

Permit to Construct Coryell County On Site Sewage Facility

Single Family Residence

Application Number 1403 Date of Issue 1/5/98
Type of system
to be permitted LPD
Professional Design Required yes X no
Site evaluation by Big D Lic. #
Installer Sanny 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 12
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.

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

Approval of OSSF and permit to operate granted:

Donnell Donnell 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

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

Date of application purchase 1-5-98 Amount \$ 200.⁰⁰

Permit application issued by [Signature]

Location of OSSF CR 245

Owner Nathan Booth Address Batesville, TX 76528
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 _____

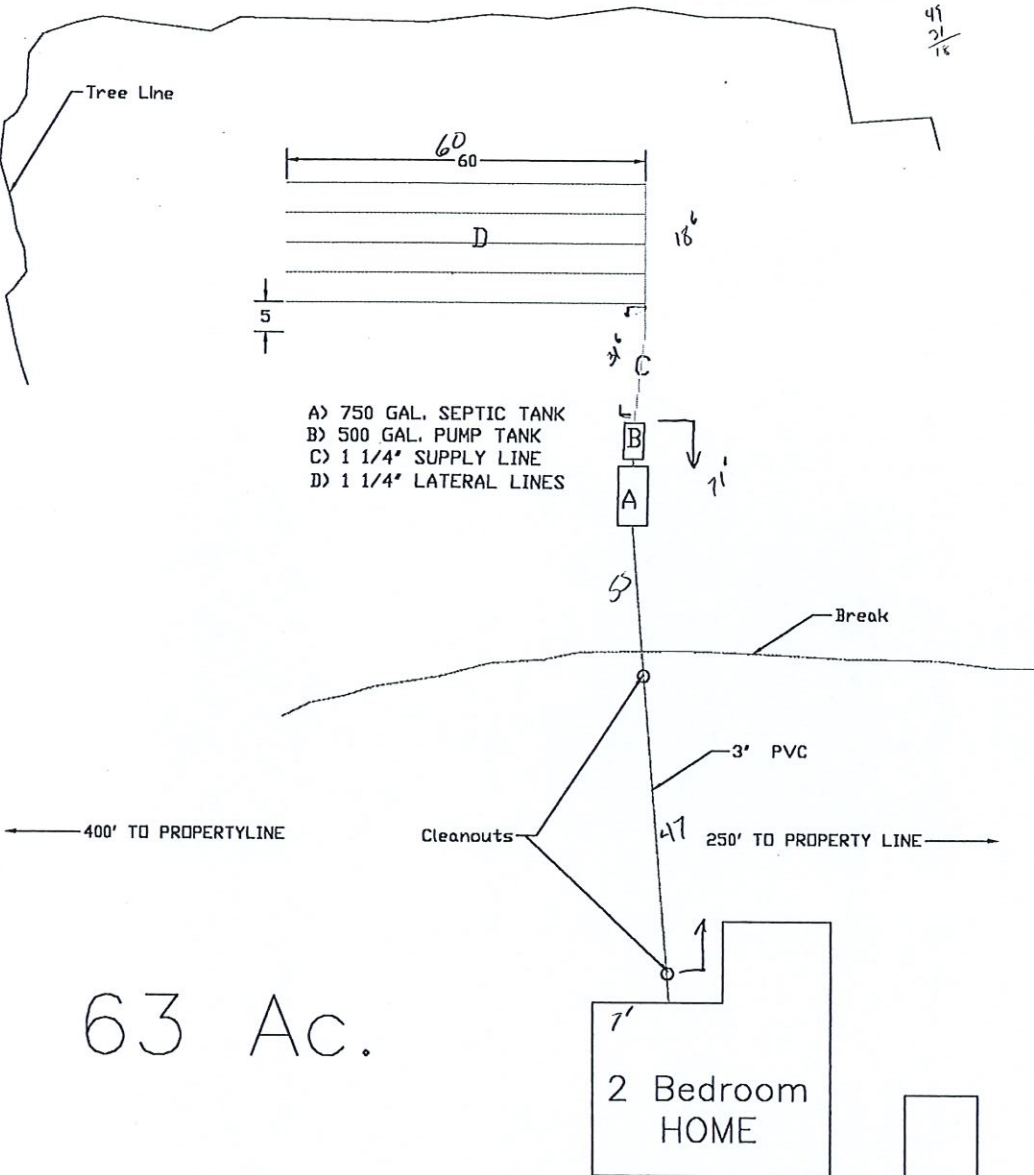
[Signature: Nathan Booth]
Signature of Applicant

1-5-98
Date

RECEIVED JUL 24 1998

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



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

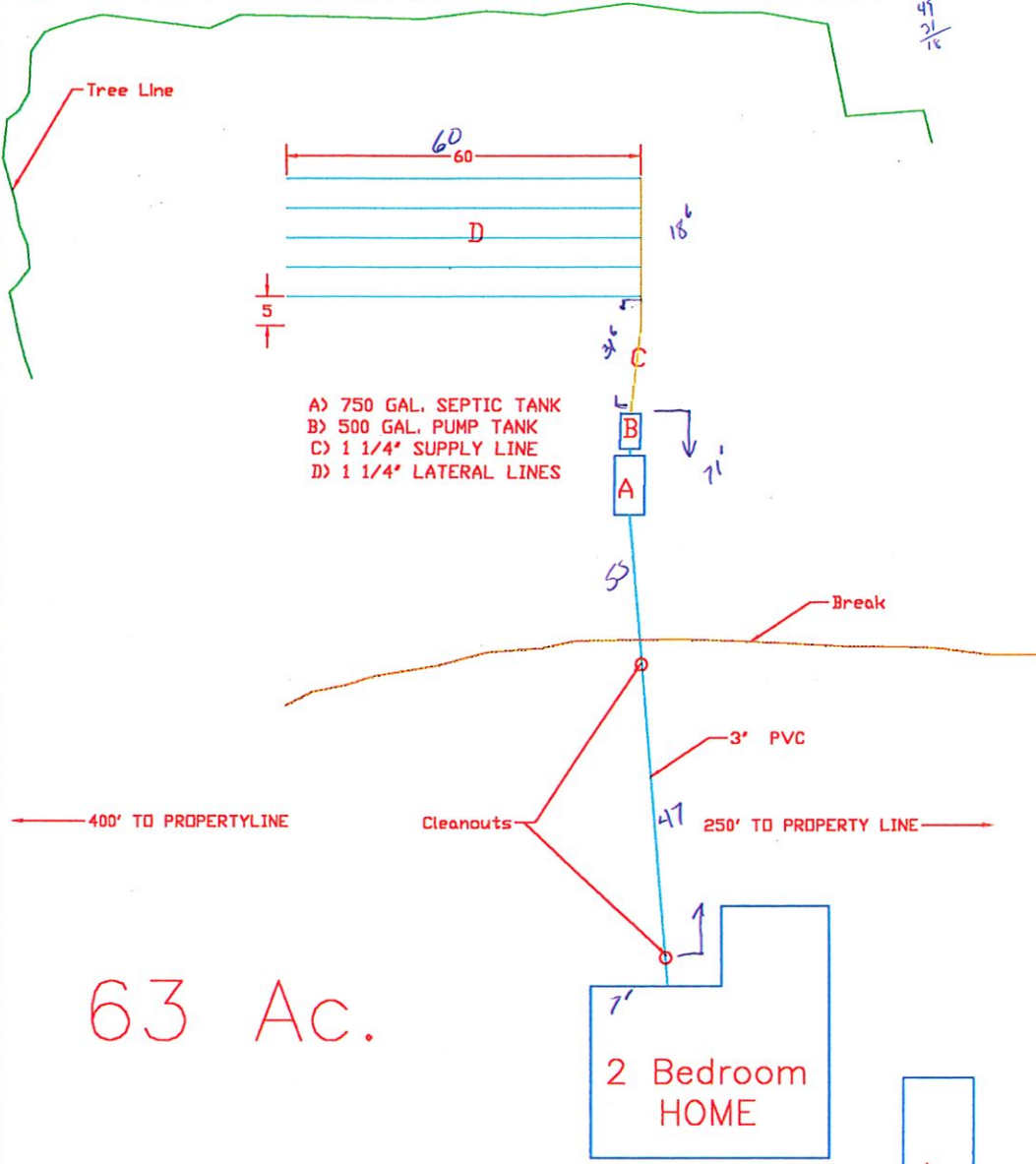


SEAL: 2/9/88

1403

NATHAN BOOTH - 602 CR 245

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63 Ac.

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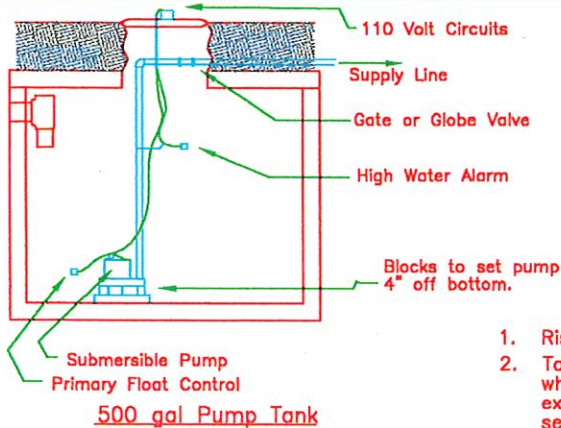
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602 CR 245
Gatesville, TX 76528-3320

SEAL: 2/9/18

1403

NATHAN BOOTH — 602 CR 245— GATESVILLE

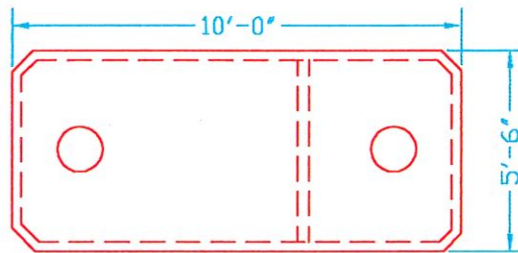
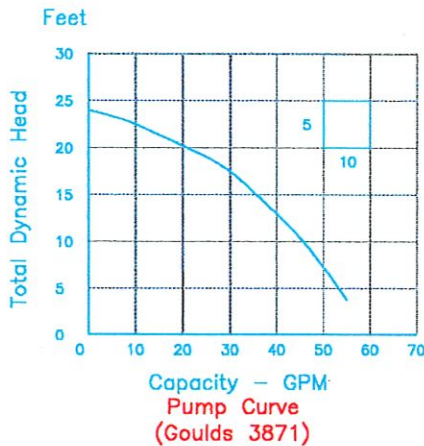


PUMP TANK NOTES:

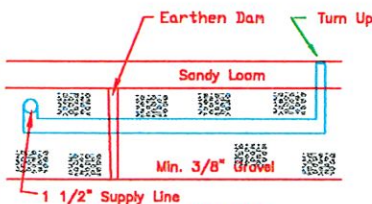
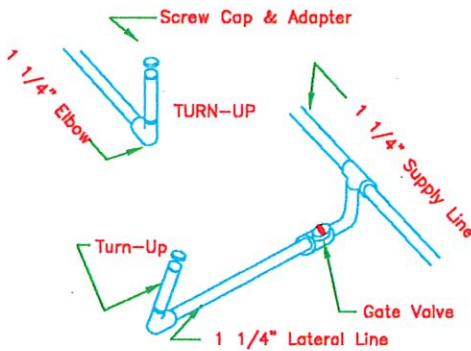
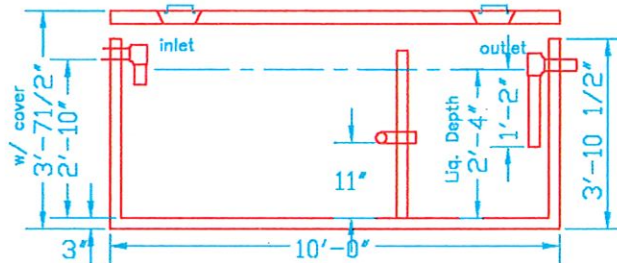
1. Alarm (Gould— audible & visual) to be located on house near sewer stub out, 2' off ground.
2. Alarm & Pump to be on separate circuits.
3. Pump shall be plugged into weather receptacle.

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.

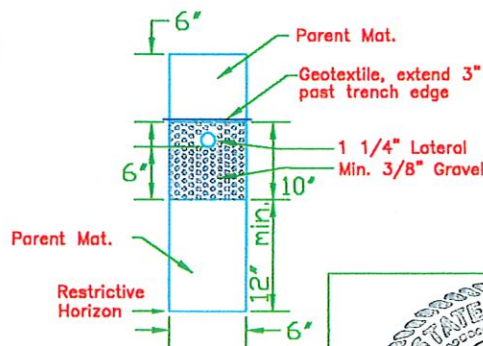


750 gal Septic Tank



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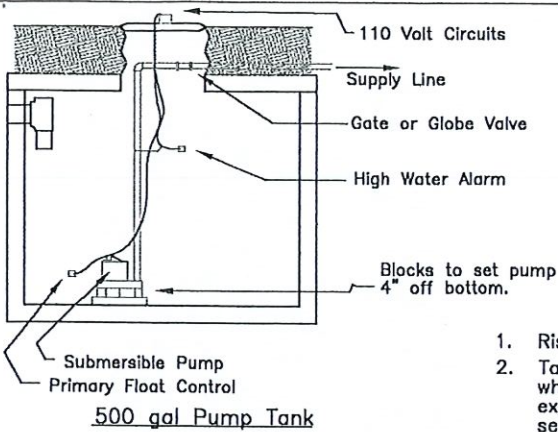
FOR:
Mr. Nathan Booth
602 CR 245
Gatesville, Texas 76528-3320



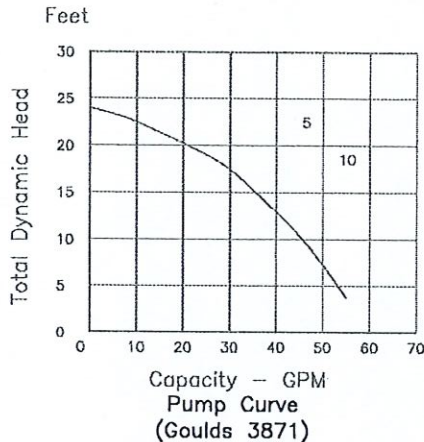
SEAL:

2/2/78

NATHAN BOOTH — 602 CR 245— GATESVILLE



500 gal Pump Tank



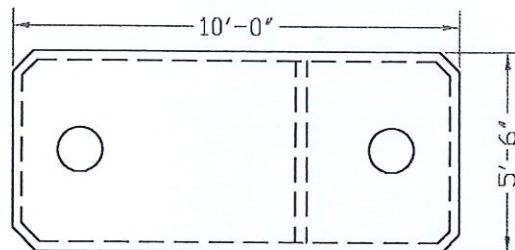
Capacity — GPM
Pump Curve
(Goulds 3871)

PUMP TANK NOTES:

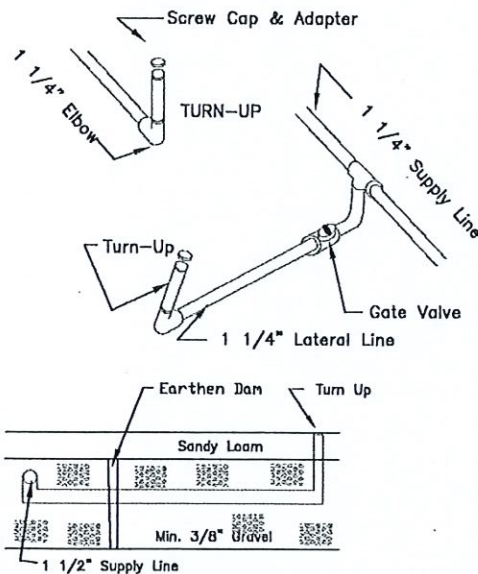
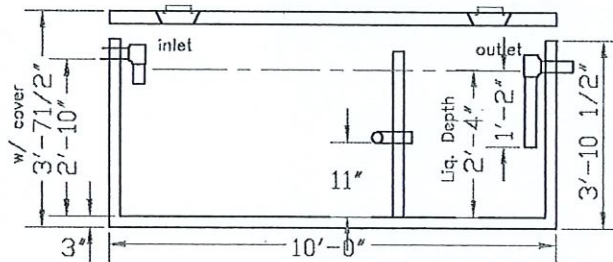
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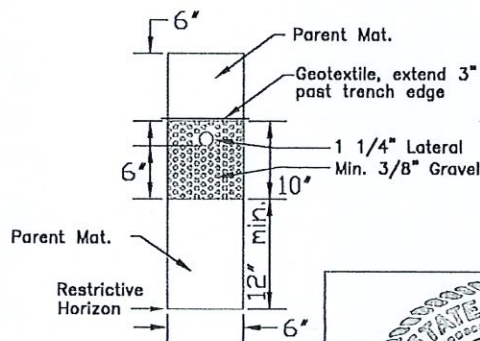


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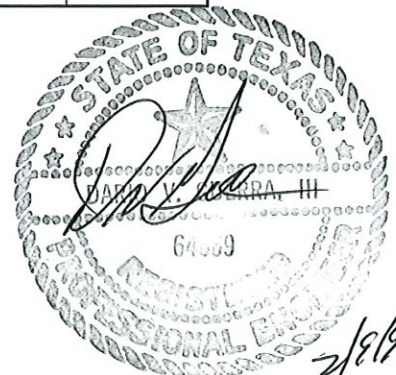
FOR:
Mr. Nathan Booth
602 CR 245
Gatesville, Texas 76528-3320



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'
System Flow	Total =	17.6	GPM (2 GPM Added for Siphon)	
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'			
TOTAL HEAD:	1.87'-1.5'+2.0'		T.H.=2.37'	
PUMP SELECTION:	GOULDS Model 3885			
MIN. DOSING. VOL.:	Vol. Supply + 5(Vol. Laterals)			
	2.6 gal + 5(19.2gal) = 98.6 gals			
DOSING VOLUME:	Set at 100 gallons			
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.			
	Tank Size, O.K..			
CHECK VALVE:	V storage = V supply+V laterals =2.6+19.2 =21.8gal			
	240 * 1/4=60	60 > 21.8		
	Valve not needed			
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