

RECEIVED

By CLytle at 7:21 am, Mar 29, 2007



Department of Energy
National Nuclear Security Administration
Pantex Site Office
P. O. Box 30030
Amarillo, TX 79120
MAR 28 2007



MEMORANDUM FOR: J. Alan Jones, Legal, BWXT Pantex LLC

FROM:

Jerry S. Johnson
Jerry S. Johnson, Assistant Manager for Environmental
& Site Engineering Programs

SUBJECT:

Pantex Plant – RN100210756
Authorization to Construct an On-Site Sewage Facility
Located at Section 51, Block M-4, J.H. Gibson Survey
Carson County, Texas
OSSF Permit Application Number 033-0224

Please reference the attached letter from the Texas Commission on Environmental Quality (TCEQ) Region 1 office, dated January 4, 2007, subject as above.

Referenced letter authorizes the construction of an On-Site Sewage Facility (OSSF) at the office building at FS-1 and returns the Pantex application. The attached letter was resent by the TCEQ Region 1 Office and received by the Pantex Site Office (PXSO) on March 7, 2007, but contains the same date as the previous letter we received on January 10, 2007.

On February 27, 2007, BWXT and PXSO staff hand delivered the revised application to the TCEQ Region 1 Office and met with Jim McWilliams. At that meeting, the TCEQ Region 1 Office determined to send a revised approval letter for the OSSF containing the original approval letter date. The TCEQ Region 1 Office cited that the fees had already been received and processed and that the one-year time frame for construction and inspection of the OSSF had begun.

Pursuant to Title 30, Texas Administrative Code (TAC), Chapter 285, Pantex has one year from the TCEQ Region 1 approval date of January 4, 2007, to install the OSSF and accompany TCEQ Region 1 staff for the required soil/site evaluation and inspection of the OSSF. If a final inspection has not occurred within the one-year time frame, a new application and application fee will be required.

If you have any questions, please contact Jane Farris of my staff at extension 3164.

Attachments

cc w/attachment (via email):

D. Riekenberg, SC, PXSO
J. Guelker, SS, PXSO
L. Pendlebury, EC, PXSO
C. Snider, EC, PXSO

J. Flowers, RCD, BWXT
D. McBride, RCD, BWXT
D. Franklin, WOD, BWXT
RCD/WOD, Records, BWXT

EC:FY07:096;FY07:34653:EC

DDE #2007 00379

RECEIVED
By Line! Carter at 4:03 pm, Feb 26, 2007



U. S. Department of Energy
National Nuclear Security Administration
Pantex Site Office
P. O. Box 30030
Amarillo, TX 79120-0030



FEB 21 2007

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

Mr. Brad Jones
Texas Commission on Environmental Quality
3918 Canyon Drive
Amarillo, TX 79109-4996

Re: Pantex Plant; RN100210756
USDOE/NNSA-CN600125009; BWXT Pantex LLC-CN601599103
Revised On-Site Sewage Facility (OSSF) Applications
Application Numbers 033-0223 and 033-0224

Dear Mr. Jones:

Please reference my letter dated December 21, 2006, providing applications and requesting approval of construction of two OSSFs, one at Firing Site (FS) 1 and one at Firing Site 22, at the Pantex Plant. Referenced letter also transmitted check #249282, in the amount \$820.00.

Your office provided approvals in correspondence dated January 4, 2007. The original applications that were returned with TCEQ approvals contained handwritten changes to Section II, Daily Wastewater Usage Rates, and Section IV, Disposal System, based on discussions between your staff and BWXT Pantex.

We reviewed the above changes and Legal Description information in both applications and prepared the revised applications to reflect those changes and to more accurately describe the locations of the proposed OSSFs. The changes made to the applications in regard to Legal Description information are: 1) Section 36 was changed to Section 51 for the FS 1 OSSF installation; 2) Section 37 was changed to Section 36 for the FS 22 OSSF installation; and 3) the Plat Dates in both applications were changed from January 28, 1943, to April 27, 1942. Location changes reflect recent upgrade to Pantex capability in geographic information system mapping that allows for more precise identification of section line and structure locations.

Pursuant to 30 TAC 285, we understand that applicants have one year after approval of an application to install the OSSF and obtain a TCEQ construction inspection. After TCEQ inspection and approval, Pantex will begin operation of each of the OSSFs.

If you have any questions, please contact Jane Farris of my staff at (806) 477-3164.

Sincerely,

Jerry S. Johnson
Assistant Manager for Environmental
& Site Engineering Programs

Enclosures
cc w/enclosures:
J. McWilliams, TCEQ, Amarillo
EC:FY07:079;FY06:33943:EC

Mr. Brad Jones, TCEQ

2

FEB 21 2007

bcc w/enclosures (via email):

D. Riekenberg, SC, PXSO
J. Guelker, SS, PXSO
L. Pendlebury, EC, PXSO
J. Flowers, RCD, BWXT
R. Roulston, RCD, BWXT
D. McBride, RCD, BWXT
J. Clemmer, AT, BWXT
J. Kirkes, Maintenance, BWXT
RCD, Records, BWXT



Texas Commission on Environmental Quality
APPLICATION FOR ON-SITE SEWAGE FACILITY
NEW CONSTRUCTION

TCEQ REGION NUMBER

CARSON
COUNTY OF INSTALLATION

TCEQ USE ONLY

APPLICATION NO.

DATE

AMOUNT

1. PROPERTY OWNER'S NAME: U.S. DEPT. OF ENERGY - NNSA
2. CURRENT MAILING ADDRESS: P.O. Box 30030, AMARILLO, TX 79120-0030
3. DAYTIME TELEPHONE NO.: (806) 477-3125
4. 911 SITE ADDRESS: 955 FM 2373 (CARSON COUNTY-HWY 60 & FM 2373) PANHANDLE, TX
5. LEGAL DESCRIPTION: Sec. 51 Block M-4 Lot N/A Plat Date 4-27-42 79068
SUBDIVISION: PANTEX SITE, J. H. GIBSON SURVEY
6. OTHER THAN SUBDIVISION: Acreage: N/A Survey Name: J.H. GIBSON
Abstract Name/No.: N/A
7. PHYSICAL LOCATION/DIRECTIONS TO SITE: 17 MILES NE OF AMARILLO ON
U.S. HWY 60 AND AT FM 2373
7. SOURCE OF WATER: Private Well Public Water Supply U.S. DEPT. OF ENERGY
(Name of Supplier)
8. SINGLE FAMILY RESIDENCE: No. of Bedrooms _____ Living Area (ft²) _____
9. COMMERCIAL/INSTITUTIONAL (including multi-family residences) TYPE: OFFICE BLDG. (BLDG. FS-1)
NO. OF EMPLOYEES/OCCUPANTS/UNITS: 12 DAYS OCCUPIED PER WEEK: 5
10. SITE EVALUATOR: SEAN LANIER LICENSE NO. PE 84901
PHONE NO.: 806-477-4203
11. DESIGNER: SEAN LANIER LICENSE NO. (PE or RS) PE 84901
PHONE NO.: 806-477-4203
12. INSTALLER: JEFF KIRKES LICENSE NO. 050025207
PHONE NO.: 806-433-3123

I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to the Texas Commission on Environmental Quality to enter upon the above described property for the purpose of soil/site evaluation and investigation of an on-site sewage facility. Entry to the Panter plant must be coordinated in advance with the owner, in accordance with Panter plant's visitor access requirements. If you have questions on how to fill out this form or about the on-site sewage facility program, please contact us at your local regional office or at 512/239-0914. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.


(SIGNATURE OF OWNER)

2/21/07
(DATE)

Texas Commission on Environmental Quality

ON-SITE SEWAGE FACILITY
TECHNICAL INFORMATION FOR PERMIT

APPLICATION # _____

**DO NOT BEGIN CONSTRUCTION PRIOR TO APPLICATION APPROVAL.
UNAUTHORIZED CONSTRUCTION CAN RESULT IN CIVIL AND/OR ADMINISTRATIVE PENALTIES.**

OWNER'S NAME: U.S. DEPT. OF ENERGY - NNSA COUNTY: CARSON

Professional design required? Yes No If yes, professional design attached? Yes No

I. SEWER (House drain):

TYPE AND SIZE OF PIPE: 4" PVC

SLOPE OF SEWER PIPE TO TANK: 1/8" PER FOOT

II. DAILY WASTEWATER USAGE RATE: Q= 250 (gallons/day)

WATER SAVING DEVICES: Yes No

III. TREATMENT UNIT:

<input checked="" type="checkbox"/> Septic Tank	<input type="checkbox"/> Aerobic Unit
A. • TANK DIMENSIONS: <u>116" x 55" x 66"</u>	• LIQUID DEPTH (BOTTOM OF TANK TO OUTLET): <u>54"</u>
• SIZE REQUIRED: <u>1,000 GAL</u>	• SIZE PROPOSED: <u>1,250 GAL</u>
• MANUFACTURER: <u>NORWESLO</u>	• MATERIAL/MODEL #: <u>110820</u>
• PRETREATMENT TANK: <input type="checkbox"/> Yes	SIZE: _____ (gal) <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

B. OTHER: _____

(Please attach description)

IV. DISPOSAL SYSTEM: TYPE: BIODIFFUSER PANELS

• AREA REQUIRED: 843.75 FT² • AREA PROPOSED: 949 FT²

V. ADDITIONAL INFORMATION:

NOTE - THIS INFORMATION MUST BE ATTACHED FOR REVIEW TO BE COMPLETED.

A. SOIL/SITE EVALUATION

B. PLANNING MATERIALS

The attached checklist details those items that must be addressed under each of these categories.

Don A. Lewis

DESIGNER'S SIGNATURE

PE 84901

LICENSE NO.

1-26-07

DATE

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
SITE EVALUATION AND PLANNING MATERIALS FOR AN ON-SITE SEWAGE FACILITY

The following information must be submitted with the design package for review by the TCEQ.
Failure to include or address all of the following items may result in approval delays.

Application No. 833-52224

Applicant/Site Information		Site Evaluator Information	
Name	<u>U.S. DEPT. OF ENERGY</u>	Name	<u>S.R. LANIER</u>
Address	<u>P.O. BOX 30030</u>	Address	<u>P.O. BOX 30020, 09-130</u>
City, State, Zip	<u>AMARILLO, TX 79120</u>	City, State, Zip	<u>AMARILLO, TX 79120</u>
Phone No.	<u>(806) 477-3125</u>	Phone No.	<u>(806) 477-4203</u>
County	<u>CARSON</u>	License No.	<u>PE 84901</u>

Additional information: LOCATION 1, FS-1

SITE EVALUATION: A minimum of two soil borings or backhoe pits must be excavated at opposite ends of the proposed disposal area. The borings or pits must be excavated to a depth of two feet below the proposed excavation, or to a restrictive horizon, whichever is less. The boring or pit locations must be indicated. This report shall include a groundwater evaluation, a surface drainage analysis, and all applicable minimum separation requirements.

PLANNING MATERIALS: The proposed treatment and disposal system shall be prepared based on the site evaluation. The submittal requirements must include the following details.

- A scale drawing of the on-site sewage facility, showing all structures served.
- Submittals prepared by a professional engineer or professional sanitarian must be sealed, dated, and signed.
- Proposed designs must comply with all separation distances identified in Table X, including neighbors wells.
- A sectional view of the tanks, including pump tanks, and excavations must be submitted.

Soil Boring/Backhoe Pit Number <u>1</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
0	<u>CLASS III</u>	<u>N/A</u>	<u>NONE</u>	<u>NONE; APPROX. 260'</u>	<u>FLAT; N/A</u>	<u>NONE;</u>
1	<u>SANDY</u>			<u>BELOW GRADE DRAINS TO</u>	<u>0.5% SLOPE; NOT LOCATED</u>	
2	<u>CLAY LOAM</u>			<u>THE SE.</u>	<u>IN 100-YR FLOODPLAIN</u>	
3						
4						
5						
6						
7						

Soil Boring/Backhoe Pit Number <u>2</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
0	CLASS III	N/A	NONE	NONE; APPROX. 26' BELOW GRADE	FLAT; N/A 0.5% SLOPE; DRAINS TO SE.	NONE; NOT LOCATED IN 100-YR FLOODPLAIN.
1	SANDY CLAY LOAM					
2						
3						
4						
5						
6						
7						

Schematic of Lot or Tract / Site Drawing

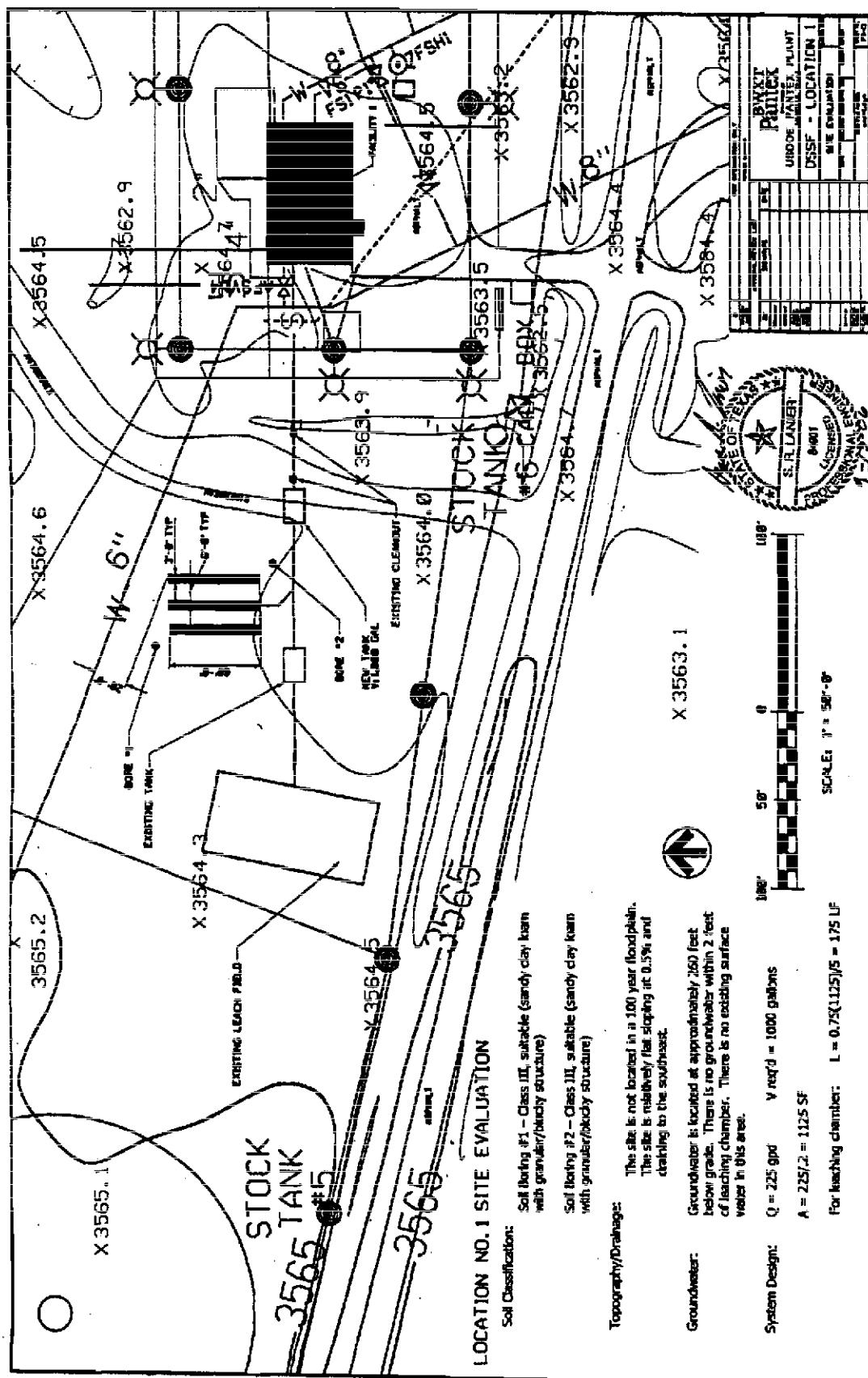
Scale: 1 inch = 50 feet/or appropriate (INCLUDE NOTE ON NEIGHBORS WELLS)

I certify that the results of this report are based on my site observations and are accurate to the best of my ability.

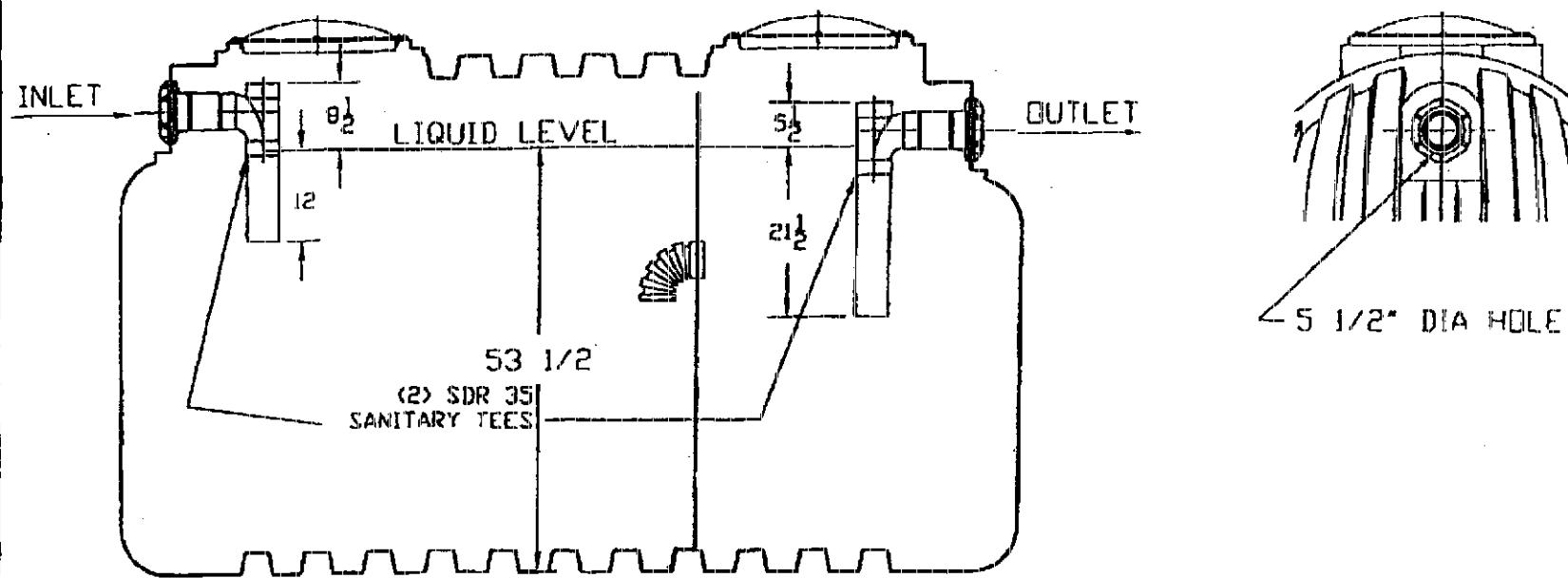
SEE ATTACHED, DRAWING OSSF - LOCATION 1

Signature: Sarah P. Lewis Date: 11-9-06

(Site Evaluator)



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

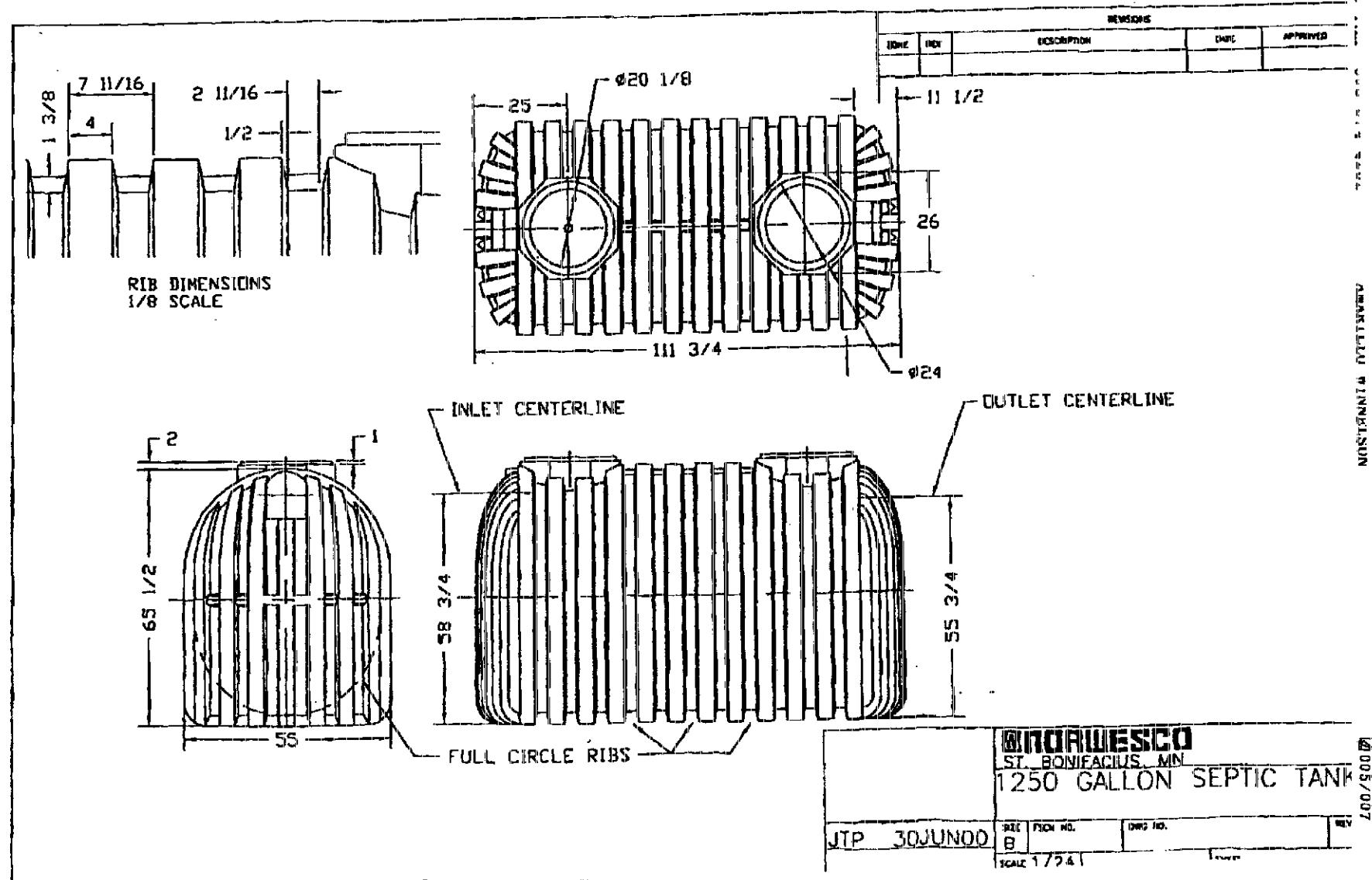


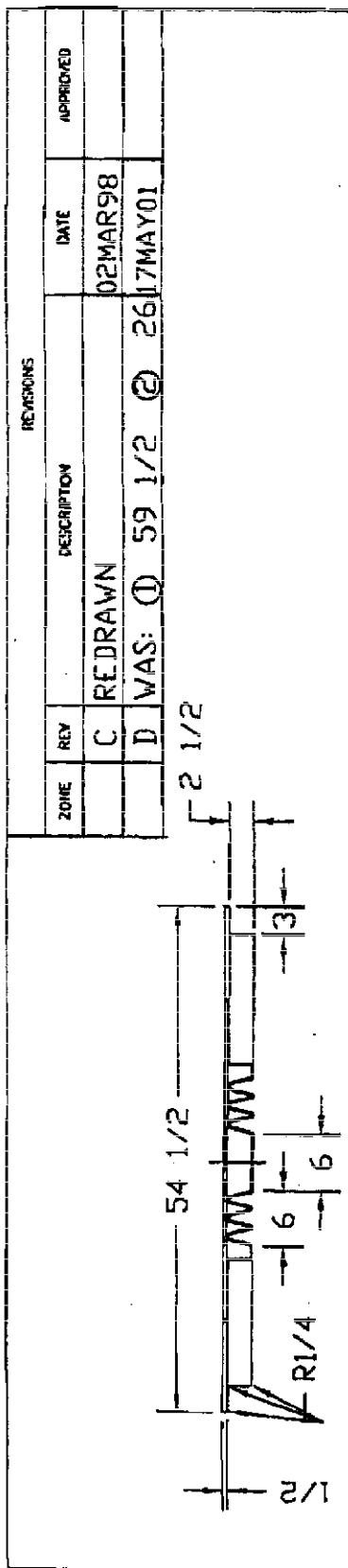
TANK ASSY INCLUDES THE FOLLOWING:

- (2) SDR 35 SANITARY TEES
- (2) PVC ADAPTER FITTINGS
- (2) EPDM ADAPTER GASKETS
- (1) DIVIDER
- (1) ELBOW W/ RETAINER
- (2) LIDS W/ FOAM GASKETS
- (8) SCREWS

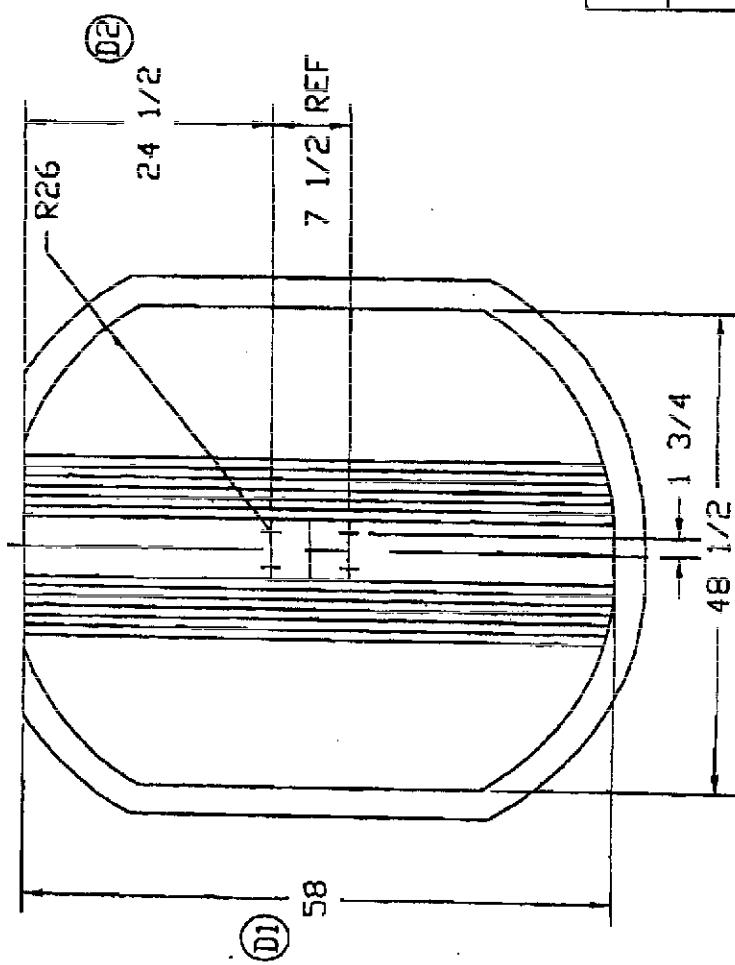
ASSEMBLE BEFORE SHIPMENT

REF: IAPMO	BONIWESCO ST. BONIFACIUS, MN		
1250 GALLON SEPTIC TANK			
IAPMO			
JTP	21MAY03	SIZE A	ESCW NO.
		DWG NO.	41744
SCALE 1/20		REV	
		SHEET	





NOTE: MINIMUM WALL
THICKNESS = 3/16"



DRIVE SCO

ST. BONIFACIUS, MN

COMPARTMENT DIVIDER

1250/1500 SEPTIC TANKS

SIZE	ITEM NO.	DRAWING NO.	REV
JTP	02MAR98	A	D
			60373

SCALE 1 / 1 C



Texas Commission on Environmental Quality
APPLICATION FOR ON-SITE SEWAGE FACILITY
NEW CONSTRUCTION

TCEQ USE ONLY

APPLICATION NO.

DATE

AMOUNT

TCEQ REGION NUMBER

CARSON

COUNTY OF INSTALLATION

1. PROPERTY OWNER'S NAME: U.S. DEPT. OF ENERGY - NNSA

2. CURRENT MAILING ADDRESS: PD BOX 30030, AMARILLO, TX 79120-0030

3. DAYTIME TELEPHONE NO.: (806) 477-3125

4. 911 SITE ADDRESS: 955 FM2373 (CARSON COUNTY-HWY 60 & FM2373), PANHANDLE, TX 79068

5. LEGAL DESCRIPTION: Sec. 36 Block M-4 Lot N/A Plat Date 4-27-42

SUBDIVISION: PANTEX SITE, J.H. GIBSON SURVEY

OTHER THAN SUBDIVISION: Acreage: N/A

Survey Name: J.H. GIBSON

Abstract Name/No.: N/A

6. PHYSICAL LOCATION/DIRECTIONS TO SITE: 17 MILES NE OF AMARILLO ON
U.S. HWY 60 AND AT FM2373

7. SOURCE OF WATER: Private Well Public Water Supply U.S. DEPT. OF ENERGY
(Name of Supplier)

8. SINGLE FAMILY RESIDENCE: No. of Bedrooms _____ Living Area (ft²) _____

9. COMMERCIAL/INSTITUTIONAL (including multi-family residences) TYPE: LAB/FACTORY (BLDG. FS-22)

NO. OF EMPLOYEES/OCCUPANTS/UNITS: 2 DAYS OCCUPIED PER WEEK: 5

10. SITE EVALUATOR: SEAN LANIER LICENSE NO. PE 84901
PHONE NO.: 806-477-4203

11. DESIGNER: SEAN LANIER LICENSE NO. (PE or RS) PE 84901
PHONE NO.: 806-477-4203

12. INSTALLER: JEFF KIRKES LICENSE NO. OS 0025207
PHONE NO.: 806-433-3123

I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to the Texas Commission on Environmental Quality to enter upon the above described property for the purpose of soil/site evaluation and investigation of an on-site sewage facility. Entry to the Pantex Plant must be coordinated in advance with the owner in accordance with Pantex Plant Visitor Access Requirements. If you have questions on how to fill out this form or about the on-site sewage facility program, please contact us at your local regional office or at 512/239-0914. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

(SIGNATURE OF OWNER)

7/21/07

(DATE)

Texas Commission on Environmental Quality

ON-SITE SEWAGE FACILITY
TECHNICAL INFORMATION FOR PERMIT

APPLICATION # _____

DO NOT BEGIN CONSTRUCTION PRIOR TO APPLICATION APPROVAL.
UNAUTHORIZED CONSTRUCTION CAN RESULT IN CIVIL AND/OR ADMINISTRATIVE PENALTIES.

OWNER'S NAME: U.S. DEPT. OF ENERGY - NNSA COUNTY: CARSON

Professional design required?: Yes No If yes, professional design attached: Yes No

I. SEWER (House drain):

TYPE AND SIZE OF PIPE: 4" PVC SLOPE OF SEWER PIPE TO TANK: 1/8" PER FOOT

II. DAILY WASTEWATER USAGE RATE: Q= 150 (gallons/day)

WATER SAVING DEVICES: Yes No

III. TREATMENT UNIT: Septic Tank Aerobic Unit

- A. • TANK DIMENSIONS: 100" x 52" x 56" • LIQUID DEPTH (BOTTOM OF TANK TO OUTLET): 48"
• SIZE REQUIRED: 750 GAL • SIZE PROPOSED: 750 GAL
• MANUFACTURER: NORWESCO • MATERIAL/MODEL #: 110810
• PRETREATMENT TANK: Yes SIZE: _____ (gal) No NA

B. OTHER: _____

(Please attach description)

IV. DISPOSAL SYSTEM: TYPE: BIODIFFUSER PANELS

- AREA REQUIRED: 375 FT² • AREA PROPOSED: 569.7 FT²

V. ADDITIONAL INFORMATION:

NOTE - THIS INFORMATION MUST BE ATTACHED FOR REVIEW TO BE COMPLETED.

A. SOIL/SITE EVALUATION

B. PLANNING MATERIALS

The attached checklist details those items that must be addressed under each of these categories.

Dean M. Jones

DESIGNER'S SIGNATURE

PE 84901

LICENSE NO.

1-26-07

DATE

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SITE EVALUATION AND PLANNING MATERIALS FOR AN ON-SITE SEWAGE FACILITY

The following information must be submitted with the design package for review by the TCEQ.
 Failure to include or address all of the following items may result in approval delays.

Application No. 033-AZ23

Applicant/Site Information		Site Evaluator Information	
Name	U.S. DEPT. OF ENERGY	Name	S. R. LANIER
Address	P.O. BOX 30030	Address	P.O. BOX 30020, OG-130
City, State, Zip	AMARILLO, TX 79120	City, State, Zip	AMARILLO, TX 79120
Phone No.	(806) 477-3125	Phone No.	(806) 477-4203
County	CARSON	License No.	PE 84901

Additional information: LOCATION Z, FS-ZZ

SITE EVALUATION: A minimum of two soil borings or backhoe pits must be excavated at opposite ends of the proposed disposal area. The borings or pits must be excavated to a depth of two feet below the proposed excavation, or to a restrictive horizon, whichever is less. The boring or pit locations must be indicated. This report shall include a groundwater evaluation, a surface drainage analysis, and all applicable minimum separation requirements.

PLANNING MATERIALS: The proposed treatment and disposal system shall be prepared based on the site evaluation. The submittal requirements must include the following details.

- A scale drawing of the on-site sewage facility, showing all structures served.
- Submittals prepared by a professional engineer or professional sanitarian must be sealed, dated, and signed.
- Proposed designs must comply with all separation distances identified in Table X, including neighbors wells.
- A sectional view of the tanks, including pump tanks, and excavations must be submitted.

Soil Boring/Backhoe Pit Number <u>1</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
0	CLASS III, SANDY CLAY LOAM	N/A	NONE	NONE; APPROX. 260' BELOW GRADE	FLAT; SLOPING AT 0.5%; DRAINING TO SE	NONE; NOT LOCATED IN 100-YR FLOODPLAIN
1						
2						
3						
4						
5						
6						
7						

Soil Boring/Backhoe Pit Number <u>2</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
0	CLASS III, SANAY CLAY LOAM	N/A	NONE	NONE; APPROX. FLAT; 260' BELOW GRADE	SLOPING AT 0.5%; DRAINING TO SE	NON; NOT LOCATED IN 100-YR FLOODPLAIN
1						
2						
3						
4						
5						
6						
7						

Schematic of Lot or Tract / Site Drawing

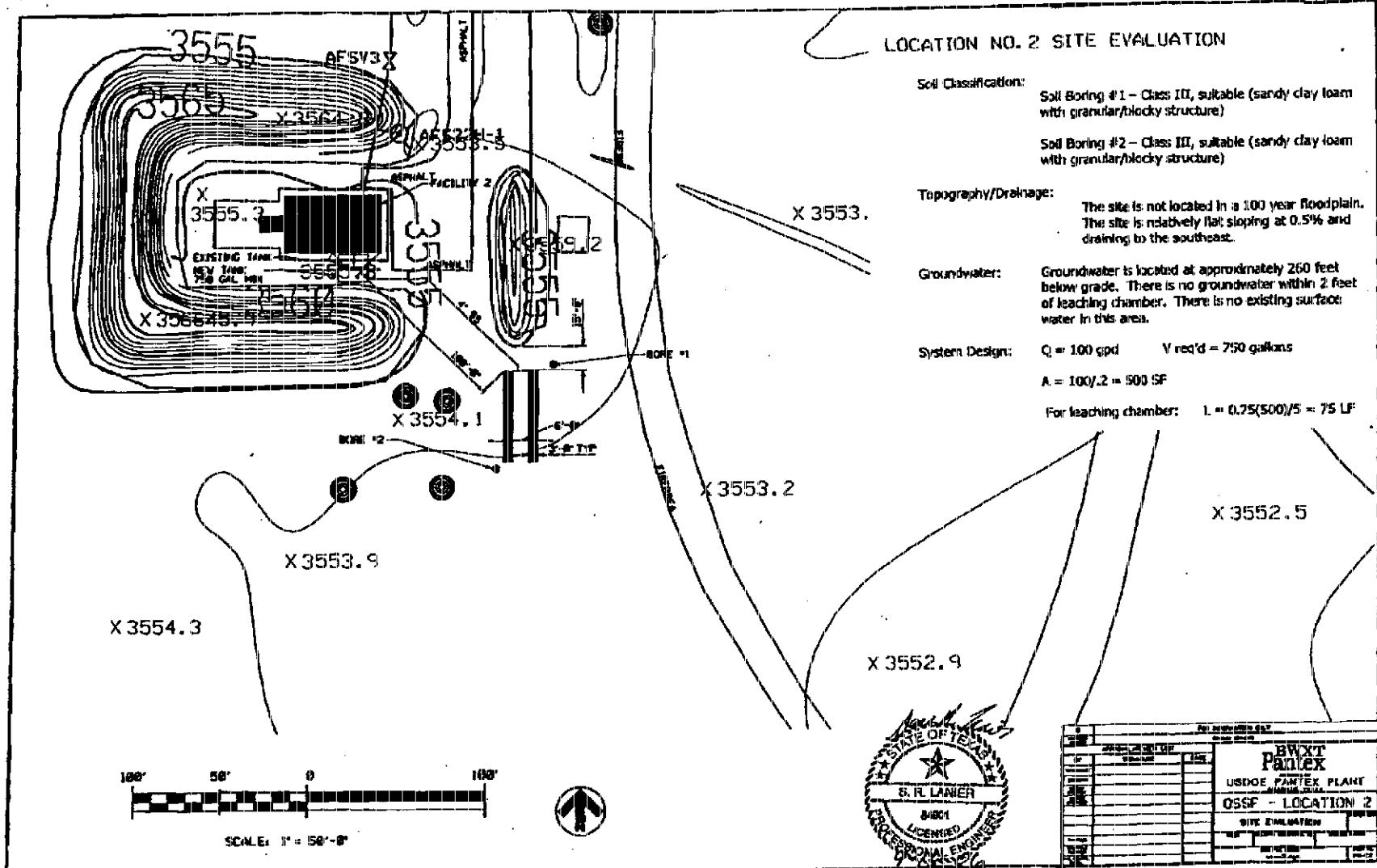
Scale: 1 inch = 50 feet/or appropriate (INCLUDE NOTE ON NEIGHBORS WELLS)

I certify that the results of this report are based on my site observations and are accurate to the best of my ability.

SEE ATTACHED, DRAWING 055F - LOCATION 2

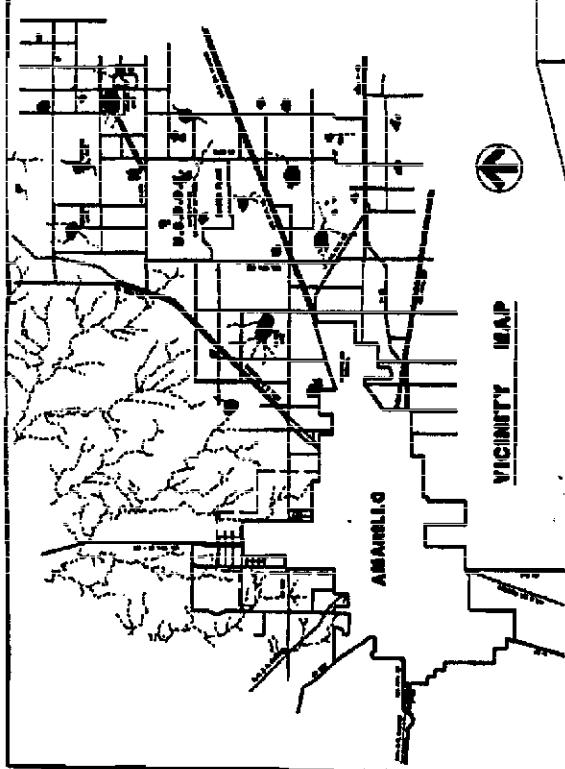
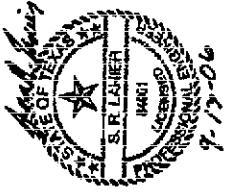
Signature: Sean P. Davis Date: 11-9-06

(Site Evaluator)

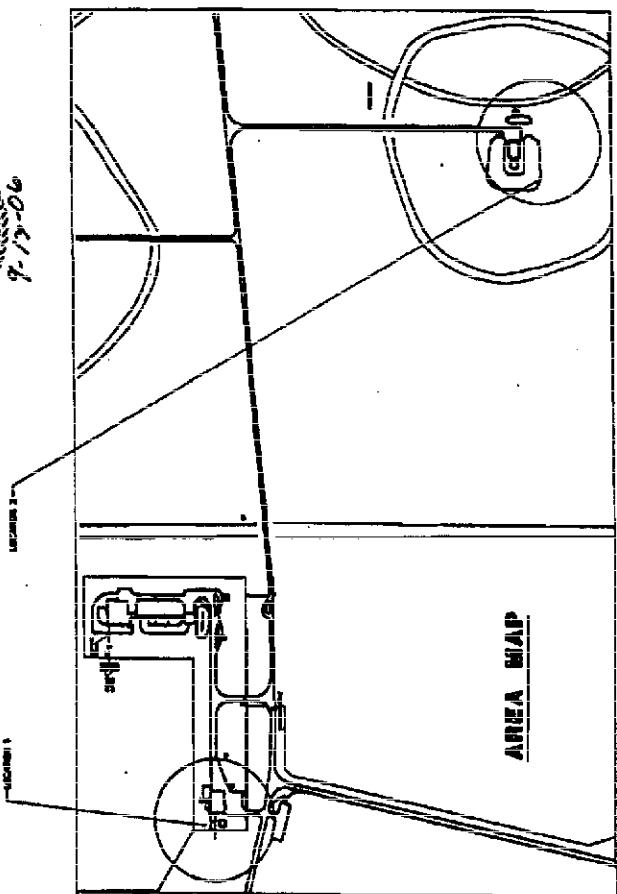


OSSF - SITE EVALUATION

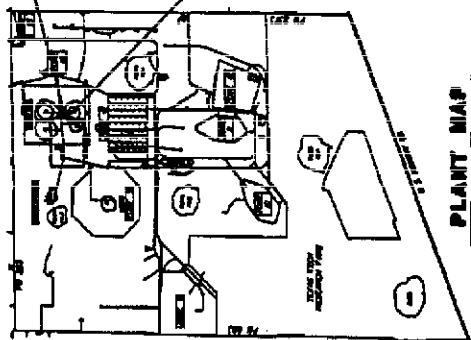
BWXT PANTEX
PANTEX PLANT AMARILLO, TEXAS
OPERATING CONTRACTOR FOR
UNITED STATES DEPARTMENT OF ENERGY
ALBUQUERQUE OPERATIONS AMARILLO, TEXAS
INFORMATION ONLY
DATE: SEPTEMBER, 2001



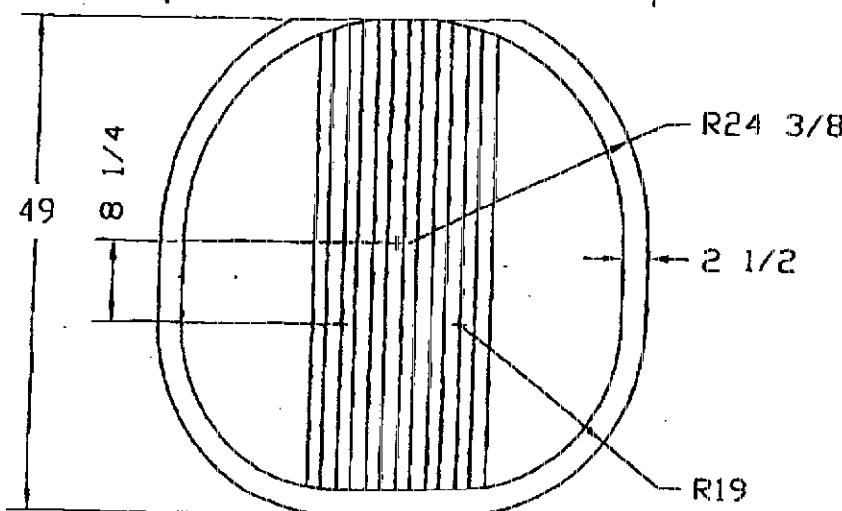
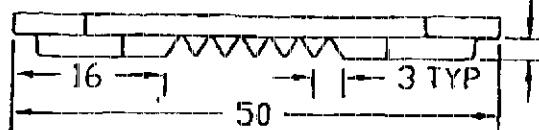
VICINITY MAP



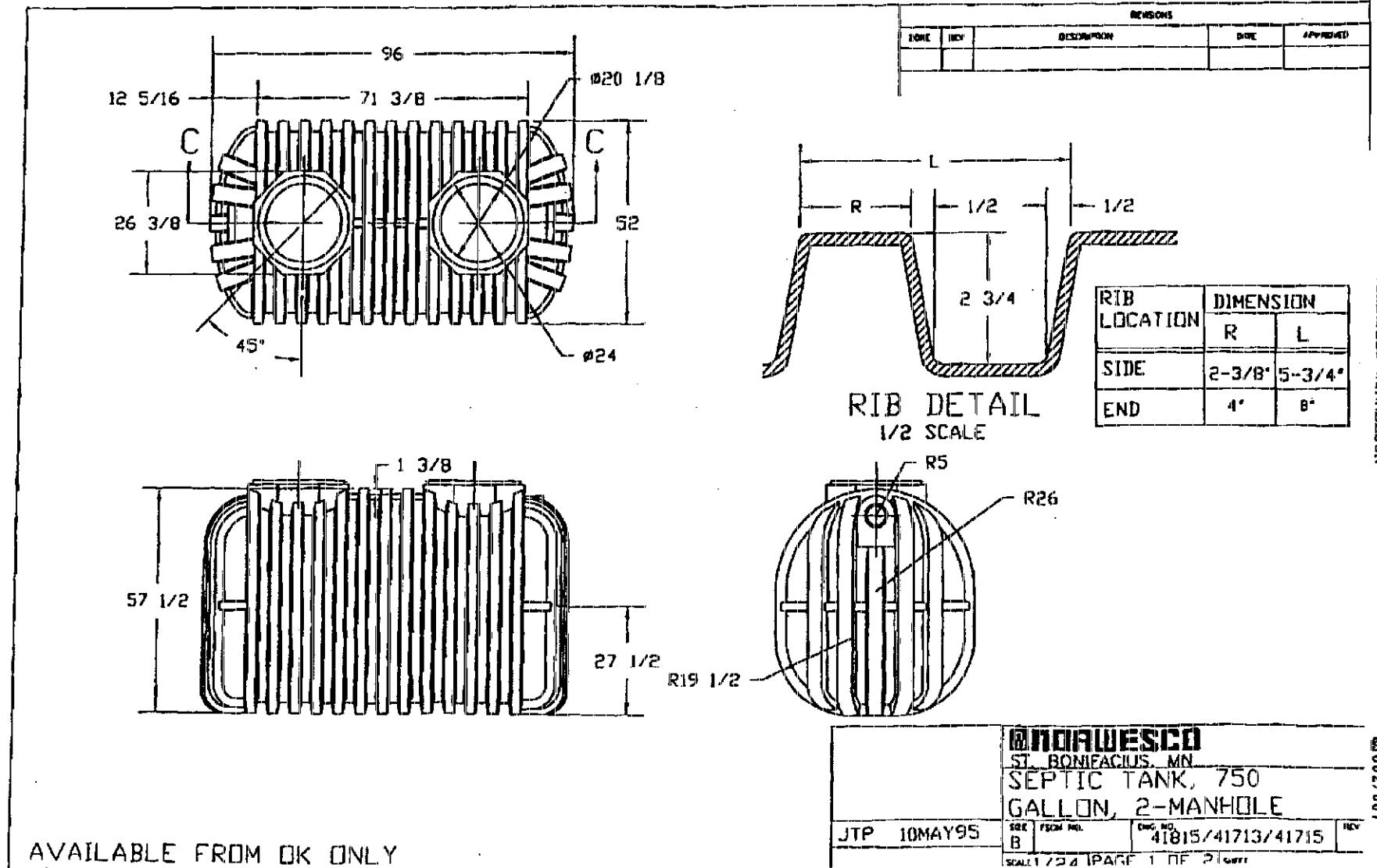
AREA MAP



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	HEIGHT WAS 45'	10 JUL 98	
	B	P/N WAS 62414	28 JUL 98	
	C	P/N WAS 62407	31 JUL 01	
	D	WAS WA	13 AUG 01	

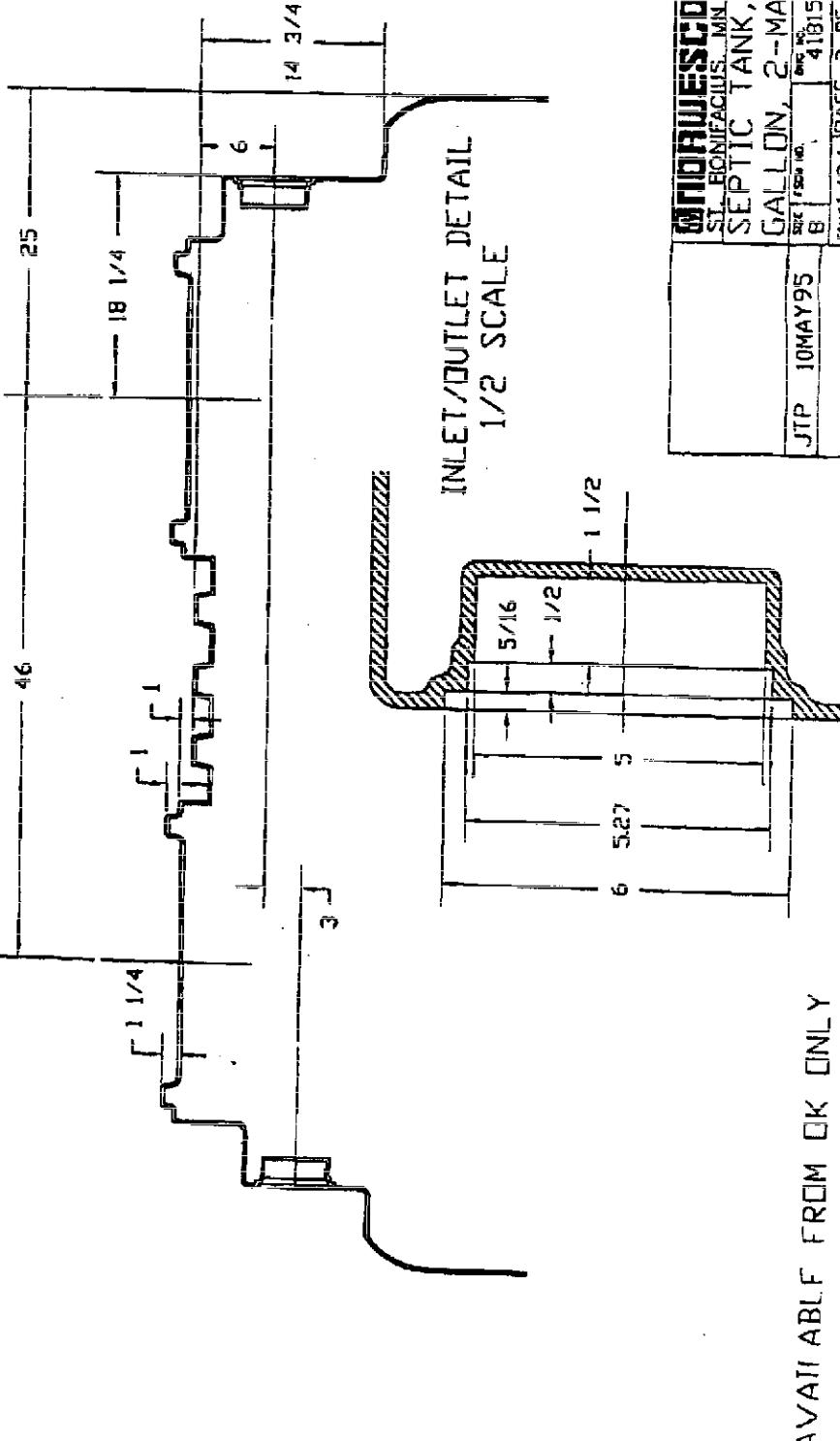


		NORWESCO		
		ST. BONIFACIUS, MN		
		COMPARTMENT DIVIDER, 750 2MH SEPTIC TANK (TX) ①		
JTP	11 MAY 98	SIZE A	FSCM NO. 41300	DWG NO. REV D
		SCALE 1 / 16	1 SHEET	



ITEMS		DESCRIPTION	DATE	APPROVED
ITEM	REV.			

SECTION C-C



WATERDRIVE:SCD	ST. BONIFACIUS, MN
SEPTIC TANK, 750	GALLON, 2-MANHOLE
JTP 10MAY95	SPEC. REV. NO. 41815/41713/41715
scout1/24 TRAFF P TRAFF 210001	REV.

AVAIL ABLE FROM OK ONLY

Kathleen Hartnett White, *Chairman*
Larry R. Soward, *Commissioner*
Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

January 4, 2007

Protecting Texas by Reducing and Preventing Pollution

U.S. Department of Energy
National Nuclear Security Administration
Pantex Site Office
Attn: Mr. Jerry S. Johnson
P.O. Box 30030
Amarillo, Texas 79120-0030

Re: Authorization to Construct an On-Site Sewage Facility
Located at Section 51, Block M-4, J.H. Gibson Survey
Carson County, Texas
OSSF Permit Application Number 033-0224

Dear Mr. Johnson:

This serves to notify all persons that an on-site sewage facility application, related technical information, and the appropriate fee have been received by the Texas Commission on Environmental Quality (TCEQ). The application has been reviewed for administrative and technical consideration against the minimum standards established by the TCEQ. Authorization is hereby granted for the construction as shown on the submitted plans and is based on the information provided in the application. Any alterations to the approved planning materials will require approval by the TCEQ prior to installation.

This OSSF was designed for an office with a daily wastewater usage of 250 gallons.

You or your installer must contact the TCEQ Regional office **FIVE (5) WORKING DAYS PRIOR** to completion to schedule the required facility inspection. The authorization to construct is valid for one year from the date of issue. If a final inspection has not been performed within one year of issue, a new application and fee will be required.

If you have any questions, or if we may be of assistance to you, please contact Lezlie Cooper of the Amarillo Region office at (806) 468-0522.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim McWilliams".

Jim McWilliams
Water/Pantex Section Manager
Amarillo Region Office

JM/LC/jea

Enclosure

REPLY TO: REGION 1 • 3918 CANYON DR. • AMARILLO, TEXAS 79109-4933 • 806-353-9251 • FAX 806-358-9545

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • Internet address: www.tceq.state.tx.us

A large, handwritten signature in black ink, appearing to read "350D".



Texas Commission on Environmental Quality
APPLICATION FOR ON-SITE SEWAGE FACILITY
NEW CONSTRUCTION

TCEQ USE ONLY
SJS-0224
APPLICATION NO.

1
TCEQ REGION NUMBER

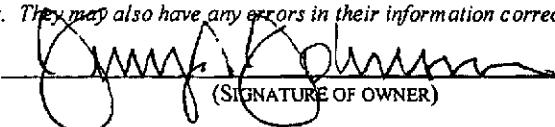
CARSON
COUNTY OF INSTALLATION

DATE

AMOUNT

1. PROPERTY OWNER'S NAME: U.S. DEPT. OF ENERGY - NN(SA)
2. CURRENT MAILING ADDRESS: P.O. BOX 30030, AMARILLO, TX 79120-0030 (Last) (First) (Middle)
3. DAYTIME TELEPHONE NO.: (806) 477-3125
4. 911 SITE ADDRESS: 955 FM 2373 (CARSON COUNTY-HWY 60 & FM 2373) PANHANDLE, TX
5. LEGAL DESCRIPTION: Sec. 51 Block M-4 Lot N/A Plat Date 4-27-42 79068
SUBDIVISION: PANTEX SITE, J. H. GIBSON SURVEY
- OTHER THAN SUBDIVISION: Acreage: N/A Survey Name: J. H. GIBSON
Abstract Name/No.: N/A
6. PHYSICAL LOCATION/DIRECTIONS TO SITE: 17 MILES NE OF AMARILLO ON
U.S. HWY 60 AND AT FM 2373
7. SOURCE OF WATER: Private Well Public Water Supply U.S. DEPT. OF ENERGY
(Name of Supplier)
8. SINGLE FAMILY RESIDENCE: No. of Bedrooms _____ Living Area (ft²) _____
9. COMMERCIAL/INSTITUTIONAL (including multi-family residences) TYPE: OFFICE BLDG. (BLDG. FS-1)
NO. OF EMPLOYEES/OCCUPANTS/UNITS: 12 DAYS OCCUPIED PER WEEK: 5
10. SITE EVALUATOR: SEAN LANIER LICENSE NO. PE 84901
PHONE NO.: 806-477-4203
11. DESIGNER: SEAN LANIER LICENSE NO. (PE or RS) PE 84901
PHONE NO.: 806-477-4203
12. INSTALLER: JEFF KIRKES LICENSE NO. 050025207
PHONE NO.: 806-433-3123

I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to the Texas Commission on Environmental Quality to enter upon the above described property for the purpose of soil/site evaluation and investigation of an on-site sewage facility. Entry to the Panter Plant must be coordinated in advance with the owner, in accordance with Pantex Plant's visitor access requirements. If you have questions on how to fill out this form or about the on-site sewage facility program, please contact us at your local regional office or at 512/239-0914. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.


(SIGNATURE OF OWNER)

2/21/07
(DATE)

Texas Commission on Environmental Quality

ON-SITE SEWAGE FACILITY
TECHNICAL INFORMATION FOR PERMIT

APPLICATION # 033-6224

DO NOT BEGIN CONSTRUCTION PRIOR TO APPLICATION APPROVAL.
UNAUTHORIZED CONSTRUCTION CAN RESULT IN CIVIL AND/OR ADMINISTRATIVE PENALTIES.

OWNER'S NAME: U.S. DEPT. OF ENERGY - NNSA COUNTY: CARSON

Professional design required? Yes No If yes, professional design attached? Yes No

I. SEWER (House drain):

TYPE AND SIZE OF PIPE: 4" PVC

SLOPE OF SEWER PIPE TO TANK: .18" PER FOOT

II. DAILY WASTEWATER USAGE RATE: Q= 250 (gallons/day)

WATER SAVING DEVICES: Yes No

III. TREATMENT UNIT: Septic Tank Aerobic Unit

- A. • TANK DIMENSIONS: 116" x 55" x 66" • LIQUID DEPTH (BOTTOM OF TANK TO OUTLET): 54"
• SIZE REQUIRED: 1,000 GAL • SIZE PROPOSED: 1,250 GAL
• MANUFACTURER: NORWESCO • MATERIAL/MODEL #: 110820
• PRETREATMENT TANK: Yes SIZE: _____ (gal) No NA

B. OTHER: _____

(Please attach description)

IV. DISPOSAL SYSTEM: TYPE: BIODIFFUSER PANELS

- AREA REQUIRED: 843.75 FT² • AREA PROPOSED: 949 FT²

V. ADDITIONAL INFORMATION:

NOTE - THIS INFORMATION MUST BE ATTACHED FOR REVIEW TO BE COMPLETED.

A. SOIL/SITE EVALUATION

B. PLANNING MATERIALS

The attached checklist details those items that must be addressed under each of these categories.

Don A. Davis

DESIGNER'S SIGNATURE

PE 84901

LICENSE NO.

1-26-07

DATE

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SITE EVALUATION AND PLANNING MATERIALS FOR AN ON-SITE SEWAGE FACILITY

The following information must be submitted with the design package for review by the TCEQ.
 Failure to include or address all of the following items may result in approval delays.

Application No. 833-0224

Applicant/Site Information		Site Evaluator Information	
Name	U.S. DEPT. OF ENERGY	Name	S.R. LANIER
Address	P.O. BOX 30030	Address	P.O. BOX 30020, 09-130
City, State, Zip	AMARILLO, TX 79120	City, State, Zip	AMARILLO, TX 79120
Phone No.	(806) 477-3125	Phone No.	(806) 477-4203
County	CARSON *	License No.	PE B4901

Additional information: LOCATION 1, FS-1

SITE EVALUATION: A minimum of two soil borings or backhoe pits must be excavated at opposite ends of the proposed disposal area. The borings or pits must be excavated to a depth of two feet below the proposed excavation, or to a restrictive horizon, whichever is less. The boring or pit locations must be indicated. This report shall include a groundwater evaluation, a surface drainage analysis, and all applicable minimum separation requirements.

PLANNING MATERIALS: The proposed treatment and disposal system shall be prepared based on the site evaluation. The submittal requirements must include the following details.

- A scale drawing of the on-site sewage facility, showing all structures served.
- Submittals prepared by a professional engineer or professional sanitarian must be sealed, dated, and signed.
- Proposed designs must comply with all separation distances identified in Table X, including neighbors wells.
- A sectional view of the tanks, including pump tanks, and excavations must be submitted.

Soil Boring/Backhoe Pit Number <u>1</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
0	CLASS III SANDY CLAY LOAM	N/A	NONE	NONE; APPROX. 260'	FLAT; N/A	NONE;
1				BELOW GRADE DRAINS TO	0.5% SLOP;	NOT LOCATED
2				THE SE.	IN 100-YR	FLOODPLAIN
3						
4						
5						
6						
7						

Soil Boring/Backhoe Pit Number <u>2</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
10	CLASS III SANDY CLAY LOAM	N/A	NONE	NONE; APPROX. 260' BELOW GRADE	FLAT; N/A 0.5% SLOPE; DRAINS TO SE.	NONE; NOT LOCATED IN 100-YR FLOODPLAIN.
1						
2						
3						
4						
5						
6						
7						

Schematic of Lot or Tract / Site Drawing

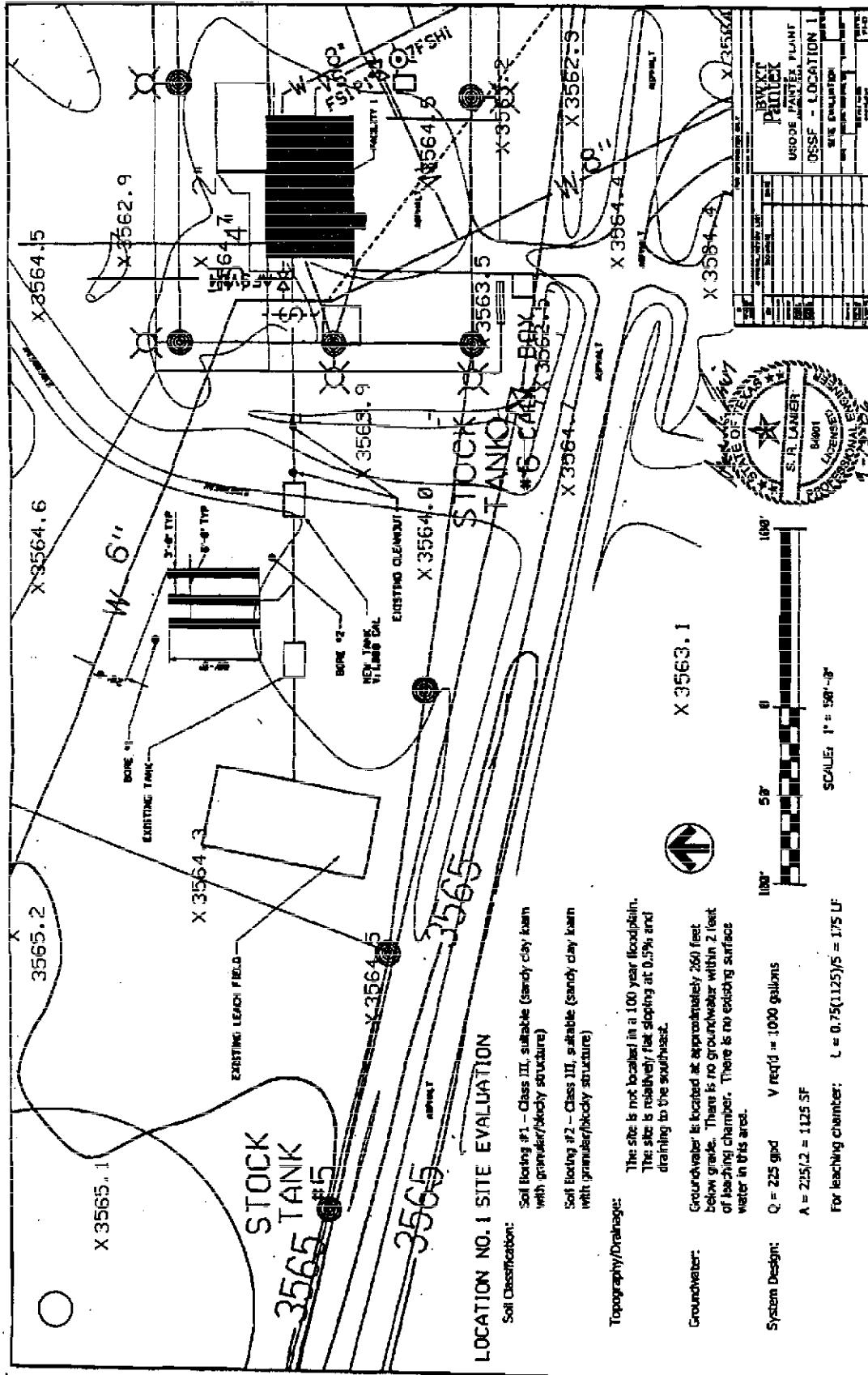
Scale: 1 inch = 50 feet or appropriate (INCLUDE NOTE ON NEIGHBORS WELLS)

I certify that the results of this report are based on my site observations and are accurate to the best of my ability.

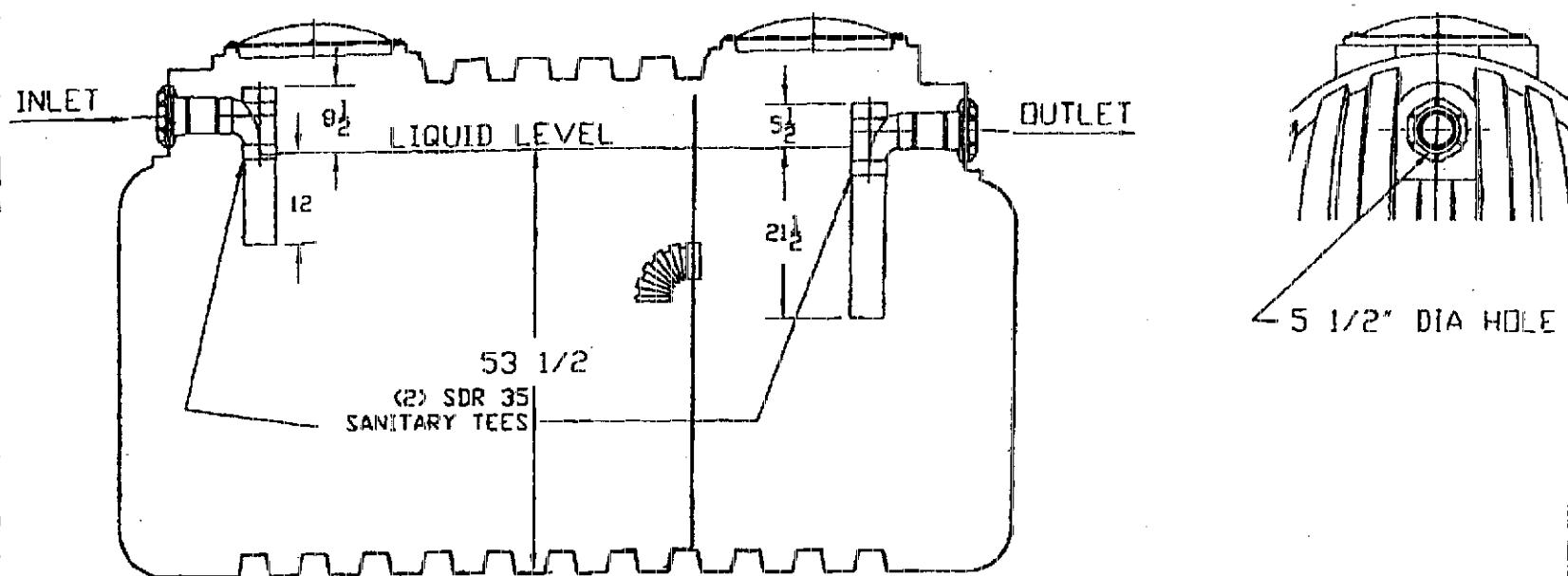
SEE ATTACHED, DRAWING OSSF- LOCATION 1

Signature: Mark A. Janis Date: 11-9-06

(Site Evaluator)



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

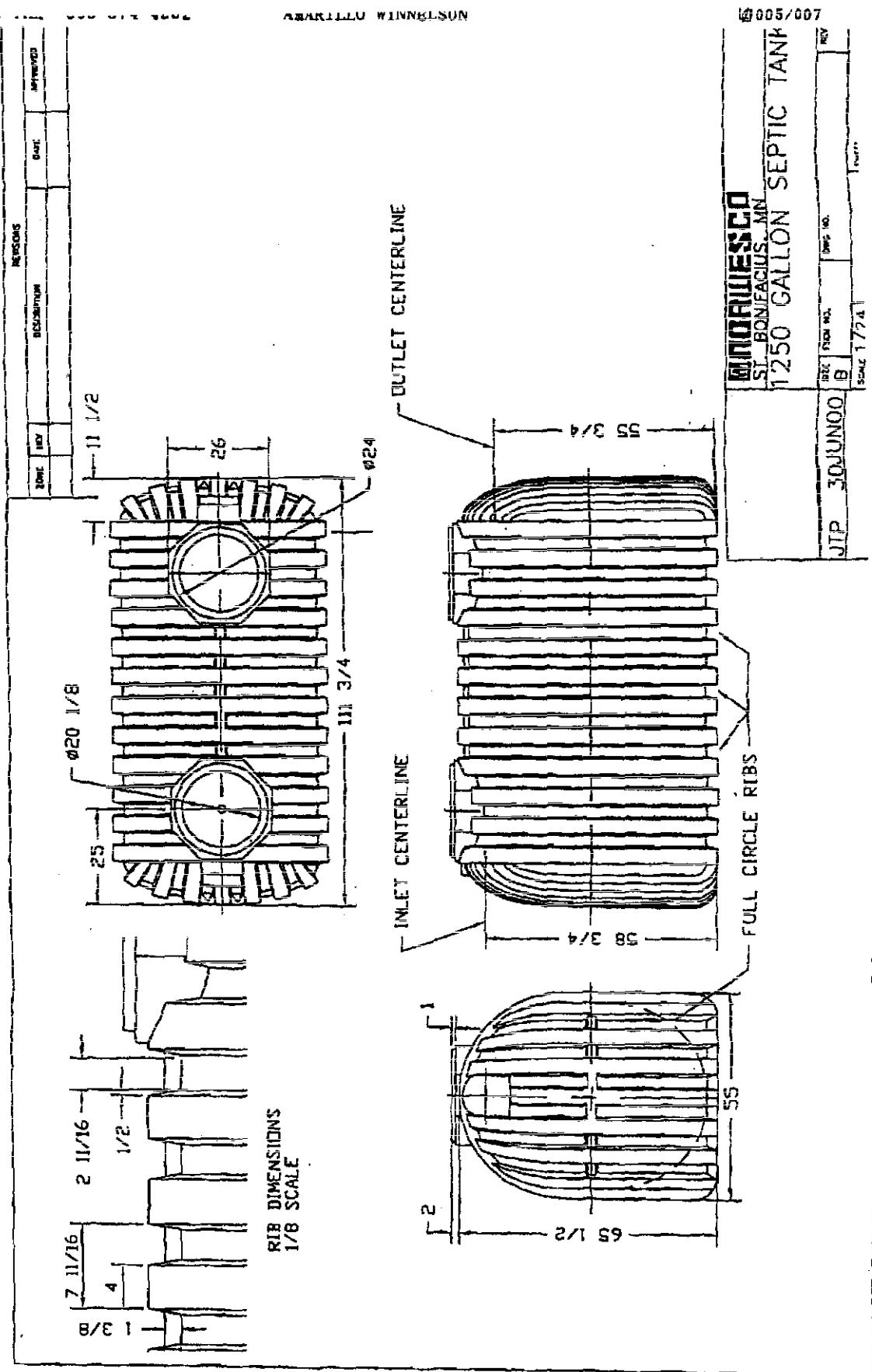


TANK ASSY INCLUDES THE FOLLOWING:

- (2) SDR 35 SANITARY TEES
- (2) PVC ADAPTER FITTINGS
- (2) EPDM ADAPTER GASKETS
- (1) DIVIDER
- (1) ELBOW W/ RETAINER
- (2) LIDS W/ FOAM GASKETS
- (8) SCREWS

ASSEMBLE BEFORE SHIPMENT

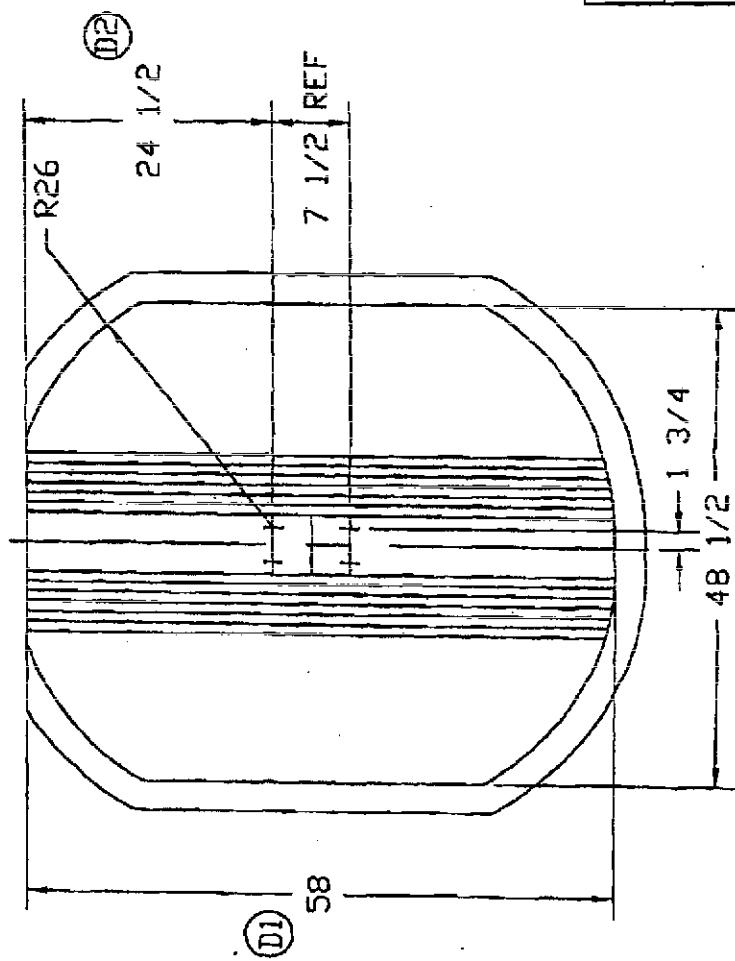
REF: IAPMO	NORWESCO ST. BONIFACIUS, MN		
1250 GALLON SEPTIC TANK			
IAPMO			
JTP	21MAY03	SIZE A	FCM NO. 41744
		DRG NO.	REV
SCALE 1/20		SHEET	



REVISIONS			
ZONE	REV	DESCRIPTION	DATE
C	REDRAWN		02MARCH98
D	WAS: ① 59 1/2 ② 26	17MAY01	

54 1/2 2 1/2
R1/4 3
21

NOTE: MINIMUM WALL THICKNESS = 3/16"



INDUSTRIES CO	ST. BONIFACIUS, MN	COMPARTMENT DIVIDER	1250/1500 SEPTIC TANKS	REV
JTP	02MARCH98	A	DWG NO. 60373	D

SIZE FSC# NO. SCALE 1 / 1 c

Kathleen Hartnett White, *Chairman*
Larry R. Soward, *Commissioner*
Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

January 5, 2007

U.S. Department of Energy
National Nuclear Security Administration
Pantex Site Office
Attn: Mr. Jerry S. Johnson
P.O. Box 30030
Amarillo, Texas 79120-0030

Re: Authorization to Construct an On-Site Sewage Facility
Located at Section 36, Block M-4, J.H. Gibson Survey
Carson County, Texas
OSSF Permit Application Number 033-0223

Dear Mr. Johnson:

This serves to notify all persons that an on-site sewage facility application, related technical information, and the appropriate fee have been received by the Texas Commission on Environmental Quality (TCEQ). The application has been reviewed for administrative and technical consideration against the minimum standards established by the TCEQ. Authorization is hereby granted for the construction as shown on the submitted plans and is based on the information provided in the application. Any alterations to the approved planning materials will require approval by the TCEQ prior to installation.

This OSSF was designed for a rest room in a lab/factory with a daily wastewater usage of 150 gallons.

You or your installer must contact the TCEQ Regional office **FIVE (5) WORKING DAYS PRIOR** to completion to schedule the required facility inspection. The authorization to construct is valid for one year from the date of issue. If a final inspection has not been performed within one year of issue, a new application and fee will be required.

If you have any questions, or if we may be of assistance to you, please contact Lezlie Cooper of the Amarillo Region office at (806) 468-0522.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim McWilliams".

Jim McWilliams
Water/Pantex Section Manager
Amarillo Region Office

JM/LC/jea

Enclosure

REPLY TO: REGION 1 • 3918 CANYON DR. • AMARILLO, TEXAS 79109-4933 • 806-363-9251 • FAX 806-358-9646

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • Internet address: www.tceq.state.tx.us

printed on recycled paper using soy-based ink

3570/3428





Texas Commission on Environmental Quality
APPLICATION FOR ON-SITE SEWAGE FACILITY
NEW CONSTRUCTION

TCEQ USE ONLY
033-0223
APPLICATION NO.
DATE
AMOUNT

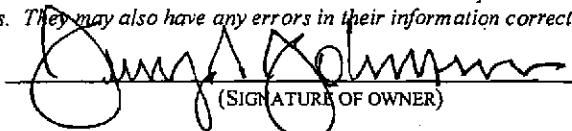
TCEQ REGION NUMBER

CARSON

COUNTY OF INSTALLATION

1. PROPERTY OWNER'S NAME: U.S. DEPT. OF ENERGY - NNSA
2. CURRENT MAILING ADDRESS: PO BOX 30030, AMARILLO, TX 79120-0030
3. DAYTIME TELEPHONE NO.: (806) 477-3125
4. 911 SITE ADDRESS: 955 FM 2373 (CARSON COUNTY-HWY 60 & FM 2373), PANHANDLE, TX
5. LEGAL DESCRIPTION: Sec. 36 Block M-4 Lot N/A Plat Date 4-27-42 ⁷⁹⁰⁶⁸
- SUBDIVISION: PANTEX SITE, J.H. GIBSON SURVEY
- OTHER THAN SUBDIVISION: Acreage: N/A Survey Name: J.H. GIBSON
Abstract Name/No.: N/A
6. PHYSICAL LOCATION/DIRECTIONS TO SITE: 17 MILES NE OF AMARILLO ON
U.S. HWY 60 AND AT FM 2373
7. SOURCE OF WATER: Private Well Public Water Supply U.S. DEPT. OF ENERGY
(Name of Supplier)
8. SINGLE FAMILY RESIDENCE: No. of Bedrooms _____ Living Area (ft²) _____
9. COMMERCIAL/INSTITUTIONAL (including multi-family residences) TYPE: LAB/FACTORY (BLDG. FS-22)
- NO. OF EMPLOYEES/OCCUPANTS/UNITS: 2 DAYS OCCUPIED PER WEEK: 5
10. SITE EVALUATOR: SEAN LANIER LICENSE NO. PE 84901
PHONE NO.: 806-477-4203
11. DESIGNER: SEAN LANIER LICENSE NO. (PE or RS) PE 84901
PHONE NO.: 806-477-4203
12. INSTALLER: JEFF KIRKES LICENSE NO. OS 0025207
PHONE NO.: 806-433-3123

I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to the Texas Commission on Environmental Quality to enter upon the above described property for the purpose of soil/site evaluation and investigation of an on-site sewage facility. Entry to the PanTex Plant must be coordinated in advance with the owner in accordance with PanTex Plant Visitor Access requirements. If you have questions on how to fill out this form or about the on-site sewage facility program, please contact us at your local regional office or at 512/239-0914. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.


(SIGNATURE OF OWNER)

2/21/07
(DATE)

Texas Commission on Environmental Quality

ON-SITE SEWAGE FACILITY
TECHNICAL INFORMATION FOR PERMIT

APPLICATION # Q33-0223

DO NOT BEGIN CONSTRUCTION PRIOR TO APPLICATION APPROVAL.
UNAUTHORIZED CONSTRUCTION CAN RESULT IN CIVIL AND/OR ADMINISTRATIVE PENALTIES.

OWNER'S NAME: U.S. DEPT. OF ENERGY - NNSA COUNTY: CARSON

Professional design required?: Yes No If yes, professional design attached: Yes No

I. SEWER (House drain):

TYPE AND SIZE OF PIPE: 4" PVC SLOPE OF SEWER PIPE TO TANK: 1/8" PER FOOT

II. DAILY WASTEWATER USAGE RATE: Q= 150 (gallons/day)

WATER SAVING DEVICES: Yes No

III. TREATMENT UNIT: Septic Tank Aerobic Unit

- A. • TANK DIMENSIONS: 100" x 52" x 56" • LIQUID DEPTH (BOTTOM OF TANK TO OUTLET): 48"
• SIZE REQUIRED: 750 GAL • SIZE PROPOSED: 750 GAL
• MANUFACTURER: NORWESCO • MATERIAL/MODEL #: 110810
• PRETREATMENT TANK: Yes SIZE: _____ (gal) No NA

B. OTHER: _____

(Please attach description)

IV. DISPOSAL SYSTEM: TYPE: BIODIFFUSER PANELS

- AREA REQUIRED: 375 FT² • AREA PROPOSED: 569.7 FT²

V. ADDITIONAL INFORMATION:

NOTE - THIS INFORMATION MUST BE ATTACHED FOR REVIEW TO BE COMPLETED.

A. SOIL/SITE EVALUATION

B. PLANNING MATERIALS

The attached checklist details those items that must be addressed under each of these categories.

Dean M. Jones

DESIGNER'S SIGNATURE

PE 84901

LICENSE NO.

1-26-07

DATE

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SITE EVALUATION AND PLANNING MATERIALS FOR AN ON-SITE SEWAGE FACILITY

The following information must be submitted with the design package for review by the TCEQ.
 Failure to include or address all of the following items may result in approval delays.

Application No. 033-A223

Applicant/Site Information		Site Evaluator Information	
Name	U.S. DEPT. OF ENERGY	Name	S. R. LANIER
Address	P.O. BOX 30030	Address	P.O. BOX 30020, O9-130
City, State, Zip	AMARILLO, TX 79120	City, State, Zip	AMARILLO, TX 79120
Phone No.	(806) 477-3125	Phone No.	(806) 477-4203
County	CARSON	License No.	PE 84901

Additional information: LOCATION 2, FS-22

SITE EVALUATION: A minimum of two soil borings or backhoe pits must be excavated at opposite ends of the proposed disposal area. The borings or pits must be excavated to a depth of two feet below the proposed excavation, or to a restrictive horizon, whichever is less. The boring or pit locations must be indicated. This report shall include a groundwater evaluation, a surface drainage analysis, and all applicable minimum separation requirements.

PLANNING MATERIALS: The proposed treatment and disposal system shall be prepared based on the site evaluation. The submittal requirements must include the following details.

- A scale drawing of the on-site sewage facility, showing all structures served.
- Submittals prepared by a professional engineer or professional sanitarian must be sealed, dated, and signed.
- Proposed designs must comply with all separation distances identified in Table X, Including neighbors wells.
- A sectional view of the tanks, including pump tanks, and excavations must be submitted.

Soil Boring/Backhoe Pit Number <u>1</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
0	CLASS III; SANDY CLAY LOAM	N/A	None	None; APPROX. 260' BELOW GRADE	FLAT; SLOPING AT 0.5%; DRAINING TO SE	None; NOT LOCATED IN 100-YR FLOODPLAIN
1						
2						
3						
4						
5						
6						
7						

Soil Boring/Backhoe Pit Number <u>2</u>						
Depth (Feet)	Soil Class	Gravel Analysis	Restrictive Horizon	Groundwater	Topography	Flood Hazard
0	CLASS III, SANDY CLAY LOAM	N/A	NONE	NONE; APPROX. 26' BELOW GRADE	FLAT; SLOPING AT 0.5%; DRAINING TO SE	NON; NOT LOCATED IN 100-YR FLOODPLAIN
1						
2						
3						
4						
5						
6						
7		↓				

Schematic of Lot or Tract / Site Drawing

Scale: 1 inch = 50 feet/or appropriate (INCLUDE NOTE ON NEIGHBORS WELLS)

I certify that the results of this report are based on my site observations and are accurate to the best of my ability.

SEE ATTACHED, DRAWING OSSF - LOCATION 2

Signature: Stan A. Lewis Date: 11-9-06

(Site Evaluator)

LOCATION NO. 2 SITE EVALUATION

Soil Classification:

Soil Boring #1 -- Class III, suitable (sandy clay loam with granular/blocky structure)
 Soil Boring #2 -- Class III, suitable (sandy clay loam with granular/blocky structure)

Topography/Drainage:

The site is not located in a 100 year floodplain.
 The site is relatively flat sloping at 0.5% and
 draining to the southeast.

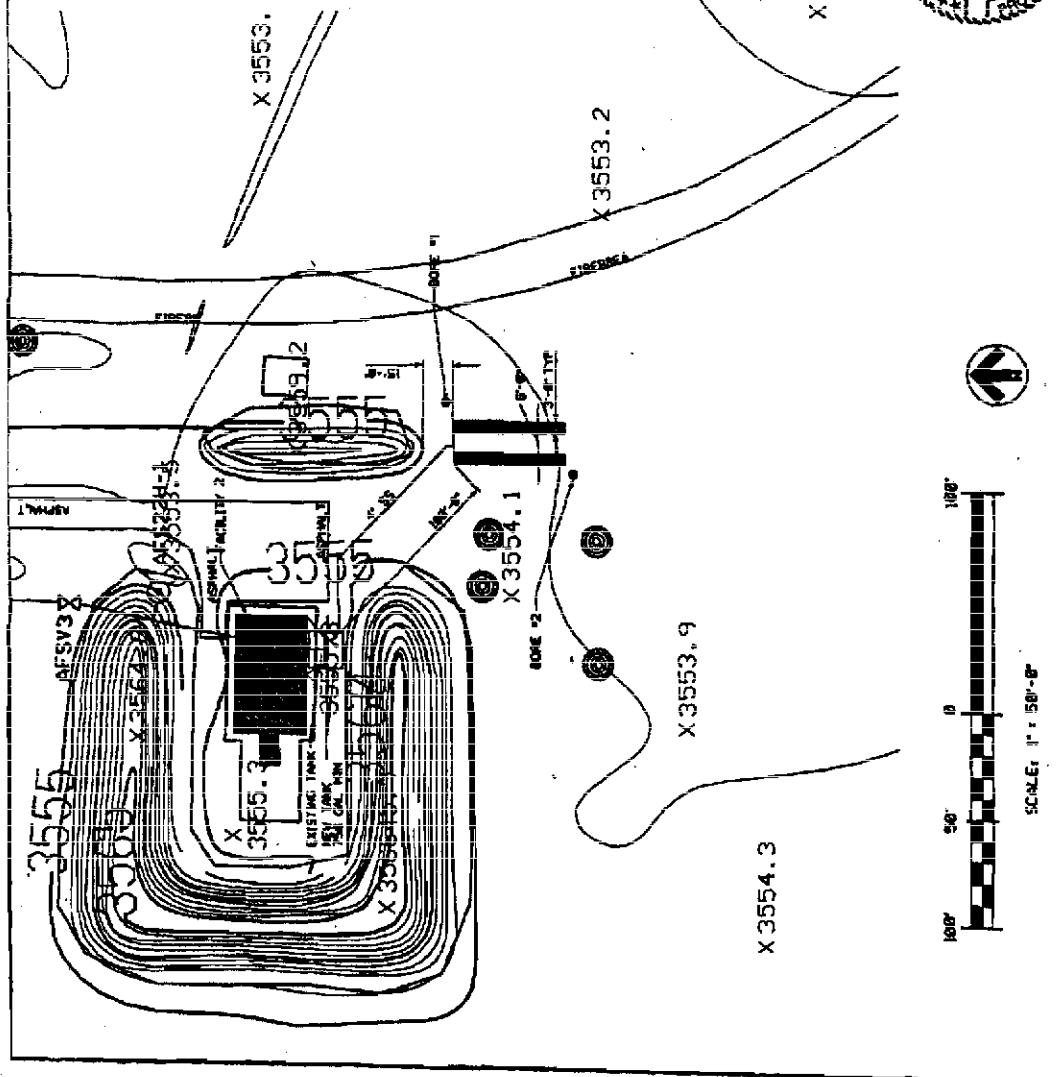
Groundwater is located at approximately 260 feet
 below grade. There is no groundwater within 2 feet
 of leaching chamber. There is no existing surface
 water in this area.

System Design:

$Q = 100 \text{ gpd}$ $V \text{ recd} = 750 \text{ gallons}$

$A = 100/2 = 500 \text{ SF}$

For leaching chamber: $L = 0.75(500)/5 = 75 \text{ LF}$

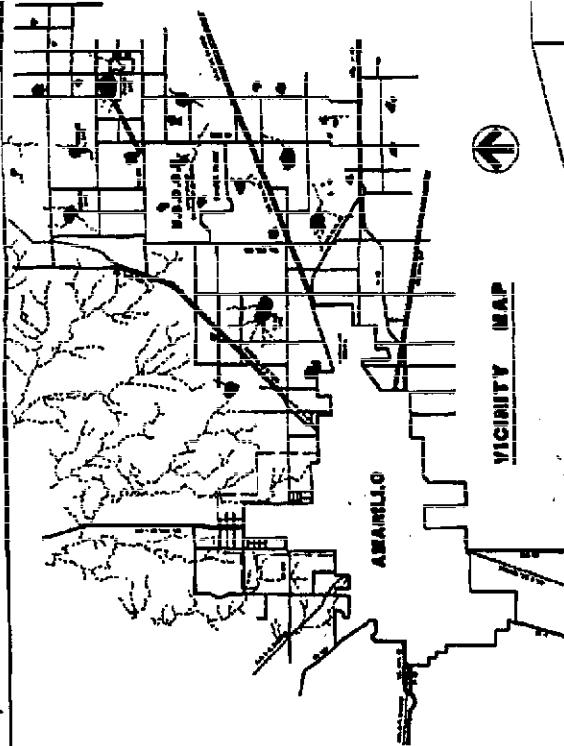


Soil Test Results	
TEST 1	TEST 2
TEST 3	TEST 4
TEST 5	TEST 6
TEST 7	TEST 8
TEST 9	TEST 10
TEST 11	TEST 12
TEST 13	TEST 14
TEST 15	TEST 16
TEST 17	TEST 18
TEST 19	TEST 20
TEST 21	TEST 22
TEST 23	TEST 24
TEST 25	TEST 26
TEST 27	TEST 28
TEST 29	TEST 30
TEST 31	TEST 32
TEST 33	TEST 34
TEST 35	TEST 36
TEST 37	TEST 38
TEST 39	TEST 40
TEST 41	TEST 42
TEST 43	TEST 44
TEST 45	TEST 46
TEST 47	TEST 48
TEST 49	TEST 50
TEST 51	TEST 52
TEST 53	TEST 54
TEST 55	TEST 56
TEST 57	TEST 58
TEST 59	TEST 60
TEST 61	TEST 62
TEST 63	TEST 64
TEST 65	TEST 66
TEST 67	TEST 68
TEST 69	TEST 70
TEST 71	TEST 72
TEST 73	TEST 74
TEST 75	TEST 76
TEST 77	TEST 78
TEST 79	TEST 80
TEST 81	TEST 82
TEST 83	TEST 84
TEST 85	TEST 86
TEST 87	TEST 88
TEST 89	TEST 90
TEST 91	TEST 92
TEST 93	TEST 94
TEST 95	TEST 96
TEST 97	TEST 98
TEST 99	TEST 100

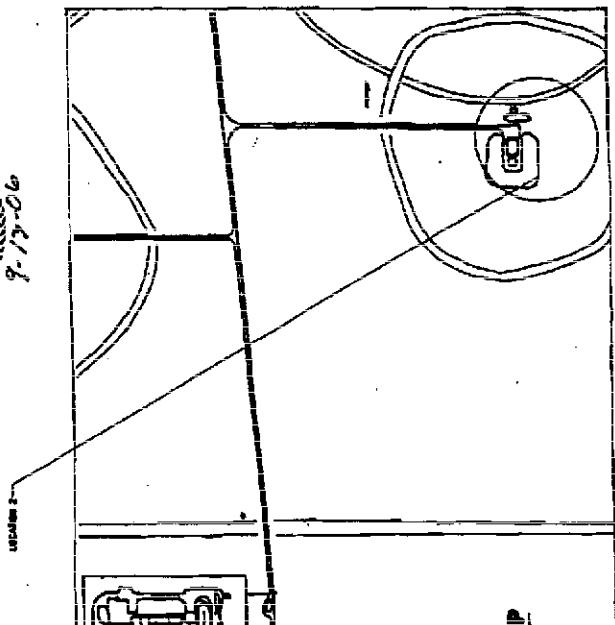


OSSF - SITE EVALUATION

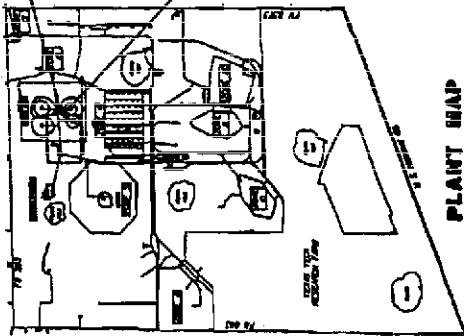
BWXT PANTEX
PANTEX PLANT AMARILLO, TEXAS
OPERATING CONTRACTOR FOR
UNITED STATES DEPARTMENT OF ENERGY
ALBUQUERQUE OPERATIONS AMARILLO, TEXAS
INFORMATION ONLY
DATE SEPTEMBER, 2000



VICINITY MAP



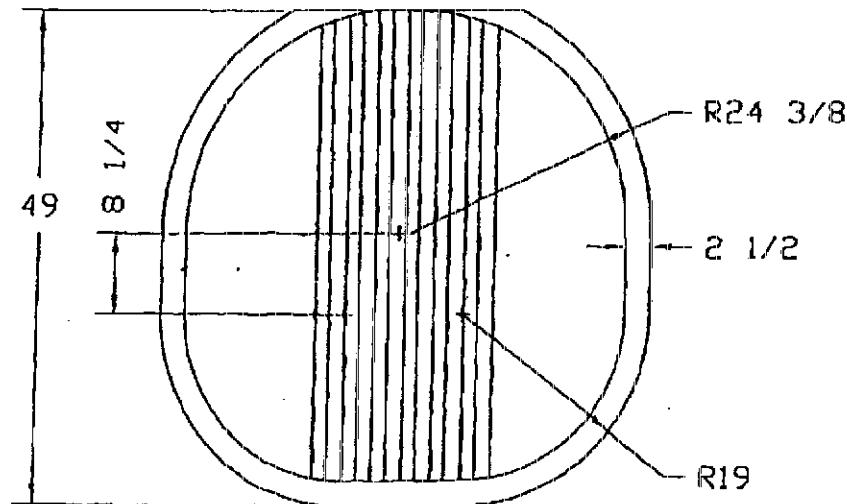
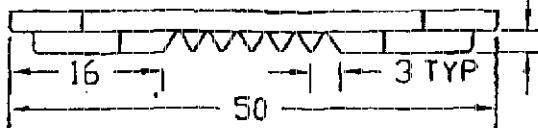
AREA MAP



PLANT MAP

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	HEIGHT WAS 45'	10JUL98	
	B	P/N WAS 62414	28JUL98	
	C	P/N WAS 62407	31JUL01	
	D	WAS WA	13AUG01	

2



		NORAWESCO		
		ST. BONIFACIUS, MN		
		COMPARTMENT DIVIDER, 750 2MH SEPTIC TANK (TX) ①		
JTP	11MAY98	SIZE A	FSCM NO.	DWG NO. 41300
		SCALE 1/16		REV D

REVISIONS

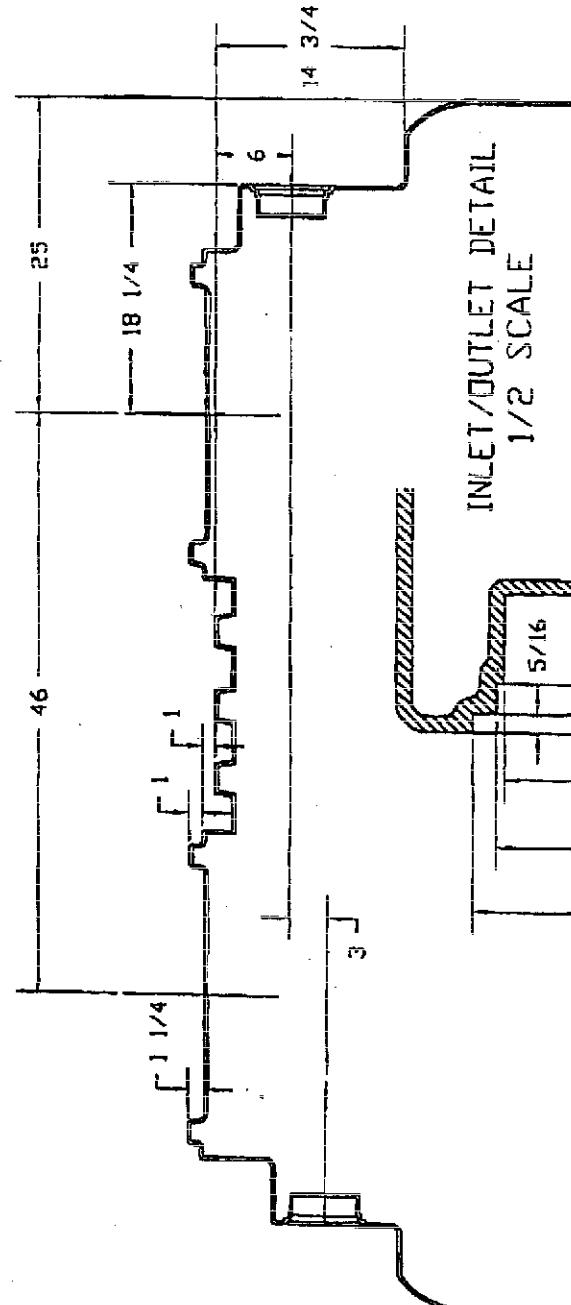
REV. NO.

DESCRIPTION

DATE

APPROVED

SECTION C-C



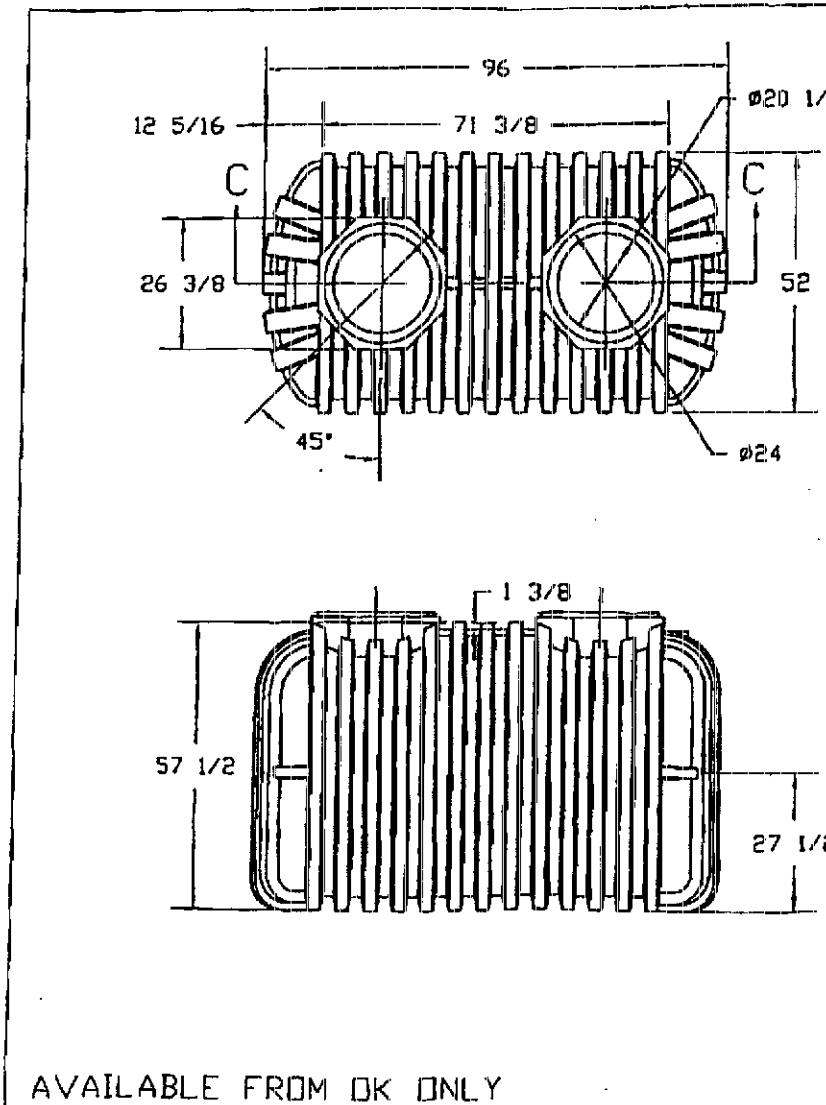
ENIDWUEESCO

SI. BONIFACIO, MN
SEPTIC TANK, 750
GALLON, 2-MANHOLE

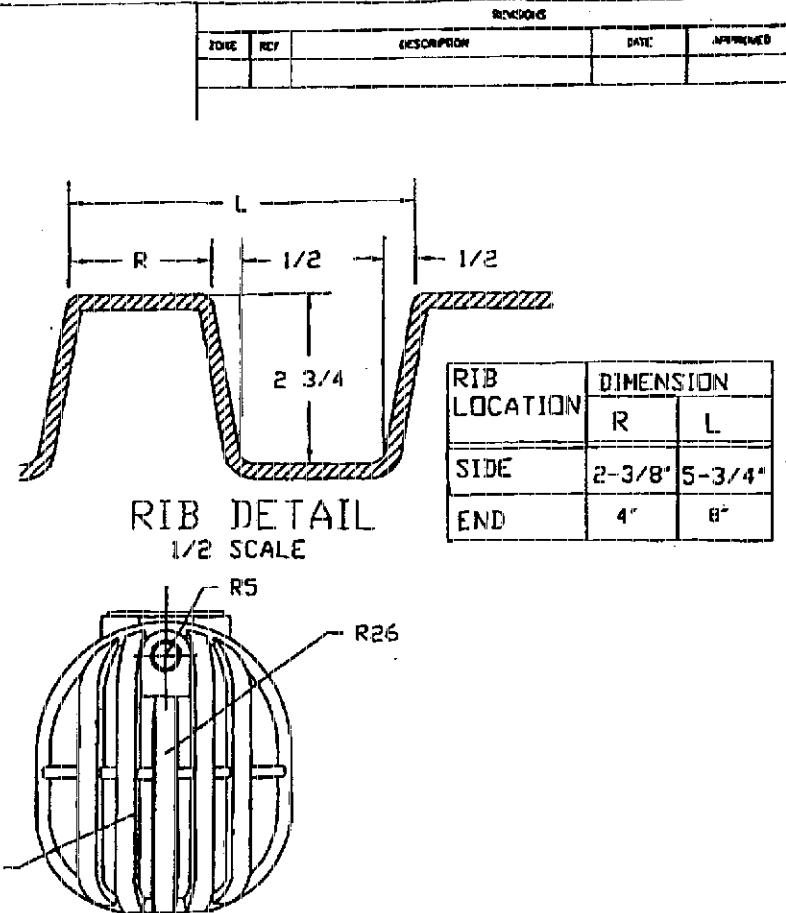
JTP 10WAYS5 Dwg. No. 41713/4175 Rev. G

AVAILABLE FROM OK ONLY

Scale 1/24 Part 2 of 2 Sheets



AVAILABLE FROM OK ONLY



		MORIWESCO	
		ST. BONIFACIUS, MN	
		SEPTIC TANK, 750	
		GALLON, 2-MANHOLE	
JTP	10MAY95	SC. NO.	41015/41713/41715
B		FROM NO.	
SCALE 1/24 PAGE 1 OF 21			