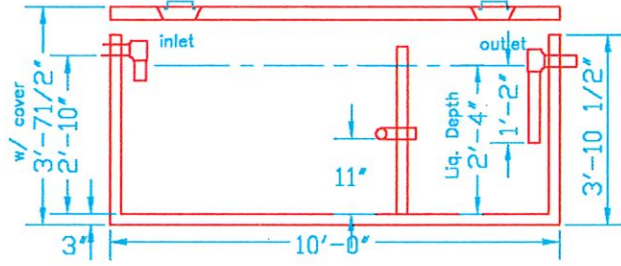
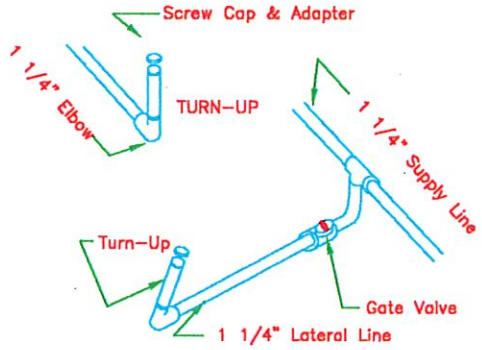
1. Risers required on cleanouts buried greater than 12".
2. Tank to be set on 4" min. sand/pea gravel cushion which has been sufficiently watered to preclude excessive settlement. Backfill around tanks will be select fill, sand, or sandy loam.
3. Tanks will be tightness tested with water. Pipe joints, riser, and lids will be appropriately sealed.
4. A Zabel filter will be installed at outlet.



Capacity - GPM  
Pump Curve  
(Goulds 3871)



750 gal Septic Tank

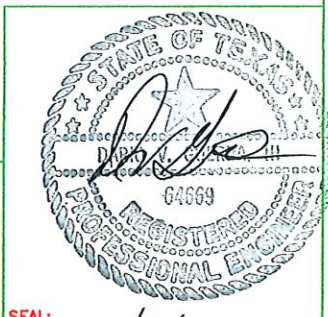


TRENCH NOTES:

1. Trench bottom to be level within 2".
2. Lateral pipe to be level within 1".
3. Maximum Trench Depth - 24".
4. Minimum Trench Depth - 16".
5. Earthen dams will be placed every 20' in trench

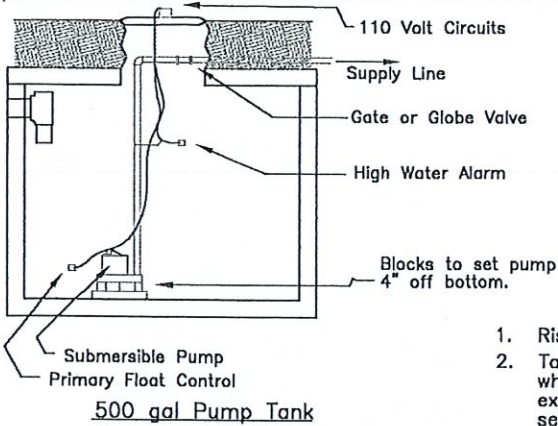
BY:  
**BIG D ENGINEERING, INC.**  
1410 N. 7TH  
TEMPLE, TEXAS 76501  
(254) 791-1274

FOR:  
Mr. Nathan Booth  
602 CR 245  
Gatesville, Texas 76528-3320



SEAL: 2/2/88

NATHAN BOOTH — 602 CR 245— GATESVILLE



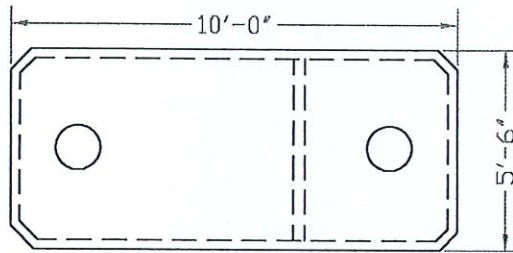
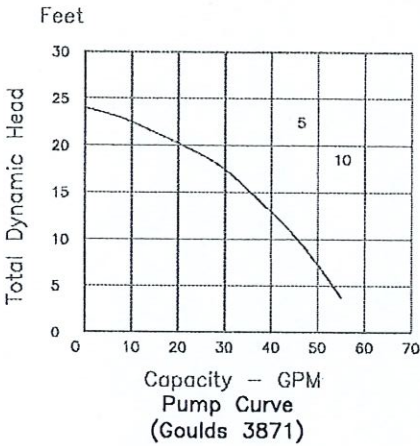
500 gal Pump Tank

PUMP TANK NOTES:

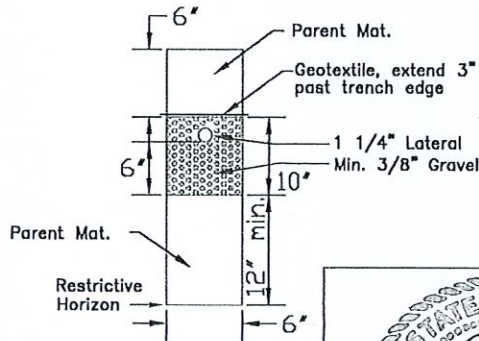
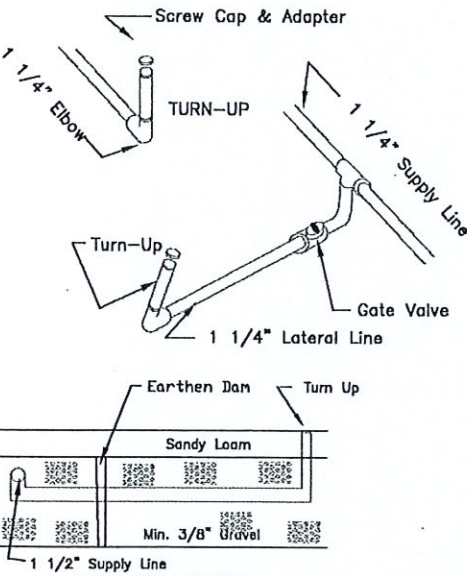
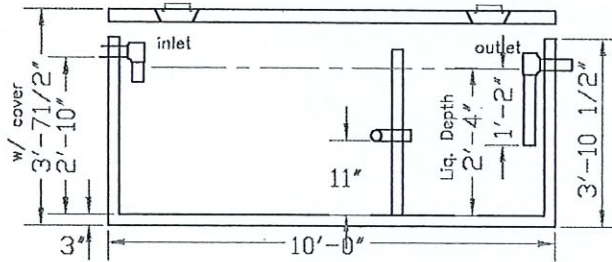
1. Alarm (Gould— audible & visual) to be located on house near sewer stub out, 2' off ground.
2. Alarm & Pump to be on separate circuits.
3. Pump shall be plugged into weather recepticle.

SEPTIC TANK NOTES:

1. Risers required on cleanouts buried greater than 12".
2. Tank to be set on 4" min. sand/pea gravel cushion which has been sufficiently watered to preclude excessive settlement. Backfill around tanks will be select fill, sand, or sandy loam.
3. Tanks will be tightness tested with water. Pipe joints, riser, and lids will be appropriately sealed.
4. A Zabel filter will be installed at outlet.



750 gal Septic Tank



TRENCH NOTES:

1. Trench bottom to be level within 2".
2. Lateral pipe to be level within 1".
3. Maximum Trench Depth — 24".
4. Minimum Trench Depth — 16".
5. Earthen dams will be placed every 20' in trench

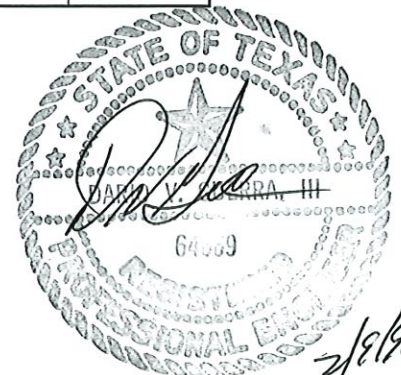
BY:  
**BIG D ENGINEERING, INC.**  
 1410 N. 7TH  
 TEMPLE, TEXAS 76501  
 (254) 791-1274

FOR:  
 Mr. Nathan Booth  
 602 CR 245  
 Gatesville, Texas 76528-3320



SEAL:  
*2/2/78*

DESIGN DATA				
PROJECT DESCRIPTION:	Low Pressure Dose Design for Mr. Nathan Booth 602 CR 245, Gatesville			
SITE USE:	Residential - 2 Bedroom	Q = 180 gpd*		
TOPOGRAPHY:	Flat	* Reduction for Low flow fixtures used		
SOILS INFORMATION				
Profile of Test Hole(s):	0-6" Clay Class IV / 6"-34" Class III / 36"> Rock			
BASIS FOR DESIGN:	UNC Publication UNC-SG-82-03 and TNRCC-1989			
DRAINFIELD SIZE:	A=Q/Loading Rate			
	Q=180 gpd			
	LR=0.2 gpd/sq.ft.	A=900 sq.ft.		
LENGTH DIST. LINES:	900 sq.ft./3 sq.ft./ft.	L=300 linear feet		
	Use 5 lines @ 60' lines			
TANK VOLUMES				
Septic (3 Bdrm):			750 gal.	
Pump			500 gal.	
DOSING RATE:	16 gpm			
	Use 1/8" diameter holes.			
Line# / # Holes	Press. Head	Flow/Hole	Flow/Line	Hole Spacing
One 12	2'	0.26	3.12	5.00'
Two 12	2'	0.26	3.12	5.00'
Three 12	2'	0.26	3.12	5.00'
Four 12	2'	0.26	3.12	5.00'
Five 12	2'	0.26	3.12	5.00'
<b>System Flow</b>	<b>Total =</b>	<b>17.6</b>	<b>GPM (2 GPM Added for Siphon)</b>	
FRICITION HEAD:	1.2 time pipe friction			
	1.2 x (40'x3.49'/100')=1.87'		(For 1 1/4" SCHD 40 PVC)	
ELEV. HEAD:	4' (pump)-5.5' (fall) = -1.5'			
PRESS. HEAD:	2'			
<b>TOTAL HEAD:</b>	1.87'-1.5'+2.0'		<b>T.H.=2.37'</b>	
PUMP SELECTION:	<b>GOULDS Model 3885</b>			
MIN. DOSING. VOL.:	Vol. Supply + 5(Vol. Laterals)			
	2.6 gal + 5(19.2gal) = 98.6 gals			
<b>DOSING VOLUME:</b>	<b>Set at 100 gallons</b>			
DOSING DEPTH:	(100 gal./500 gal) x 36" =7.2"			
(w/ 500 gal. tank)				
PUMP TANK VOL. :	Storage Above Alarm = (36"-4"-7.2"-1")/36" x 500 gals. = 330.6 gals.			
	240 gpd * 1/3 = 80 gal <330 gal.			
	<b>Tank Size, O.K..</b>			
<b>CHECK VALVE:</b>	<b>V storage = V supply+V laterals =2.6+19.2 =21.8gal</b>			
	<b>240 * 1/4=60</b>	60 > 21.8		
	<b>Valve not needed</b>			
SIPHON HOLE:	YES (1/4" Hole) 2 GPM added to total			



**Coryell County  
OSSF Program  
Certification  
of  
Professional Design**

Application No. 1403

Date of Issue 2/98

Location of OSSF 602 COUNTY ROAD 245

Professional Designer DARIO V. GUERRA III P.E

Address 1410 N. 7th, TEMPLE TX phone 791-1274  
76501

Description of the OSSF designed for this location:

LOW PRESSURE DOSE

All OSSF systems constructed in Coryell County must be inspected by the designer prior to the final county inspection. A signed copy of this certification form must be on file with county inspector before a permit to operate the system will be approved.

By my signature I certify that I DARIO V. GUERRA the designer of this OSSF have personally visited the location of this OSSF and have inspected the construction and operation of this system. I found this system to have been constructed according to my design plans and I certify that this system operates within the design parameters specified by my submitted design plans.

  
Signature of designer

6/2/98  
Date

RECEIVED JUN 04 1998





# INFORMATION ABOUT ON-SITE SEWER FACILITY

USE OF THIS FORM BY PERSONS WHO ARE NOT MEMBERS OF THE TEXAS ASSOCIATION OF REALTORS®, INC. IS NOT AUTHORIZED.  
©Texas Association of REALTORS®, Inc., 2004

**CONCERNING THE PROPERTY AT** 602 CR 245  
Gatesville, TX 76528

## A. DESCRIPTION OF ON-SITE SEWER FACILITY ON PROPERTY:

- (1) Type of Treatment System:  Septic Tank     Aerobic Treatment     Unknown
- (2) Type of Distribution System: \_\_\_\_\_  Unknown
- (3) Approximate Location of Drain Field or Distribution System: \_\_\_\_\_  Unknown
- (4) Installer: \_\_\_\_\_  Unknown
- (5) Approximate Age: 26 yrs old \_\_\_\_\_  Unknown

## B. MAINTENANCE INFORMATION:

- (1) Is Seller aware of any maintenance contract in effect for the on-site sewer facility?  Yes  No  
If yes, name of maintenance contractor: \_\_\_\_\_  
Phone: \_\_\_\_\_ contract expiration date: \_\_\_\_\_  
*Maintenance contracts must be in effect to operate aerobic treatment and certain non-standard on-site sewer facilities.)*
- (2) Approximate date any tanks were last pumped? \_\_\_\_\_
- (3) Is Seller aware of any defect or malfunction in the on-site sewer facility?  Yes  No  
If yes, explain: \_\_\_\_\_
- (4) Does Seller have manufacturer or warranty information available for review?  Yes  No

## C. PLANNING MATERIALS, PERMITS, AND CONTRACTS:

- (1) The following items concerning the on-site sewer facility are attached:  
 planning materials     permit for original installation     final inspection when OSSF was installed  
 maintenance contract     manufacturer information     warranty information    \_\_\_\_\_
- (2) "Planning materials" are the supporting materials that describe the on-site sewer facility that are submitted to the permitting authority in order to obtain a permit to install the on-site sewer facility.
- (3) It may be necessary for a buyer to have the permit to operate an on-site sewer facility transferred to the buyer.

(TXR-1407) 1-7-04      Initialed for Identification by Buyer \_\_\_\_\_, \_\_\_\_\_ and Seller JB, \_\_\_\_\_      Page 1 of 2

Information about On-Site Sewer Facility concerning \_\_\_\_\_

D. INFORMATION FROM GOVERNMENTAL AGENCIES: Pamphlets describing on-site sewer facilities are available from the Texas Agricultural Extension Service. Information in the following table was obtained from Texas Commission on Environmental Quality (TCEQ) on 10/24/2002. The table estimates daily wastewater usage rates. Actual water usage data or other methods for calculating may be used if accurate and acceptable to TCEQ.

<u>Facility</u>	<u>Usage (gal/day) without water-saving devices</u>	<u>Usage (gal/day) with water-saving devices</u>
Single family dwelling (1-2 bedrooms; less than 1,500 sf)	225	180
Single family dwelling (3 bedrooms; less than 2,500 sf)	300	240
Single family dwelling (4 bedrooms; less than 3,500 sf)	375	300
Single family dwelling (5 bedrooms; less than 4,500 sf)	450	360
Single family dwelling (6 bedrooms; less than 5,500 sf)	525	420
Mobile home, condo, or townhouse (1-2 bedroom)	225	180
Mobile home, condo, or townhouse (each add'l bedroom)	75	60

This document is not a substitute for any inspections or warranties. This document was completed to the best of Seller's knowledge and belief on the date signed. Seller and real estate agents are not experts about on-site sewer facilities. Buyer is encouraged to have the on-site sewer facility inspected by an inspector of Buyer's choice.

*Joyce Booth*  
\_\_\_\_\_  
Signature of Seller

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Seller

\_\_\_\_\_  
Date

**Joyce B Booth**

Receipt acknowledged by:

\_\_\_\_\_  
Signature of Buyer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Buyer

\_\_\_\_\_  
Date

