

Douglas R. Dowlearn  
D.A.D. Services, Inc.  
703 Oak Drive  
Blanco, TX 78606  
(210)240-2101  
[txseptic@gmail.com](mailto:txseptic@gmail.com)

February 15, 2020

Shelly K. Helmke  
Environmental Health Inspector  
Comal County Engineer's Office  
195 David Jonas Drive  
New Braunfels, TX 78132

RE: 8695 FM 2673 – Permit # 80526 – Case # 103622

Dear Ms. Helmke,

I observed the above referenced on-site sewage facility (OSSF) on February 7, 2020. Based on my observations, the type of effluent and the flow rates are within the parameters of the permit. One lease space is preparing take-out chicken (no plates). The cooking grease is stored and collected by a contractor who removes it from the site. There is minimal washing of pots and pans and the under the sink grease interceptor seems to be adequate.

If you have any additional questions or concerns, I can be contacted by phone at 210.240.2101 or by email at [txseptic@gmail.com](mailto:txseptic@gmail.com).

Respectfully,



Douglas R. Dowlearn, R.S.



2/15/20

DATE  
02/07/00


PERMIT#  
80526



## Comal County

OFFICE OF COMAL COUNTY ENGINEER

### LICENSE TO OPERATE A PRIVATE SEWAGE FACILITY

OWNER(L) Sawyer		FIRST Mary Ann		SUBDIVISION NAME Scenic Heights	
STREET FM 2673	UNIT 3	BLOCK	LOT 155R	ACRES/TRACT	
<p>This license is authorization for the owner to operate and maintain a private facility at the location described in accordance to the rules and regulations for on-site sewerage facilities of Comal County, Texas, and the Texas Natural Resource Conservation Commission.</p> <p>The license grants permission to operate the facility. It does not guarantee successful operation. It is the responsibility of the owner to maintain and operate the facility in a satisfactory manner.</p> <p>Inspection and licensing of a facility indicates only that the facility meets certain minimum requirements. It does not impede any governmental entity in taking the proper steps to prevent or control pollution, to abate nuisance, or to protect the public health.</p> <p>This license to operate is valid for an indefinite period. It may be transferred by the holder to a succeeding owner, provided the facility has not been remodeled and is functioning properly.</p>					
THE FACILITY IS LICENSED FOR					
<input type="checkbox"/> SINGLE FAMILY RESIDENCE		<input checked="" type="checkbox"/> BUSINESS/INSTITUTION		GALLONS PER DAY 3900	
SQUARE FEET OF DWELLING		TYPE OF BUSINESS/INSTITUTION Apartment/Public Restroom/2 Offices/Laundromat			
THE FACILITY CONSISTS OF					
SYSTEM TYPE Proprietary		SYSTEM DESCRIPTION Aerobic Treatment & Surface Irrigation			
GALLON TANK 2 @ 1000 GPD Jet		SQUARE FEET ABSORPTION AREA 68,558		SWITCHING VALVE? YES/NO No	
SPECIAL CONDITIONS					
INSPECTOR John Cedio		ENVIRONMENTAL HEALTH COORDINATOR 			

**APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN  
ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE**

PRINT CLEARLY COMPLETING ALL INFORMATION

DATE: 9-20-99

PERMIT#: 78212

PROPERTY OWNERS NAME: MARY ANN SAWYER

PHONE#: 830-964-2657

ADDRESS: 14325 RIVER ROAD  
CANYON LAKE, TX 78132

RECEIVED

SEP 23 1999

DESCRIPTION OF PROPERTY:

COUNTY ENGINEER

SUBDIVISION: SCENIC HEIGHTS - STARTZVILLE

STREET NAME: FM 2623 UNIT: 3 LOT: 155R B L K:

IF NOT IN A SUBDIVISION GIVE NAME OF ROAD/HWY.: + Additional Property to NW ACREAGE: 3.9 ac total

LOT MUST BE MARKED ON SITE AND A LOCATION MAP ATTACHED WITH THIS APPLICATION. IS PROOF OF OWNERSHIP ATTACHED? NA

IS PROPERTY LOCATED OVER THE EDWARDS RECHARGE ZONE? No IF YES, SITE EVALUATION & PLANNING MATERIALS MUST BE COMPLETED BY A REGISTERED SANITARIAN OR PROFESSIONAL ENGINEER.

TYPE OF DEVELOPMENT:

✓ SINGLE FAMILY RESIDENCE  TOTAL SQ. FT. OF DWELLING  GALLONS PER DAY   
✓ COMMERCIAL TYPE OF BUSINESS/INSTITUTION Retail Shops, Laundromat, Shopping Center  
VARIES NUMBER OF OCCUPANTS 3900 GALLONS PER DAY

SITES GENERATING MORE THAN 5000 GALLONS PER DAY ARE REQUIRED TO OBTAIN PERMITTING THROUGH THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION.

SOURCE OF WATER: PUBLIC ✓ PRIVATE

PLANNING MATERIALS & SITE EVALUATION AS REQUIRED COMPLETED BY: Alvarez, UC Ken Cane + Rob Leonard, P.E.

SYSTEM TYPE: Proprietary (SEE TABLE IX ON NEXT PAGE)

SYSTEM DESCRIPTION: Aerobic Treatment + Surface Irrigation (SEE TABLE IX ON NEXT PAGE)

SIZE OF SEPTIC SYSTEM REQUIRED BASED ON PLANNING MATERIALS & SITE EVALUATION:

TANK SIZE 2 @ 1500, 4 @ 1000, 2 @ 1500 GALLONS ABSORPTION/APPLICATION AREA 60,937 SQ. FT.

ARE WATER SAVING DEVICES BEING UTILIZED? ✓ YES  NO

INSTALLERS NAME:

I CERTIFY THAT THE COMPLETED APPLICATION AND ALL ADDITIONAL INFORMATION SUBMITTED DOES NOT CONTAIN ANY FALSE INFORMATION AND DOES NOT CONCEAL ANY MATERIAL FACTS. AUTHORIZATION IS HEREBY GIVEN TO THE PERMITTING AUTHORITY AND DESIGNATED AGENTS TO ENTER UPON THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSE OF SITE/SOIL EVALUATION AND INSPECTION OF PRIVATE SEWAGE FACILITIES. I ALSO UNDERSTAND THAT A PERMIT OF AUTHORIZATION TO CONSTRUCT WILL NOT BE ISSUED UNTIL THE FLOOD PLAIN ADMINISTRATOR HAS APPROVED AND RELEASED THE DEVELOPMENT PERMIT FOR THIS PROPERTY.

SIGNATURE OF OWNER OR APPOINTED AGENT: Kenneth M. Cane

Box 267 Sahm TX 78881 830 988 2192  
IF SIGNED BY AGENT GIVE ADDRESS & PHONE NUMBER

# **Sawyer Investments Canyon Lake Laundromat Technical Design Report**

## **I. Background**

Sawyer Investments (Sawyer) owns and operates a Laundromat located in Startzville, Texas. The business operation consists of a small commercial center with two offices, an efficiency apartment and a 24-machine laundromat having one public toilet. The business operates under a "License to Operate a Private Sewage Facility" issued by Comal County on March 23, 1998.

In order to accommodate increased anticipated business, Sawyer wishes to expand the capacity of the wastewater treatment and disposal system. The current license allows for 1700 gallons per day to be treated by an aerobic treatment system and effluent disposed of by spray land application. Sawyer anticipates that increased future use of the laundromat will result in wastewater generation from the entire site not to exceed 3900 gallons per day. In addition to the treatment facilities recommended herein, Sawyer has purchased additional acreage (~1.3 acres) to accommodate the increased spray irrigation area required. This report was sets forth the basis for modifications to the existing system expansion and is intended to comply with State On-site Sewage Facility requirements presented in 30 TAC §285. A licensed contractor will be responsible for system installation.

## **II. Wastewater Generation**

There are various methodologies for projecting wasteloads for laundry wastewater treatment and disposal. Volumes of wastewater can be derived from 30TAC §285.90 Table III. However, laundry wastewater generation records, based on experience and Sawyer's own similar operations, indicate that washer loads produce about 35 gallons per cycle. Machine use should be no more than about 100 cycles per day for the Startzville laundry thus yielding a daily laundry waste flow of 3500 gallons. The business operates only 16 hours per day and thus a reduction from State criteria is indicated. Total hydraulic load should be about 3900 gpd based on this approach.

<u>Source</u>	<u>Daily Volume (Gallons)</u>
Apartment	180
Public Toilet	160
Two Offices (5 persons)	60
Laundromat (100 cycles X 35 gallons)	<u>3500</u>
Total Daily Wastewater	3900



### III. Wastewater Characterization

A scarcity of literature indicated that characterization of laundry waste would require sampling and analysis to evaluate treatability. Laundry manufactures have reported that organic strength of wastewater is about 300 mg/l BOD. Studies dating back to the 1970's indicate that the BOD could be as high as 692 mg/l. A limited search of national and Texas databases, as well as interviews with TNRCC personnel, reveals that nobody is researching and/or reporting the raw waste strength. Consequently, a composite sample was collected from the raw laundromat wastewater stream and was analyzed for organic and nutrient constituents. The representative sample indicated a BOD<sub>5</sub> of 253 mg/l, TSS of 130 mg/l, Ammonia-Nitrogen of 1.1 mg/l and Total Phosphorus of 4.34 mg/l.

Package aerobic systems are generally designed for domestic waste strength in terms of volumes at less than 300 mg/l BOD. Organic load approximates the hydraulic limiting value of package treatment units and therefore a standard 1000 gpd (hydraulic based) treatment plant receiving a BOD of 253 mg/l would have an effective capacity rating of about 1000 gallons. It is important to remember that the State requires that the effluent applied to land meet a 20-mg/l BOD standard. Based on the information available from on-site sampling and analysis data, it appears that the package treatment systems can meet regulatory requirements at the hydraulic capacity indicated by manufacturers. It is important to note that approximately 4 mg/l of nitrogen must be added to the raw waste stream in order to ensure proper biological treatment.

### IV. Wastewater Treatment & Disposal Concept

Gray-water from the sources identified above are to be routed to existing pretreatment settling compartments. The pretreatment consists of two existing separate tanks in series with 1500 gallons in capacity each. Settled gray-wastewater will be pumped to aerobic treatment by means of two existing pumps in the post pre-treatment pumping tank. Domestic wastewater will be discharged into the aerobic treatment systems after pretreatment by the existing settling/septic tank. Nutrient feed of ammonium nitrate will be injected into the aerobic treatment system. Treated wastewater will be stored in two 1500-gallon concrete tanks prior to being pumped to a 1.4-acre irrigation field.

### V. Site Evaluation

A review of the Hays/Comal Counties Soil Survey and on-site inspection of test holes indicates that the soil type for the additional surface spray irrigation area is identical to the existing spray irrigation area currently in use and approved by the Comal County Engineers office. Soil excavations were observed and the evaluation performed consistent with 30 TAC §285.30. The soil type is classified as Brackett-Rock outcrop and the color of the soil at this site is brown. Observations indicate that the soil is a shallow (typically 0-12" depth) clay-loam with outcropping of Edwards Limestone. Soil is considered to be Class III in accordance with 30 TAC §285.91 (6). Beneath the thin soil cover is irregularly fractured limestone and broken stone with accompanying clay-loam soil. In bench areas there are areas of deeper soils, especially in highly

fractured areas. Although the general project vicinity is considered "BtG" based on soil and slope, the specific project site is located on a hilltop with more moderate slope than the surrounding areas. Whereas the site may not be suitable for adsorption area due to underlying rock, surface spray irrigation consistent with 30 TAC §285.33 (c)(2) can be effective and should enhance grass growth and stabilize the existing soil.

The slope at the expansion site is less steep than at the existing approved area and does not exceed the 15% limitation specified in 30 TAC §285.33 (c)(2)(B). Based on the site evaluation it is recommended that the irrigated areas be lightly landscaped and as appropriate by adding 4-6 inches of sandy-loam or loam over much of the area to provide the irrigation area with suitable soil for planting Bermuda grass. It is recommended that the individual irrigation spray areas be leveled to provide the individual area a slope of not more than 5%. Fill material required to accomplish this should not contain large rocks or debris and should meet soil Class II or III standards.

## **VI. System Upgrade Recommendation**

### *Treatment System*

It is proposed that the existing aerobic treatment system consisting of two each 1000 gpd Hydro-Action units be retained. These units have been previously approved consistent with 30 TAC §285.32 (b). Furthermore, the application of these systems was approved for use at the existing laundromat by the Comal County Engineers Office in 1998. Two additional 1000 gpd package aerobic treatment units are required to provide adequate biological treatment for the total wasteload. The units will be Hydro-Action 1000 plants identical to those previously approved or equal systems that have received TNRCC approval. Flow from the gray water line will continue to be routed to the 3000 gallon settling tank and then will be rerouted to the existing sewage lift pump tank. Flow from the blackwater line will continue to be received in the existing 1500 gallon pretreatment unit prior to entry to the lift pump tank. One existing lift pump will provide flow to the existing two aerobic units by means of the existing 2-Zone K-Rain Valve. The other pump will similarly divert flow from the lift pump tank to the other two aerobic units by means of a new 2-Zone K-Rain Valve. Flows from the four aerobic units will be routed to the irrigation storage tanks (two each 1500 gallon tanks) where chlorination application will be made.

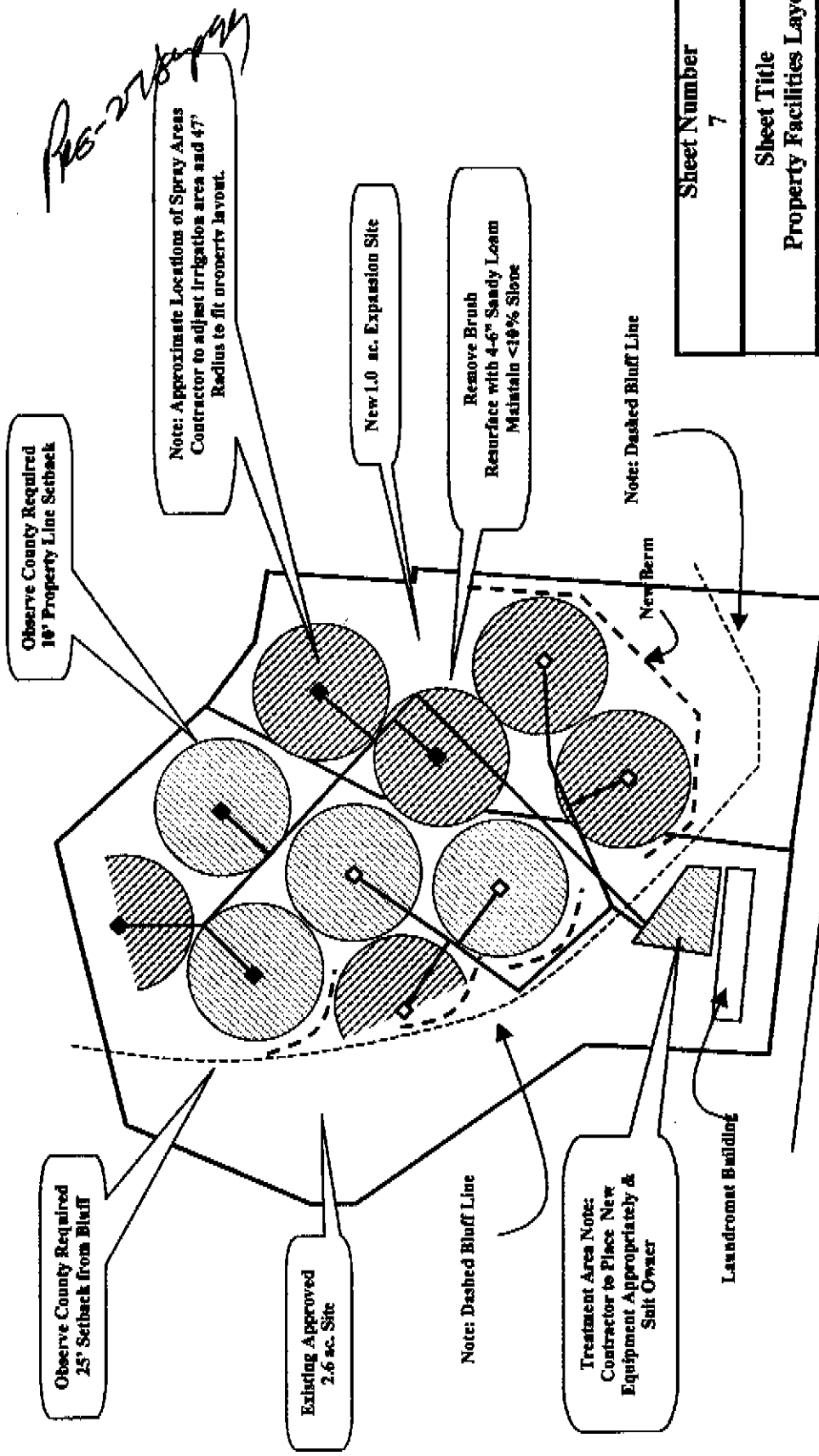
### *Surface Spray Irrigation*

The existing surface spray irrigation fields were designed consistent with 30 TAC §285.33 (c)(2) and will be retained. An additional 0.8 acres of spray irrigation area shall be provided in conjunction with the 1.0 acre new property purchased by Sawyer contiguous to and immediately to the North of the existing irrigation area. Modifications to the existing spray irrigation pumping and piping system will be required and will likewise be in accordance with 30 TAC §285.33 (c)(2). The irrigation fields will be separated into two elevation zones of equal size to enhance even distribution of water. Each bank will be capable of distributing 35 gpm to an effective area of 0.7 acres. A new 2-Zone K-Rain Valve will be used to divert the flow from the final tank to each bank of fields in an alternating fashion.

To facilitate the distribution of irrigation water, two new 1¼" Schedule 40 PVC lines will carry treated water from the irrigation pump tank to the two separate banks of irrigation fields. New ¾" Schedule 40 PVC lines will connect the 1¼" mains to the new sprinkler heads. New fields will be placed such that irrigation areas do not overlap. Sprinkler heads will match the existing Super 600 Sprinkler by TORO with #5 nozzle size each to deliver 6 gpm at 40 psig with 47' radius spray. Two sprinkler heads will be directional heads to prevent watering of setback areas. Berms will be placed downgradient of irrigation areas as indicated on drawing Sheet #7 to prevent potential runoff of irrigation water. As indicated previously, individual spray areas should be leveled such that they do not exceed 5% slope. Fill material may be required to accomplish this recommended task. The overall slope of the irrigation project site meets the 15% limitation without site grading or fill.

80526

*Res-278*



FM 2673

**Legend**

- Existing Project Area
- Expansion Project Area
- New Berms
- Irrigation Level No.1
- Irrigation Level No.2

~100 Feet

Sheet Number

7

Sheet Title

Property Facilities Layout

Approved By

Drawn By

Project

Sawyer Investments

Project Number

99002

**Alianza, LLC**

P.O. Box 267 Seabrook, TX 78831  
830-988-2192

Date

9-20-99

Revised

DATE OF APPLICATION

PERMIT NUMBER

DATE OF PERMIT APPROVAL

DATE OF FLOOD PLAIN APPROVAL

	78272 80526	12-16-99	N/A
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LOCATION: FM 2673 - SCENIC HTS - STARTZVILLE

SYSTEM TYPE/DESCRIPTION:

AFFIDAVIT TO THE PUBLIC REQUIRED ON SURFACE APPLICATION & ET SYSTEMS  
SERVICE AGREEMENT REQUIRED FOR SYSTEMS UTILIZING AEROBIC TREATMENT

AFFIDAVIT RECEIVED ☒

SERVICE AGREEMENT RECEIVED ☒

INFORMATION FROM PRELIMINARY ON-SITE INSPECTION:

DATE OF PRELIMINARY ON-SITE INSPECTION:

CHECK HERE INDICATING DESIGN MEETS TNRCC REQUIREMENTS:

LIST DEFICIENCIES IN PLANNING MATERIALS WHICH DO NOT MEET TNRCC RULES: (BE SPECIFIC & EXPLAIN FINDINGS IN DETAIL)

(CHECK OFF WHEN REQUIRED INFORMATION IS RECEIVED)

☒ NO AFFIDAVIT -

☒ NO MAINT CONTRACT -

Hold for V+R

Comm. Court approved

12-16-99

3.

4.

5.

6.

7.

8.

9.

10.

NOTES OR CONCERNS:

1.

2.

3.

4.

INSTALLATION INSPECTION INFORMATION:

DATE OF S-1

7 Feb 00

DATE OF S-2

7 Feb 00

DATE OF S-3

COV ☒

INSTALLERS NAME:

Graham

2 Jet

1000 GPD Aerobic

TANK SIZE(S)

68, 558

SQ. FT. ABSORPTION/APPLICATION AREA

CHECK HERE IF DIVERter VALVE IS USED?

INSPECTED BY:

John

ENTERED IN SUMMARY SHEET

7 Feb 00

DATE OF FINAL INSPECTION

7 Feb 00

DATE OF APPLICATION

PERMIT NUMBER

DATE OF PERMIT APPROVAL

DATE OF FLOOD PLAIN APPROVAL

78272 80526 12-16-99 NIA

LOCATION: FM 2673 - SCENIC HTS - STARZVILLE

SYSTEM TYPE/DESCRIPTION:

AFFIDAVIT TO THE PUBLIC REQUIRED ON SURFACE APPLICATION & ET SYSTEMS  
SERVICE AGREEMENT REQUIRED FOR SYSTEMS UTILIZING AEROBIC TREATMENT

AFFIDAVIT RECEIVED ☒

SERVICE AGREEMENT RECEIVED ☒

INFORMATION FROM PRELIMINARY ON-SITE INSPECTION:

DATE OF PRELIMINARY ON-SITE INSPECTION:

CHECK HERE INDICATING DESIGN MEETS TNRCC REQUIREMENTS:

LIST DEFICIENCIES IN PLANNING MATERIALS WHICH DO NOT MEET TNRCC RULES: (BE SPECIFIC & EXPLAIN FINDINGS IN DETAIL)

(CHECK OFF WHEN REQUIRED INFORMATION IS RECEIVED)

☒ NO AFFIDAVIT -

☒ NO MAINT CONTRACT -

☒ Hold for V & R

comm. Court approved

12-16-99

3.

4.

5.

6.

7.

8.

9.

10.

Site plan - specific

Check septic and pump tank

22 reg machines - 2 heavy duty

NOTES OR CONCERNS:

1.

2.

3.

4.

INSTALLATION INSPECTION INFORMATION:

DATE OF S-1

7 Feb 00

DATE OF S-2

7 Feb 00

DATE OF S-3

TANKTOP

COV

INSTALLERS NAME: Graham

2 Jet 1000 GPD Aerobic

TANK SIZE(S)

68, 558

SQ. FT. ABSORPTION/APPLICATION AREA

CHECK HERE IF DIVERTER VALVE IS USED?

INSPECTED BY:

John

DATE OF FINAL INSPECTION

7 Feb 00

ENTERED IN SUMMARY SHEET

7 Feb 00

**APPLICATION FOR PERMIT FOR AUTHORIZATION TO CONSTRUCT AN  
ON-SITE SEWAGE FACILITY AND LICENSE TO OPERATE**

PRINT CLEARLY COMPLETING ALL INFORMATION

DATE: 9-20-99

PERMIT#: 80526  
78212

PROPERTY OWNERS NAME: MARY ANN SAWYER

PHONE#: 830-964-2657

ADDRESS: 14325 RIVER ROAD  
CANYON LAKE, TX 78132

RECEIVED

DESCRIPTION OF PROPERTY:

COUNTY ENGINEER

SUBDIVISION: SCENIC HEIGHTS - STARTZVILLE

STREET NAME: FM 2623 UNIT: 3 LOT: 1558 BLK:

IF NOT IN A SUBDIVISION GIVE NAME OF ROAD/HWY: + Additional Property to NW ACREAGE: 3.9 ac 61 ac

LOT MUST BE MARKED ON SITE AND A LOCATION MAP ATTACHED WITH THIS APPLICATION. IS PROOF OF OWNERSHIP ATTACHED? NA

IS PROPERTY LOCATED OVER THE EDWARDS RECHARGE ZONE? No IF YES, SITE EVALUATION & PLANNING MATERIALS MUST BE COMPLETED BY A REGISTERED SANITARIAN OR PROFESSIONAL ENGINEER.

TYPE OF DEVELOPMENT:

✓ SINGLE FAMILY RESIDENCE TOTAL SQ. FT. OF DWELLING \_\_\_\_\_ GALLONS PER DAY  
✓ COMMERCIAL TYPE OF BUSINESS/INSTITUTION Retail Shops, Laundromat, Shopping Center  
VARIES NUMBER OF OCCUPANTS 3900 GALLONS PER DAY

SITES GENERATING MORE THAN 5000 GALLONS PER DAY ARE REQUIRED TO OBTAIN PERMITTING THROUGH THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION.

SOURCE OF WATER: PUBLIC ✓ PRIVATE \_\_\_\_\_

PLANNING MATERIALS & SITE EVALUATION AS REQUIRED COMPLETED BY: Alanza, LLC Ken Cane + Rob Leachman, P.E.

SYSTEM TYPE: Proprietary (SEE TABLE IX ON NEXT PAGE)

SYSTEM DESCRIPTION: Aerobic Treatment + Surface Irrigation (SEE TABLE IX ON NEXT PAGE)

SIZE OF SEPTIC SYSTEM REQUIRED BASED ON PLANNING MATERIALS & SITE EVALUATION:

TANK SIZE 2 @ 1500, 4 @ 1000, 2 @ 1500 GALLONS ABSORPTION/APPLICATION AREA 60,937 SQ. FT.

ARE WATER SAVING DEVICES BEING UTILIZED? ✓ YES \_\_\_\_\_ NO

INSTALLERS NAME: \_\_\_\_\_

I CERTIFY THAT THE COMPLETED APPLICATION AND ALL ADDITIONAL INFORMATION SUBMITTED DOES NOT CONTAIN ANY FALSE INFORMATION AND DOES NOT CONCEAL ANY MATERIAL FACTS. AUTHORIZATION IS HEREBY GIVEN TO THE PERMITTING AUTHORITY AND DESIGNATED AGENTS TO ENTER UPON THE ABOVE DESCRIBED PROPERTY FOR THE PURPOSE OF SITE/SOIL EVALUATION AND INSPECTION OF PRIVATE SEWAGE FACILITIES. I ALSO UNDERSTAND THAT A PERMIT OF AUTHORIZATION TO CONSTRUCT WILL NOT BE ISSUED UNTIL THE FLOOD PLAIN ADMINISTRATOR HAS APPROVED AND RELEASED THE DEVELOPMENT PERMIT FOR THIS PROPERTY.

SIGNATURE OF OWNER OR APPOINTED AGENT: Kenneth M. Cane

Box 267 Sibbald Tx 78881 830.958.2192  
IF SIGNED BY AGENT GIVE ADDRESS & PHONE NUMBER

**OFFICE OF COMAL COUNTY ENGINEER  
PERMIT OF AUTHORIZATION TO CONSTRUCT  
ON SITE SEWAGE FACILITY  
MINIMUM REQUIRED SIZES FOR SEPTIC SYSTEM  
PERMIT VALID FOR ONE YEAR FROM DATE ISSUED**

PERMIT MONTH December	PERMIT DAY 16	PERMIT YEAR 1999
--------------------------	------------------	---------------------

☐ SINGLE FAMILY RESIDENCE

☐ INSTITUTION

☐ REMODEL PERMIT

PERMIT# 80526
------------------

OWNER(L) Sawyer
--------------------

FIRST
-------

SUBDIVISION NAME Scenic Heights
------------------------------------

STREET
--------

UNIT 3
-----------

BLOCK
-------

LOT 155R
-------------

TRACT/ACRES
-------------

**APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN:**

**TANK SIZE**

add 2 Jet 1000 GPD Aerobic to existing (2@1000 GPD Aerobic/3000 & 2@1500 settling / 3000 final storage/ & pump tank)

**ABSORPTION AREA REQUIRED**

68,558

**SYSTEM TYPE**

Proprietary

**SYSTEM DESCRIPTION**

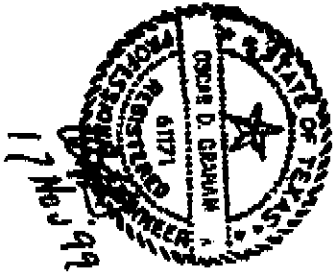
Aerobic Treatment & Surface Irrigation

Special Requirements

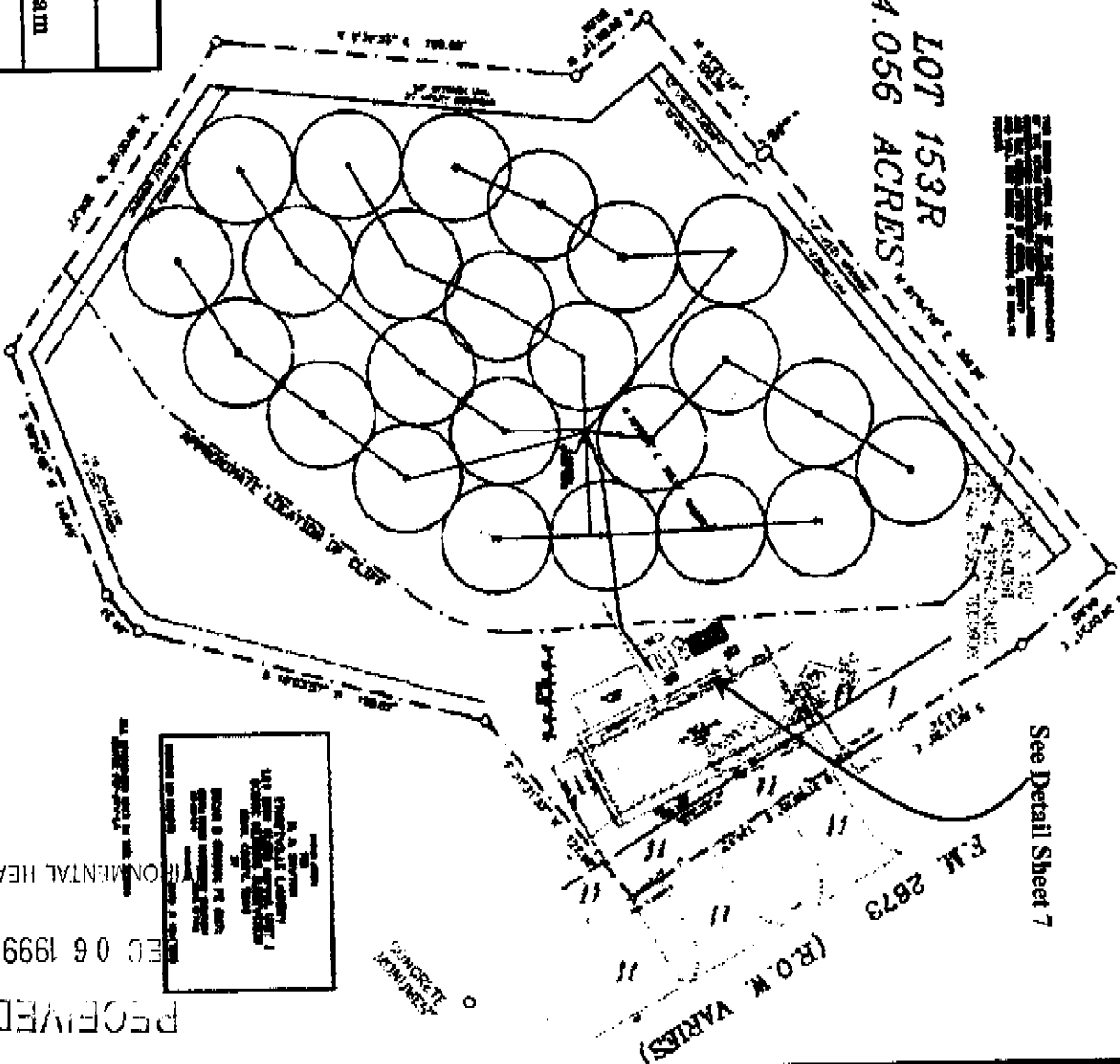
**THIS PERMIT GIVES PERMISSION FOR THE CONSTRUCTION OF THE ABOVE REFERENCED ON SITE SEWAGE FACILITY TO COMMENCE. INSTALLATION MUST BE COMPLETED BY AN INSTALLER HOLDING A VALID REGISTRATION CARD FROM THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION (TNRCC). INSTALLATION AND INSPECTION MUST COMPLY WITH CURRENT TNRCC AND COMAL COUNTY REQUIREMENTS. CALL (830) 608-2094 TO SCHEDULE INSPECTIONS.**



80526



LOT 153R  
4.056 ACRES



Sheet 8	
Jet Treatment & Irrigation Layout	
Designed By David Graham	Drawn By David Graham
Project Sawyer Investments	Date 11-24-'99

RECEIVED  
NOV 06 1999  
PHONENTIAL HEALTH

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED

FEB 06 2003

COUNTY ENGINEER

## Jet Home Plant Service Policy

This agreement entitles: Startzville Laundry 830-964-2657 Cornal  
14261 River Road Permit # 80526  
Canyon Lake, TX 78132

to the following service for 12 month(s) from the date of initial installation or upon expiration of existing contract.

Upon receipt of this signed agreement and \$610.00, SOUTH TEXAS WASTEWATER TREATMENT agrees to perform the following services during the term of this agreement. It is the Homeowners responsibility to see that the chlorinator is stocked with chlorine (Calcium Hypochlorite). This Contract does not include the cost of the chlorine, parts or labor.

Service the Jet Plant 3 times per year. If we are unable to access the property, there will be an additional charge for us to return. These inspections will include:

### PLANT SERVICE

- \* Removal, inspection, adjustment, and cleaning of aerator, aspirator and shaft and re-installation of same.
- \* Inspection and adjustment of all control settings and overload protection, if there is access at time of service.
- \* Inspection of pump, chlorinator, sprinkler heads, spray area, and test Chlorine and report conditions.

### EMERGENCY SERVICE

- \* Three emergency service calls per year at no charge (service call only - does not include parts or labor) -
- \* Any service or repairs need due to neglect or abuse of wastewater treatment plant will be billed to the homeowner.
- \* Any warranted parts or labor will be covered according to the manufacturers warranty program. Freight charges to and from the manufacturer will be billed to the homeowner.

We will respond to Homeowner's concerns within 3 working days.

This contract will expire on the following date: 1/25/2004.

Owner's Signature

(Please sign, date, and return one copy.)

Date

Accepted for South Texas Wastewater Treatment

Date

Revised 7/13/01

Factory Trained Representatives: Oscar D. Graham and Bruce Cobabe

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 • 830-249-8098 or 1-800-86-WASTE

RECEIVED  
RECEIVED  
FEB 06 2003  
FEB 06 2003  
COUNTY ENGINEER  
COUNTY ENGINEER

January 30, 2003

Startzville Laundry  
c/o Sawyer Investments  
14261 River Rd.  
Canyon Lake, TX 78132

Sawyer Investments:

Your service contract expired on 1/25/2003. We have continued to service the plant, but will not be able to service it again until the new service contract has been paid for and renewed. Please find enclosed 2 copies of the contract and invoices.

If you are not planning on renewing your service contract with us, then we must terminate our service. Since having a service contract with a certified provider is required by the TNRCC, we must notify the County that we are terminating our service to your plant. Please let us know your intentions.

If we do not hear from you within ten (10) days, we will assume you have made arrangements with another provider and will terminate our services.

Please call if you have any questions.

Thank you,



Nyta Brown

cc: Comal County

RECEIVED

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

### SERVICE RECORD/REPORT

Startzville Laundry  
14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-05

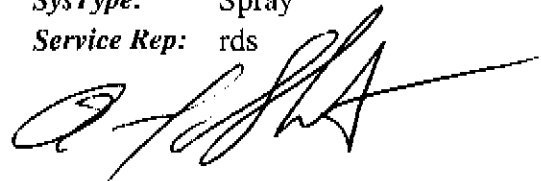
*Dear Customer,*

*We serviced and/or repaired  
your Jet system on:*

19-Feb-03

SysType: Spray

Service Rep: rds



*Our inspection found:*

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

#### **Required Repairs/Comments:**

Installed 2 Air Pumps on hydro action plant.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P.O. Box 1284 Boerne, Texas 78006 \* 830 249-8098 or 1-800-86 WASTE

## SERVICE RECORD/REPORT

Startzville Laundry  
14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-03

*Dear Customer,*

*We serviced and/or repaired  
your Jet system on:*

24-Dec-02

SysType: Spray

Service Rep: bjrd

*Our inspection found:*

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

*Required Repairs/Comments:*

Replaced 2 sprinklers.

**RECEIVED**  
DEC 30 2002  
COUNTY ENGINEER

*O. David Graham*

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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JAN 16 2003

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-03

*Dear Customer,*

*We serviced and/or repaired  
your Jet system on:*

08-Jan-03

SysType: Spray

Service Rep: rds

*Our inspection found:*

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

*Required Repairs/Comments:*

Serviced.

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# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-03

*Dear Customer,*

*We serviced and/or repaired  
your Jet system on:*

10-Sep-02

SysType: Spray

Service Rep: rds



*Our inspection found:*

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

*Required Repairs/Comments:*

Checked all sprinklers and re-marked all stakes with orange paint.

O. David Graham

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# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry

14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-03

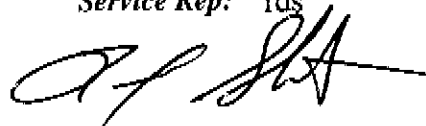
*Dear Customer,*

*We serviced and/or repaired  
your Jet system on:*

05-Sep-02

SysType: Spray

Service Rep: rds



*Our inspection found:*

*Field:* Yes *acceptable*

*Aerator:* Yes *operational*

*Pump:* Yes *operational*

*Pump warning light:* Off *(if applicable)*

*Aerator warning light:* Off *(if applicable)*

*Controls:* Yes *operational (if available for inspection)*

*Chlorine test results:* 0

*We added 0 tablets to your chlorinator*

*Required Repairs/Comments:*

Repaired air hose from clear stream air pump.

*O. David Graham*



# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-03

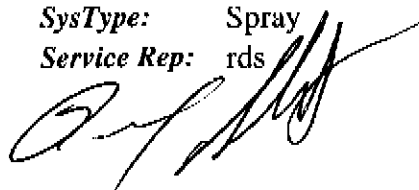
*Dear Customer,*

*We serviced and/or repaired  
your Jet system on:*

27-Aug-02

SysType: Spray

Service Rep: rds



*Our inspection found:*

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Serviced. Need to repair hose on hydro action compressor. Cleaned 2 filters.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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APR 17 2002

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## SERVICE RECORD/REPORT

Startzville Laundry

14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-03

Dear Customer,

We serviced and/or repaired  
your Jet system on:

10-Apr-02

SysType: Spray

Service Rep: ebbj

Our inspection found:

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

*Edward Brown*  
Edward Brown

Chlorine test results: 1

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Serviced 4 aerators. Cleaned 2 z filters. Replaced 1 broken sprinkler. HO adds own chlorine.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249 8098 or 1-800-86 WASTE

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PLANT ENGINEER

## SERVICE RECORD/REPORT

Startsville Laundry

14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-02

Dear Customer,

We serviced your Jet system on: 27-Jan-01

SysType: Spray

Service Rep: bjeb

Our inspection found:

Plant: Yes was aerobic

Aerator: Yes operational

Dosing Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs:

Serviced, unable to get chlorine reading, ho is adjusting chlorine.

General Comments:

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**SOUTH TEXAS WASTEWATER TREATMENT** JAN 23 2002  
Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE  
COUNTY ENGINEER

**Jet Home Plant Service Policy**

This agreement entitles: Startzville Laundry 830-964-2657 Comal  
14261 River Road Permit # 80526

Canyon Lake., TX 78132

to the following service for 12 month(s) from the date of initial installation or upon expiration of existing contract.

Upon receipt of this signed agreement and \$610.00, SOUTH TEXAS WASTEWATER TREATMENT agrees to perform the following services during the term of this agreement. It is the Homeowners responsibility to see that the chlorinator is stocked with chlorine (Calcium Hypochlorite). This Contract does not include the cost of the chlorine, parts or labor.

Service the Jet Plant 3 times per year. If we are unable to access the property, there will be an additional charge for us to return. These inspections will include:

**PLANT SERVICE**

- \* Removal, inspection, adjustment, and cleaning of aerator, aspirator and shaft and re-installation of same.
- \* Inspection and adjustment of all control settings and overload protection, if there is access at time of service.
- \* Inspection of pump, chlorinator, sprinkler heads, spray area, and test Chlorine and report conditions.

**EMERGENCY SERVICE**

- \* Three emergency service calls per year at no charge (service call only - does not include parts or labor)
- \* Any service or repairs need due to neglect or abuse of wastewater treatment plant will be billed to the homeowner.
- \* Any warrantied parts or labor will be covered according to the manufacturers warranty program. Freight charges to and from the manufacturer will be billed to the homeowner.

We will respond to Homeowner's concerns within 3 working days.

This contract will expire on the following date: 1/25/2003.

Mary Ann Sawyer  
Owner's Signature Date

Oscar D. Graham 1-9-02  
Accepted for South Texas Wastewater Treatment Date  
by Susan J. Lowe

Revised 7/13/01

Factory Trained Representatives: Oscar D. Graham and Bruce Cobabe

**PAID**  
CKNO 1-9-02  
2091

**FILE COPY**

# SOUTH TEXAS WASTEWATER TREATMENT

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P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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## SERVICE RECORD/REPORT

Startsville Laundry

14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-02

Dear Customer,

We serviced your Jet system on: 08-Nov-00

SysType: Spray

Service Rep: bjeb

Our inspection found:

Plant: Yes was aerobic

Aerator: Yes operational

Dosing Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs:

service

General Comments:

Please explain  
chlorine results  
was home owner  
informed weather  
to add chlorine

H/O - filling chlorinator  
to ~~full~~ we set the dispenser  
to a higher level

O, David Graham

## SOUTH TEXAS WASTEWATER TREATMENT

## Service Call Report Form

Startsville Laundry  
8719 FM 2673  
Canyon Lake, TX 78133

County/Permit: Comal 80526  
Subdivision: comal  
Installer (if not STWT):  
Date Installed/Last Serviced: 25-Jan-00 08-Nov-00  
Service Contract Expires: 25-Jan-02

Driving Directions: Hwy 46 Past 281 left on 2673 to fend, then left past Dairy Queen on left side of  
hyw- behind laundry mat for access.

Spray Aerators On-Site: 6392TZ, 6389TZ, 6160TY, 6386TZ

Date <u>2 6</u>	Tech <u>Bj</u>	Time in <u>8:00</u>	Time out <u>8:45</u>	Mileage <u>124627</u>
BATs blown Yes / No	Plant Aerobic Yes / No	Aerator Operational Yes / No	Dosing Pump Operational Yes / No	Warning Lights Pump Off / On / UA
				Aerator Operational Off / On / UA
				Controls Operational Yes / No / UA
				Chlorine Reading <input checked="" type="checkbox"/>
				Tablets Added <input type="checkbox"/>
Aerator # <u>    </u>	Aerator shaft removed? Yes / No		Solids entering pump tank? Yes / No	
Sprinklers working?	Yes / No	Number of sprinklers <u>    </u>	Door hanger? Yes / No	
Parts <u>    </u>	<u>1 Sprinkler</u>			

Service Record: 11/17/00 rec'd pymt for sprinklers

Date: 10-Jan-00

Chl: 0.0

Tablets: 0 sprinklers

Date: 10-Feb-00 DM Replaced 2 sprinklers

Chl:

Tablets: 0

Date: 09-Jun-00 md

Chl: 0.0

Tablets: 0 replaced sprinkler, seeded spray area. 25 lbs of grass, has other sprinklers broken. md

Date: 01-Jul-00 bj

Chl:

Tablets: Replaced 2 sprinklers repaired 1 broken all sprinklers were loose.  
about 50 sprinklers, in the field above the hill.

Date: 27-Sep-00 lg

Chl: 0.0

Tablets: 0 chl is been use too much, possible leak or something. 18 gals in 6 days vs 18 in 3

Cherry Look for Mark 964-2657 830-620-8858

Date: 28-Sep-00 lg

Chl: 0.0

Tablets: 0 Cherry called said Mark their service guy fixed problem.

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PRIORITY



*Date:* 08-Nov-00 bjeb service

*Chl:* 0.0

*Tablets:* 0 removed aerator #6386tz to shop (empty hole) aerator under warranty...send to jet. Billed for 2 sprinklers Inv 813

*Date:* 15-Nov-00 bj

*Chl:* 0.0

*Tablets:* 0 returned aerator #6386tz

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**SOUTH TEXAS WASTEWATER TREATMENT****Service Call Report Form**

Startsville Laundry  
14261 River Road  
Canyon Lake, TX 78132

*AKA  
Mary Ann  
Sawyer*

830-964-2657

County/Permit: Comal  
Subdivision: comal  
Original Install Date: 25-Jan-00  
Date Last Serviced: \_\_\_\_\_  
Service Contract Expires: 25-Jan-02

**Driving Directions:**

Spray Aerators On-Site: 6392TZ, 6389TZ, 6160TY, 6386TZ

*Permit 80526*

*Scheduled for Service  
this month.*

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# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 • 830-249-8098 or 1-800-86 WASTE

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## SERVICE RECORD/REPORT

Startzville Laundry  
14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-02

*Dear Customer,*

*We serviced and/or repaired  
your Jet system on:* 06-Dec-01

SysType: Spray

Service Rep: bjrd

*Our inspection found:*

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)



Chlorine test results: 0.9

We added 0 tablets to your chlorinator

### Required Repairs:

Serviced 4 aerators. Cleaned 2 z filters. Checked plant, and sprinkler field. HO adds own chlorine.

### General Comments:

O. David Graham

**OFFICE OF COMAL COUNTY ENGINEER  
PERMIT OF AUTHORIZATION TO CONSTRUCT  
ON SITE SEWAGE FACILITY  
MINIMUM REQUIRED SIZES FOR SEPTIC SYSTEM  
PERMIT VALID FOR ONE YEAR FROM DATE ISSUED**

PERMIT MONTH December	PERMIT DAY 16	PERMIT YEAR 1999
--------------------------	------------------	---------------------

☒ SINGLE FAMILY RESIDENCE

☐ INSTITUTION

☐ REMODEL PERMIT

PERMIT# 80526
------------------

OWNER(L) Sawyer
--------------------

FIRST
-------

SUBDIVISION NAME Scenic Heights
------------------------------------

STREET
--------

UNIT 3
-----------

BLOCK
-------

LOT 155R
-------------

TRACT/ACRES
-------------

APPROVED MINIMUM SIZES AS PER ATTACHED DESIGN:
--

TANK SIZE add 2 Jet 1000 GPD Aerobic to existing (2@1000 GPD Aerobic/3000 & 2@1500 settling / 3000 final storage/ & pump tank)
---

ABSORPTION AREA REQUIRED 68,558
------------------------------------

SYSTEM TYPE Proprietary
----------------------------

SYSTEM DESCRIPTION Aerobic Treatment & Surface Irrigation
--

Special Requirements
----------------------

<p><b>THIS PERMIT GIVES PERMISSION FOR THE CONSTRUCTION OF THE ABOVE REFERENCED ON SITE SEWAGE FACILITY TO COMMENCE. INSTALLATION MUST BE COMPLETED BY AN INSTALLER HOLDING A VALID REGISTRATION CARD FROM THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION (TNRCC). INSTALLATION AND INSPECTION MUST COMPLY WITH CURRENT TNRCC AND COMAL COUNTY REQUIREMENTS. CALL (830) 608-2094 TO SCHEDULE INSPECTIONS.</b></p>
---

**REVISED**  
**80526**

***Treatment & Disposal System Plan***  
***for***  
***Canyon Lake Laundromat***  
***Startzville, Texas***

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ENVIRONMENTAL HEALTH

***Prepared for***

***Mary Ann Sawyer***  
***Sawyer Investments, Inc,***  
***14325 River Road***  
***Canyon Lake, Texas 78132***

*Interpose no  
objection  
TAA  
12-8-99*



***Alianza, LLC***

***An Alliance of Environmental Resource Professionals***

***Revised December 6, 1999***  
***PN99002***

***Treatment & Disposal System Plan***  
***For***  
***Canyon Lake Laundromat***  
***Startzville, Texas***

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DEC 06 1999      *prepared for*

ENVIRONMENTAL HEALTH

***Mary Ann Sawyer***  
***Sawyer Investments, Inc.***  
***14325 River Road***  
***Canyon Lake, Texas 78132***

***Revised December 6, 1999***  
***PN99002***

***Prepared by***

***Kenneth M. Cave***  
***Senior Environmental Scientist***  
***and***  
***David Graham, P.E.***

***Alianza, LLC***  
***P.O. Box 267***  
***Sabinal, Texas 78881***  
***Office: 830-988-2192***  
***FAX: 830-988-3197***



***Alianza***

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**Executive Summary**

ENVIRONMENTAL HEALTH

The approach indicated in this treatment and disposal plan for Sawyer Investment's Laundromat in Startzville, Texas is based on a decision to provide secondary level treatment for 3900 gallons per day of wastewater prior to above-ground disposal by spray irrigation. The proposed facilities essentially expand on the same processes already approved for 1700 gallons per day for the Laundromat. It is assumed that the process would meet organic treatment and hydraulic needs of the laundromat, and will meet requirements in order to be licensed by Comal County. The report contained herein includes the criteria and description of improvements required to address regulatory requirements.

It is noteworthy that there is very little scientific data available that describes the "raw" quality of wastewater from laundromats. Therefore, sampling and analysis of the raw laundromat wastewater was undertaken and completed in September to characterize the waste. Results are presented in the Appendix to this report.

As a result of the wasteload characterization, specific treatment facility structural and process design aspects have been tailored to the findings. The concept and component structure proposed herein is appropriate in light of the anticipated strength BOD waste. Maximum use of existing facilities is proposed. System components and supplemental mixture formulation for nutrients are proposed herein. It is believed that the existing biological facilities, as well as the proposed expansion treatment facilities, should function properly as designed with nutrient feeding. The proposed expansion is similar to the existing/permitted treatment and disposal facilities with the exception of the addition of nutrients to promote healthy aerobic treatment.

The technical design report contained herein describes the nature of the treatment facilities, narrative site evaluation, extent of surface irrigation disposal system and the actions required for complete construction. Major expansion improvements include two new 1000 gpd aerobic treatment units such as have already been State approved and 0.8 acres additional spray irrigation area. The proposed design contained herein should meet the intent of 30 TAC §285 and Comal County regulations regarding on-site wastewater treatment and disposal.

**Sawyer Investments  
Canyon Lake Laundromat  
Technical Design Report**

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ENVIRONMENTAL HEALTH

## **I. Background**

Sawyer Investments (Sawyer) owns and operates a Laundromat located in Startzville, Texas. The business operation consists of a small commercial center with two offices, an efficiency apartment and a 24-machine laundromat having one public toilet. The business operates under a "License to Operate a Private Sewage Facility" issued by Comal County on March 23, 1998.

In order to accommodate increased anticipated business, Sawyer wishes to expand the capacity of the wastewater treatment and disposal system. The current license allows for 1700 gallons per day to be treated by an aerobic treatment system and effluent disposed of by spray land application. Sawyer anticipates that increased future use of the laundromat will result in wastewater generation from the entire site not to exceed 3900 gallons per day. In addition to the treatment facilities recommended herein, Sawyer has purchased additional acreage (~1.3 acres) to accommodate the increased spray irrigation area required. This report ~~was~~ sets forth the basis for modifications to the existing system expansion and is intended to comply with State On-site Sewage Facility requirements presented in 30 TAC §285. A licensed contractor, South Texas Wastewater Treatment, will be responsible for system installation and maintenance.

## **II. Wastewater Generation**

There are various methodologies for projecting wasteloads for laundry wastewater treatment and disposal. Volumes of wastewater can be derived from 30TAC §285.90 Table III. However, laundry wastewater generation records, based on experience and Sawyer's own similar operations, indicate that washer loads produce about 35 gallons per cycle. Machine use should be no more than about 100 cycles per day for the Startzville laundry thus yielding a daily laundry waste flow of 3500 gallons. The business operates only 16 hours per day and thus a reduction from State criteria is indicated. Total hydraulic load should be about 3900 gpd based on this approach.

<u>Source</u>	<u>Daily Volume (Gallons)</u>
Apartment	180
Public Toilet	160
Two Offices (5 persons)	60
Laundromat (100 cycles X 35 gallons)	<u>3500</u>
Total Daily Wastewater	3900

### III. Wastewater Characterization

ENVIRONMENTAL HEALTH

A scarcity of literature indicated that characterization of laundry waste would require sampling and analysis to evaluate treatability. Laundry manufactures have reported that organic strength of wastewater is about 300 mg/l BOD. Studies dating back to the 1970's indicate that the BOD could be as high as 692 mg/l. A limited search of national and Texas databases, as well as interviews with TNRCC personnel, reveals that nobody is researching and/or reporting the raw waste strength. Consequently, a composite sample was collected from the raw laundromat wastewater stream and was analyzed for organic and nutrient constituents. The representative sample indicated a BOD<sub>5</sub> of 253 mg/l, TSS of 130 mg/l, Ammonia-Nitrogen of 1.1 mg/l and Total Phosphorus of 4.34 mg/l.

Package aerobic systems are generally designed for domestic waste strength in terms of volumes at less than 300 mg/l BOD. Organic load approximates the hydraulic limiting value of package treatment units and therefore a standard 1000 gpd (hydraulic based) treatment plant receiving a BOD of 253 mg/l would have an effective capacity rating of about 1000 gallons. It is important to remember that the State requires that the effluent applied to land meet a 20-mg/l BOD standard. Based on the information available from on-site sampling and analysis data, it appears that the package treatment systems can meet regulatory requirements at the hydraulic capacity indicated by manufacturers. It is important to note that approximately 4 mg/l of nitrogen must be added to the raw waste stream in order to ensure proper biological treatment.

### IV. Wastewater Treatment & Disposal Concept

Gray-water from the sources identified above are to be routed to existing pretreatment settling compartments. According to previously approved design plans, the pretreatment consists of an existing 3000 gallon tank. Settled gray-wastewater will be pumped to aerobic treatment by means of two existing pumps in the post pre-treatment pumping tank. Domestic wastewater will be discharged into the aerobic treatment systems after pretreatment by the existing settling/septic tank. This black-water will be pumped from the same pump tank as the grey-water. Nutrient feed of sodium nitrate will be injected into the aerobic treatment system. Treated wastewater will be stored in two 1500-gallon concrete tanks prior to being pumped to a 1.4-acre irrigation field.

### V. Site Evaluation

A review of the Hays/Comal Counties Soil Survey and on-site inspection of test holes indicates that the soil type for the additional surface spray irrigation area is identical to the existing spray irrigation area currently in use and approved by the Comal County Engineers office. Soil excavations were observed and the evaluation performed consistent with 30 TAC §285.30. The soil type is classified as Brackett-Rock outcrop and the color of the soil at this site is brown. Observations indicate that the soil is a shallow (typically 0-12" depth) clay-loam with outcropping of Edwards Limestone. Soil is considered to be Class III in accordance with 30 TAC §285.91 (6). Beneath the thin soil cover is irregularly fractured limestone and broken stone with

accompanying clay-loam soil. In bench areas there are areas of deeper soils, especially in highly fractured areas. Although the general project vicinity is considered "BtG" based on soil and slope, the specific project site is located on a hilltop with more moderate slope than the surrounding areas. Whereas the site may not be suitable for adsorption area due to underlying rock, surface spray irrigation consistent with 30 TAC §285.33 (c)(2) can be effective and should enhance grass growth and stabilize the existing soil.

The slope at the expansion site is less steep than at the existing approved area and does not exceed the 15% limitation specified in 30 TAC §285.33 (c)(2)(B). Based on the site evaluation it is recommended that the irrigated areas be lightly landscaped and as appropriate by adding 4-6 inches of sandy-loam or loam over much of the area to provide the irrigation area with suitable soil for planting Bermuda grass. It is recommended that the individual irrigation spray areas be leveled to provide the individual area a slope of not more than 5%. Fill material required to accomplish this should not contain large rocks or debris and should meet soil Class II or III standards.

## **VI. System Upgrade Recommendation**

### *Treatment System*

It is proposed that the existing aerobic treatment system consisting of two each 1000 gpd Hydro-Action units be retained. These units have been previously approved consistent with 30 TAC §285.32 (b). Furthermore, the application of these systems was approved for use at the existing laundromat by the Comal County Engineers Office in 1998. Two additional Jet Treatment System 1000 gpd package aerobic treatment units are required to provide adequate biological treatment for the total wasteload. Flow from the gray water line will continue to be routed to the 3000 gallon settling tank and then will be rerouted to the existing sewage lift pump tank. Flow from the black-water line will continue to be received in the existing pump tank unit prior to entry to the lift pump tank. Two existing lift pumps will provide flow to the aerobic units equally by means of a new 4-Zone K-Rain Valve. Flows from the four aerobic units will be routed to the irrigation storage tanks (two each 1500 gallon tanks) where chlorine application will be made. As the settled sewage is discharged to the aerobic treatment units, Sodium Nitrate solution will be fed to the pump tank and thereby mixed and fed into the aerobic treatment units. The Sodium Nitrate feed will be set at 4 mg/l with the flow rate calculated based on the lift pump volume.

### *Surface Spray Irrigation*

The existing surface spray irrigation fields were designed consistent with 30 TAC § 285.33 (c)(2) and will be retained. Additional spray irrigation area shall be provided in conjunction with the new property purchased by Sawyer. This property is contiguous to and immediately to the North of the existing irrigation area. Modifications to the existing spray irrigation pumping and piping system will be required and will likewise be in accordance with 30 TAC 285.33 (c)(2). The irrigation fields will be separated into six zones consisting of four sprinkler heads to enhance even distribution of water. Each bank will be capable of distributing 15 gpm. A new 6-Zone K-



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Rain Valve will be used to divert the flow from the final tank to each bank of fields in an alternating fashion. Multiple (two) pumps will be provided for irrigation supply.

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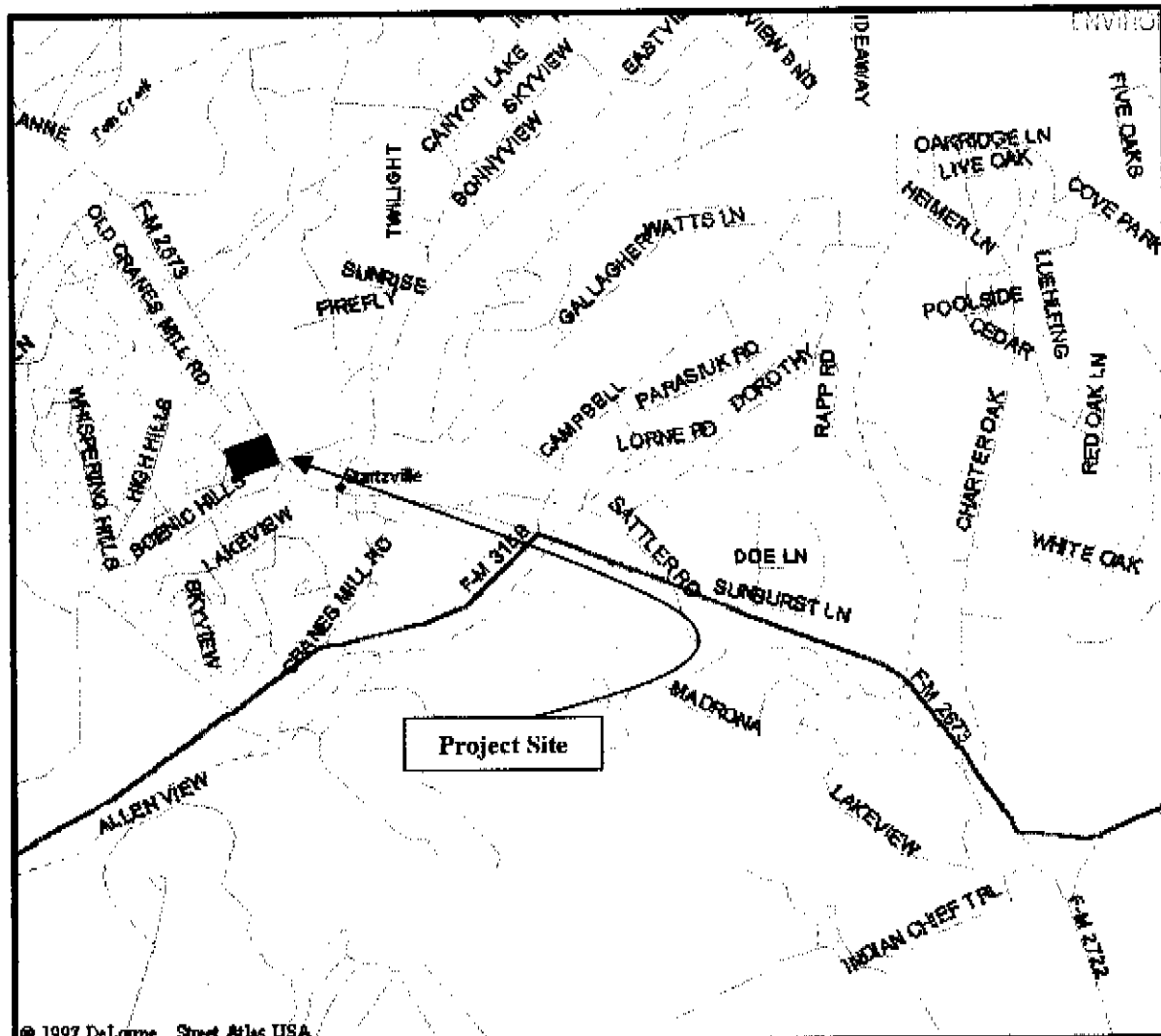
To facilitate the distribution of irrigation water, a new 2" Schedule 40 PVC line will carry treated water from the irrigation pump tank to the 6-Zone K-Rain valve in the middle of the irrigation fields. New 1" PVC lines will connect the 2" mains to the new sprinkler heads. New fields will be placed such that irrigation areas do not overlap. Sprinkler heads shall deliver 3 gpm at 40 psig with 30' radius spray. Berms may be placed downgradient of irrigation areas to prevent potential runoff of irrigation water. As indicated previously, individual spray areas should be leveled such that they do not exceed 5% slope. Fill material may be required to accomplish this recommended task as long as 4"-6" of Sandy Loam is placed over the fill material. The overall slope of the irrigation project site meets the 15% limitation without site grading or fill.

ENVIRONMENTAL HEALTH

**Sawyer Investments  
Startzville Laundromat Project Site  
General Location Map**

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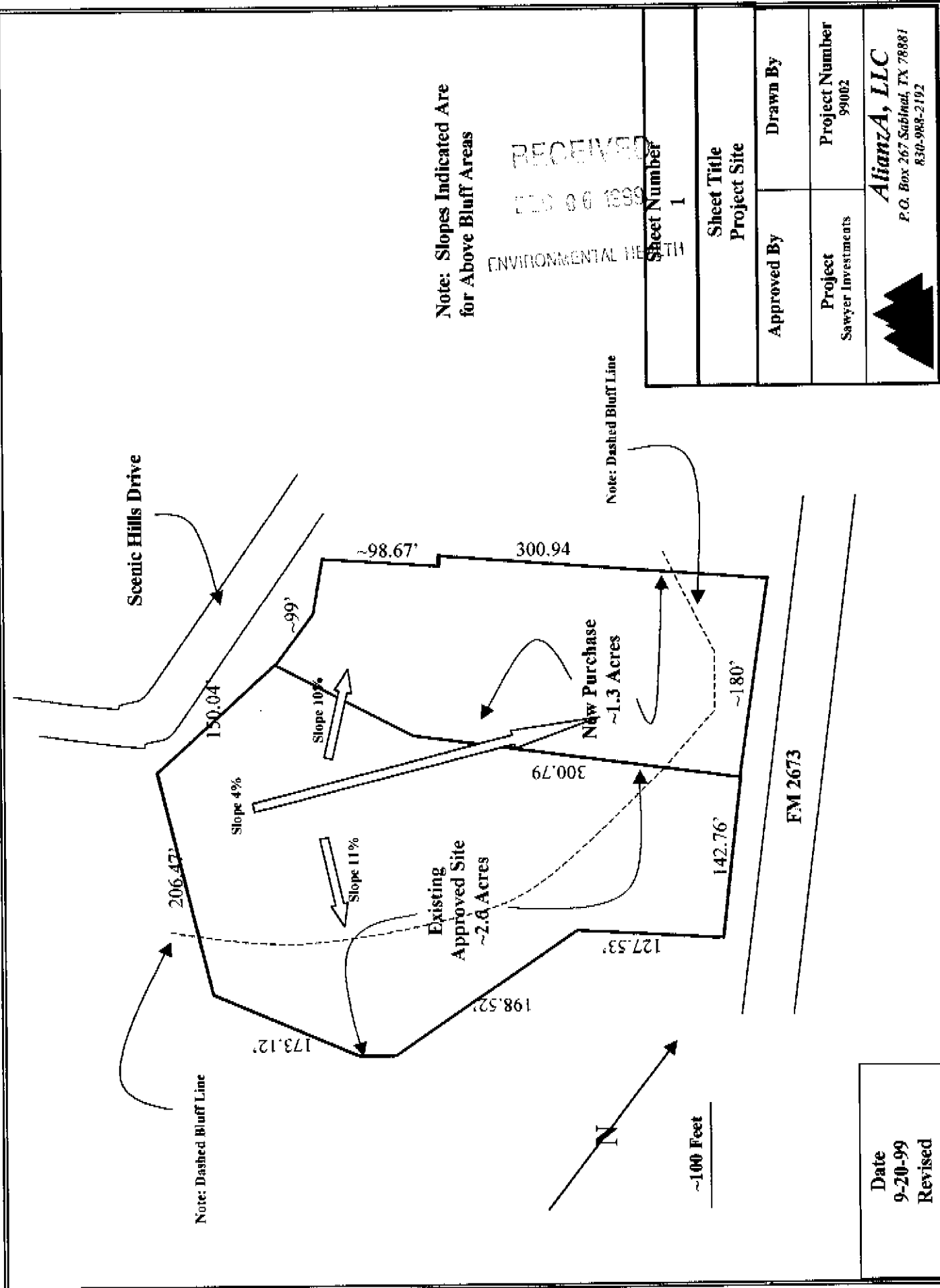
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Not to Scale




*Alianza, LLC*



Note: Slopes Indicated Are  
for Above Bluff Areas

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ENVIRONMENTAL HEALTH

Sheet Number	1
Sheet Title	Project Site
Approved By	Drawn By
Project Sawyer Investments	Project Number 99002
 <b>AlianzaA, LLC</b> P.O. Box 267 Sabinal, TX 78881 830-988-2192	

Date  
9-20-99  
Revised

Assumptions:

Domestic Waste (Apt 180g + Office 60 + Toilet 160) = 400 gpd  
Laundry Wastewater (100 loads/day X 35 g/load) = 3500 gpd  
Total Volume = 3900 gpd  
Domestic BOD mg/l = 200  
Laundry BOD mg/l = 250  
Irrigation Standard = 0.064g/sq.ft./d  
Existing Irrigation Area = 26,563 sq.ft.

Organic Loading:

Domestic 8.34 X 200mg/l X 400g X 10<sup>-6</sup> = 0.67 #/day  
Laundry 8.34 X 250mg/l X 3600g X 10<sup>-6</sup> = 7.5 #/day  
Total Organic Loading  
7.5 + 0.67 = 8.2 #/day

Nitrogen Feed System (for 20 gallon storage)

Mix 2.5 kg NaNO<sub>3</sub> (Sodium Nitrate) with 20 gallons Water  
Approximately 479,452 mg Nitrogen per 20 gallons = 6,375 mg/l-N  
Requirement for CNP ratio of 100:5:1 = Additional 4 mg/l from study  
Feed Rate for NaNO<sub>3</sub> = (4 mg/l / 6,375 mg/l) 5.4 gpm = 12.7 ml/min

Hydraulic Requirements:

Treatment Influent  
3500 gpd + 400 gpd = 3900 gpd  
3900/(12 X 60) S X 1.5 safety = 40 gpm Peak Rate  
3900/(12 X 60) = 5.4 gpm Average Rate  
Irrigation Demand  
Irrigation Pump = 15 gpm @ 40psig @ sprinkler  
Operating Time 3900g/15 gpm = 260 minutes = 4.3 hours  
Storage Requirement (30 TAC \$285.34(b) - Multiple Pumps

4 hours X 60 X 5.4 gpm = 1296 gallons above alarm level  
Existing Storage Tank = 3000 gallons  
Set Alarm level at 57% of maximum tank level  
Pump Level Controls to be set below mid-tank level (50%) Tank Depth

Irrigation Area Required:

3900 gpd/0.064 g/sq.ft./d = 60,937 sq.ft. = 1.4 acres Required  
Use 24 areas @ 30' Radius = 68,558 sq ft = 1.6 ac  
Note: Use six fields @ ~0.27 acres each.

ENVIRONMENTAL HEALTH

11-24-99

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Sheet Number  
2R

Sheet Title  
Design Calculations

Approved By  
Drawn By

Project  
Sawyer Investments

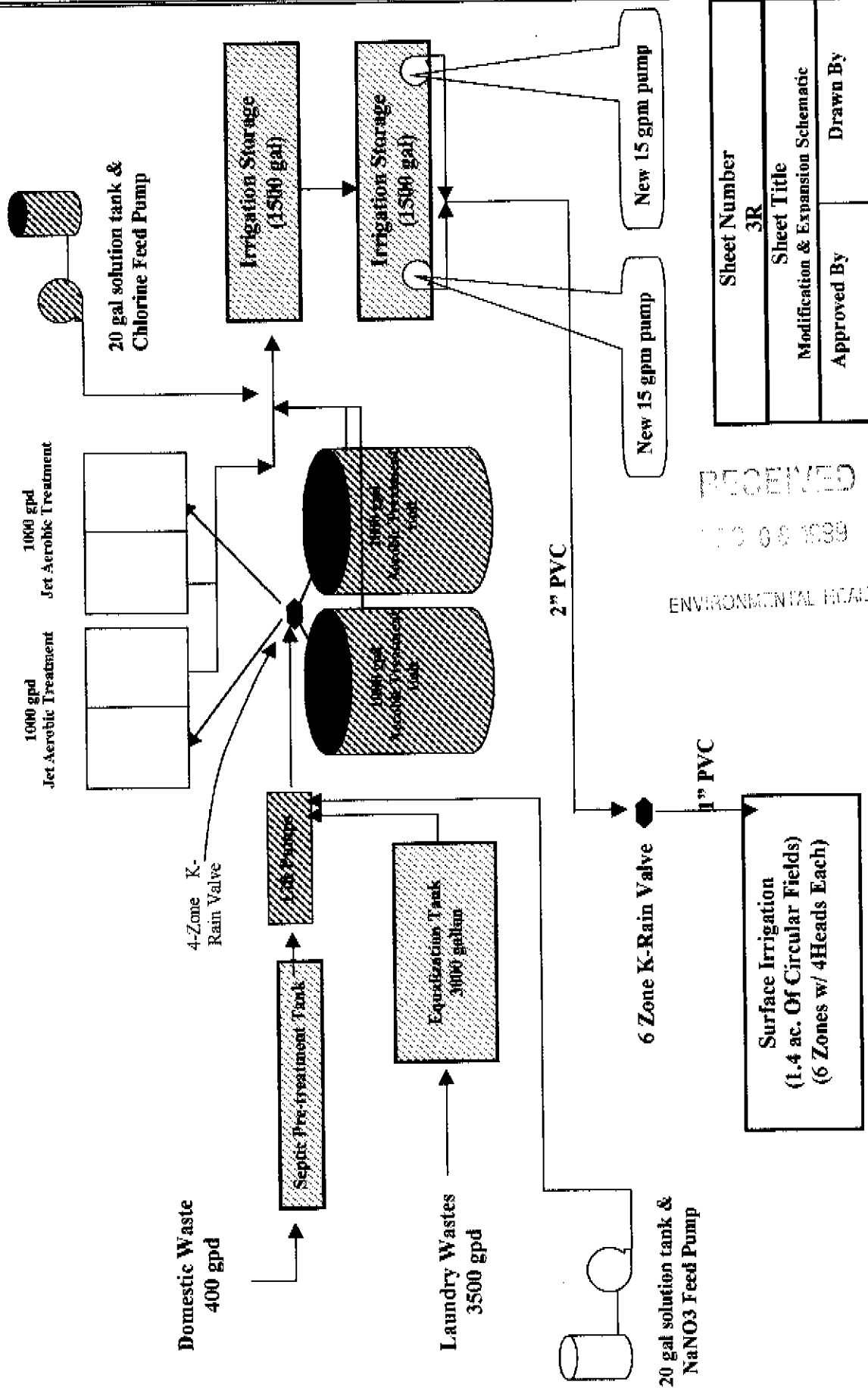
Project Number  
99002



**Alianza, LLC**

P.O. Box 267 Sabinal, TX 78881  
830-988-2192

Date  
11-24-99  
Revised



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**Legend**

Existing System

New Expansion/Routing

Flow Diversion Valves

Sheet Number	3R
Sheet Title	Modification & Expansion Schematic
Approved By	Drawn By
Project	Project Number
Sawyer Investments	99002
<b>Alianza, LLC</b> P.O. Box 267 Subtrial, TX 78881 830-988-2192	

Date  
 12-2-99  
 Revised


# Estimated Contractor List of New Major System Components\*

No.	Item Description	Units
1.	Jet Package Plant with Hydraulic Capacity 1000gpd each	2 ea
2.	Irrigation Pumps - 15 gpm @ 40 psig at Sprinkler Head	2 ea
3.	6-Zone K-Rain Valve	1 ea
4.	4-Zone K-Rain Valve	1ea
5.	Irrigation Spray Heads - 30'radius @ 3gpm @ 40 psig	24 ea
6.	Site Grading & Planting of Rye & Bermuda Grass or Irrigation	~35,000 sq..ft.
7.	Terrace Berms to prevent runoff - Optional	~750 ft
8.	Schedule 40 PVC @ 2 " diameter @ 1' depth	500 ft
9.	Schedule 40 PVC @ 1/4" diameter @ 1' depth	1000 ft
10.	Plant Site Preparation and Plant Fencing	Job
11.	Sandy Loam for Irrigation Area	620 cu..yds.
12.	Miscellaneous Electrical	Job
13.	Yard Piping	100 ft
14.	Nitrate-nitrogen solution peristaltic pump & 20gal tank	Job
15.	Fill Material to level irrigation area	As Required

\* Contractor required to verify existing components and modify only as may be consistent with 30 TAC §285

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Date  
12-2-99

Sheet Number 4R	
Sheet Title Major New Enuiment Components	
Approved By	Drawn By
Project Sawyer Investments	Project Number 99082
 <b>Alianza, LLC</b> P.O. Box 267 Sabinal, TX 78881 830-988-2192	




Project Area  
~3.9 Acres

From USGS Startzville Quad Sheet  
20' Contour Intervals

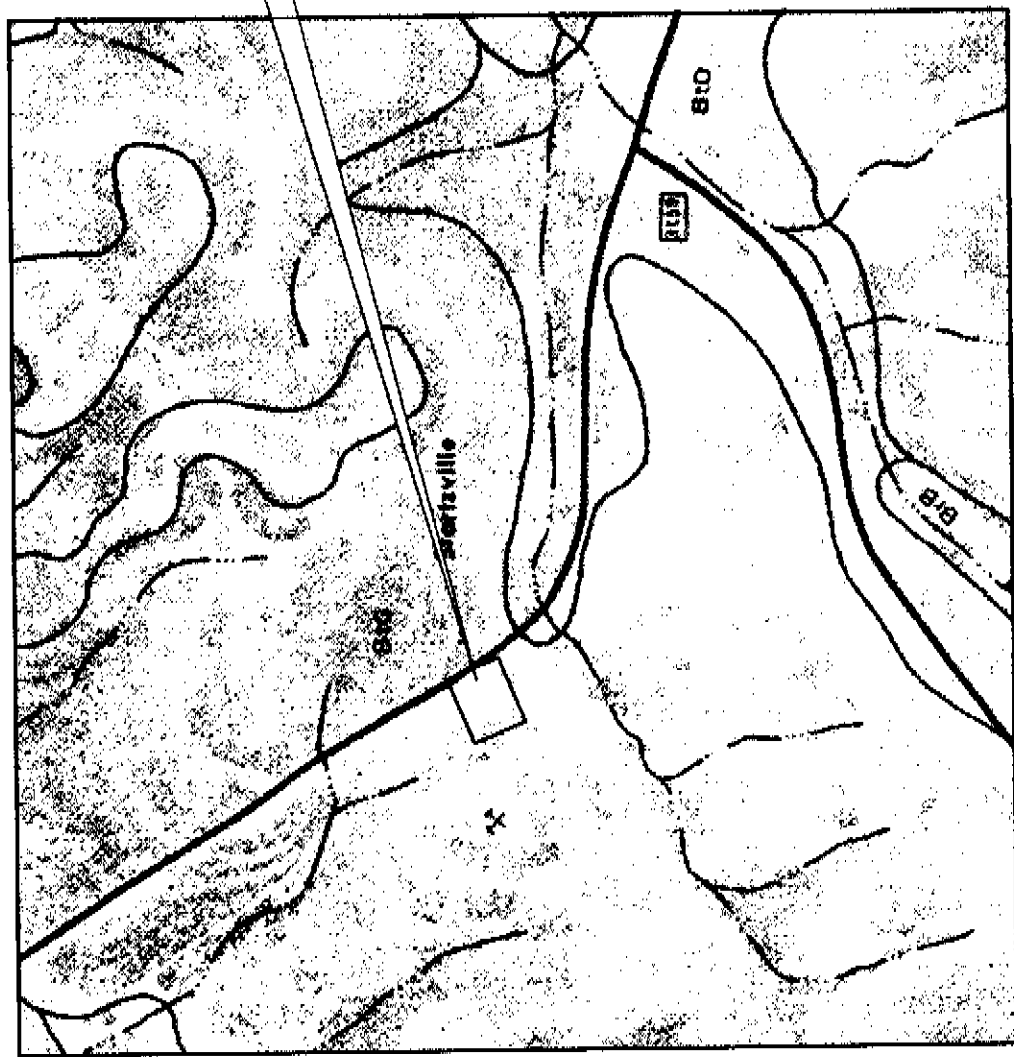
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Sheet Number 5	
Sheet Title Topographic	
Drawn By	Approved By
Project Sawyer Investments	Project Number 99002
 <b>AlianzaA, LLC</b> P.O. Box 267 Sabinal, TX 78881 830-988-2192	

Date  
9-20-99



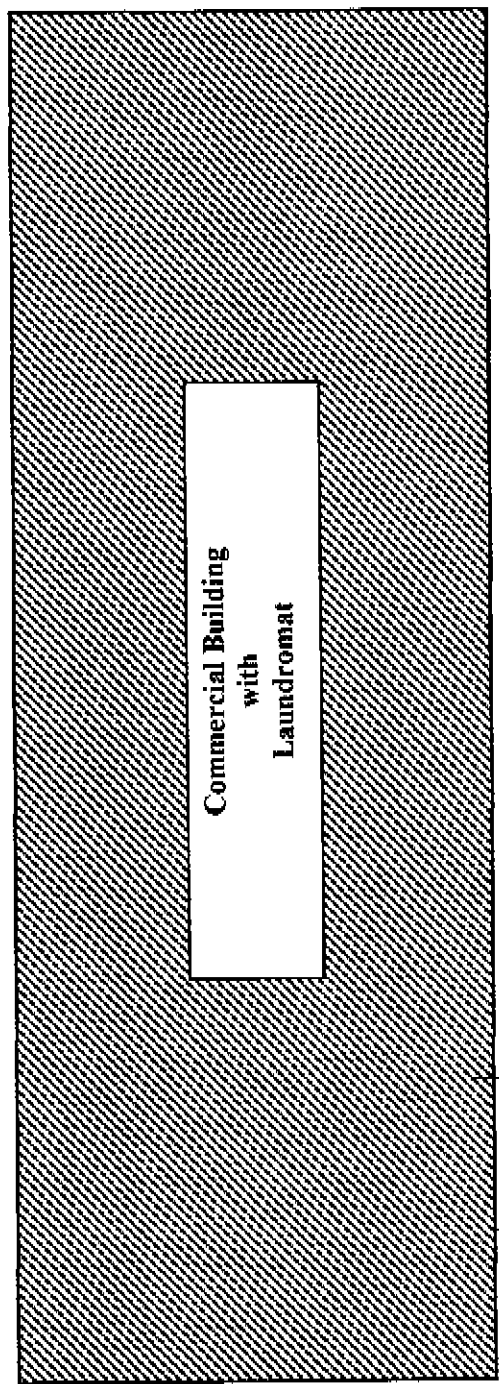
Project Area  
3.6 Acres

From Soil Survey of Comal and Hays Counties

Sheet Number 6	
Sheet Title Soil Survey Map	
Drawn By	Approved By
Project Sawyer Investments	Project Number 99002
 <b>AlianzaA, LLC</b> P.O. Box 267 Sabinal, TX 78881 830-988-2192	

Date  
9-17-99





Legend	
	Settling Tank (1500 gal)
	Settling Tank (3000 gal)
	Pump Tank
	Aerobic Plants
	3000 Gallon Final Storage
	Propane Storage

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Approximate Scale  
 40 Feet

Date  
 12-2-99  
 Revised

Sheet Number 7R	
Sheet Title Treatment Facilities Layout Detail	
Approved By	Drawn By
Project Sawyer Investments	Project Number 99002
 <b>Alianza, LLC</b> P.O. Box 267 Sabinal, TX 78881 830-988-2192	

# OSSF INSPECTION CHECKLIST

## General Information

Subdivision Scenic Heights Permit # 80526  
 Installer Graham System Type Aerobic Preliminary \_\_\_\_\_  
 Valid License ✓

## SETBACKS

Water Line ✓ ft Property Line ✓ ft Water Well ✓ ft

## STANDARD SYSTEM (LPD/SOIL SUB)

### INFORMATION

First Inspection: Date: 7 Feb 88  
 Number of Trenches \_\_\_\_\_ Width \_\_\_\_\_ ft  
 Type of System \_\_\_\_\_

### Grades-

#### Trench 1

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

#### Lengths

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

#### Trench 2

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

Passed \_\_\_\_\_ Failed \_\_\_\_\_

#### Trench 3

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

Reason: \_\_\_\_\_

### Tank Inspection

Manufacturer 2/1500G

Size \_\_\_\_\_

Four inch pad ✓

Inlet \_\_\_\_\_

Outlet \_\_\_\_\_

Fall \_\_\_\_\_

Treat Tank  
200 TRASH  
TANKS

2 exist / 2 Green tank

## Second Inspection: Date \_\_\_\_\_

### Trench 1

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

### Trench 2

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

### Trench 3

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

Passed \_\_\_\_\_

Failed \_\_\_\_\_

Reason: \_\_\_\_\_

### Acceptable Materials:

Gravel Onsite \_\_\_\_\_

Sand Onsite \_\_\_\_\_

Geo-textile \_\_\_\_\_

Pipe Specs. 1. \_\_\_\_\_ 2. \_\_\_\_\_

## Low Pressure Dosing

1. Trench at proper depth \_\_\_\_\_
2. Correct pipe hole count \_\_\_\_\_
3. Pump operational \_\_\_\_\_
4. Two-foot head pressure \_\_\_\_\_
5. Alarm Operational \_\_\_\_\_

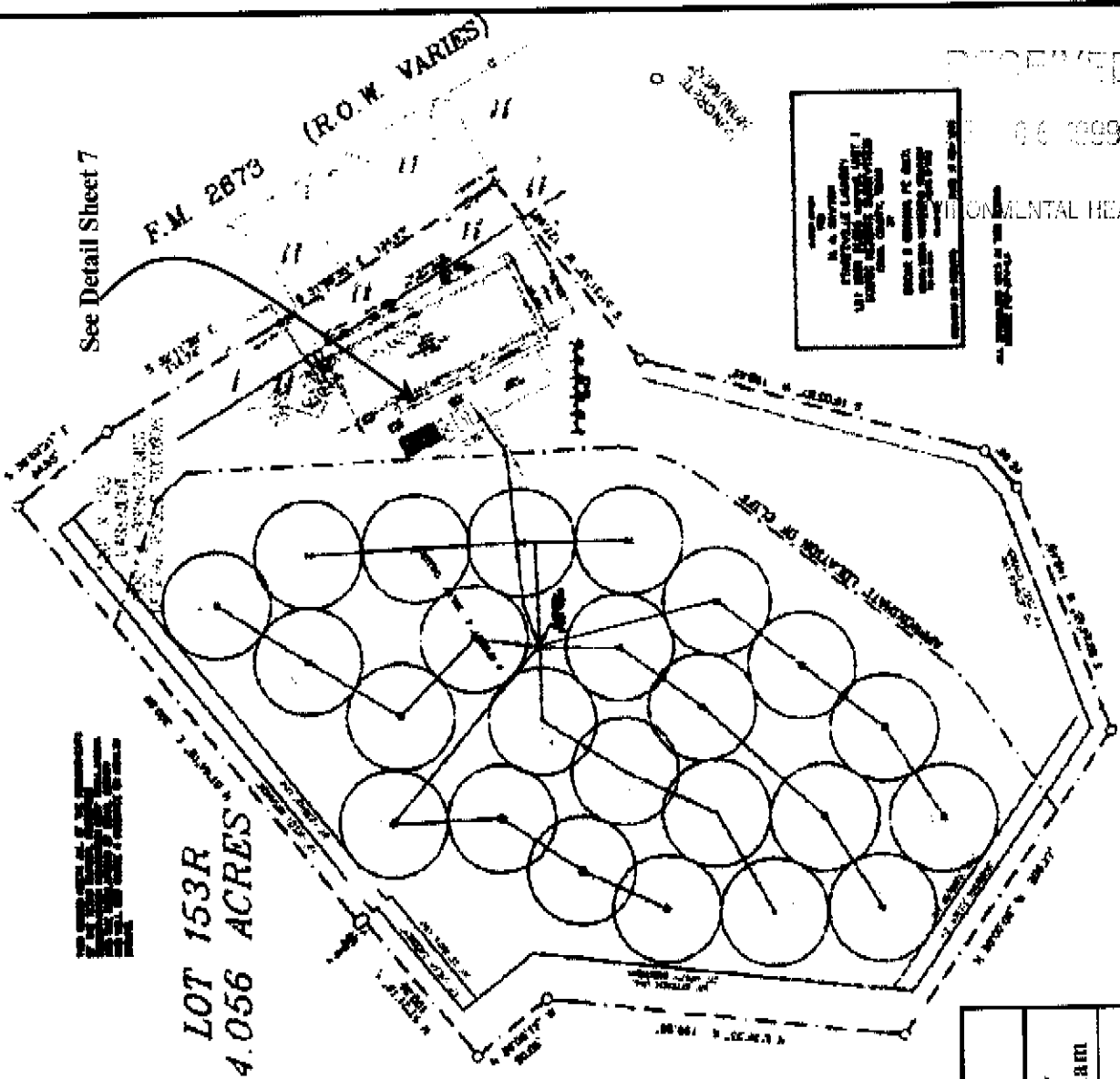
## Aerobic Treatment Plant

1. Pump operational ✓
2. Aerator operational ✓
3. Alarm operational ✓
4. Chlorine tabs \_\_\_\_\_
5. Sprayers 24/62/4ea
6. Maintenance Agrmt \_\_\_\_\_
7. Affidavit \_\_\_\_\_

## Third Inspection Date: 7 Feb 88

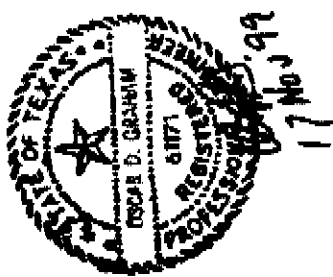
1. Covered ✓
2. Seeded (if called for) \_\_\_\_\_

John J. Cedio  
 System Approved  
 John J. Cedio  
 Environmental Health Inspector



ALL RIGHTS  
 RESERVED  
 BY  
 THE  
 ENGINEER  
 FOR  
 THE  
 PROJECT  
 NO. 153R-99

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Sheet 8			
Jet Treatment & Irrigation Layout			
Designed By	Drawn By		
David Graham	David Graham		
Project	Date		
Sawyer Investments	11-24-99		

# POLLUTION CONTROL SERVICES

## REPORT OF SAMPLE ANALYSIS

To: Ken Cave  
Alianza, LLC.  
PO Box 690767  
San Antonio, TX 78269-0767

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SAMPLE INFORMATION			LABORATORY INFORMATION			
Project Name:	Startzville Laundry		PCS Sample #:	80823		
Sample ID:	Wastewater		Date Received:	08/27/1999		
Date Taken:	08/27/1999		Time Received:	12:30		
Time Taken:	comp		Report Date:	09/07/1999		

TEST DESCRIPTION	SAMPLE		ANALYZED		ANALYST'S	METHOD
	RESULT	UNITS	DATE	TIME	INITIALS	USED
pH	9.2	S.U.	08/27/1999	12:40	BW	SM 4500-H+ B
BOD5 (Industrial)	253	mg/L	08/27/1999	12:40	BW	SM 5210 B
Total Suspended Solids	130	mg/L	08/27/1999	15:10	BW	SM 2540 D
Phosphorus, Total	4.34	mg/L	09/03/1999	10:20	JB	SM 4500-P;B/D
Conductivity, Specific	690	umhos/cm	08/31/1999	10:00	JB	EPA 120.1
Ammonia-N (ISE)	1.1	mg/L	08/27/1999	16:10	BW	SM 4500-NH3 D

QUALITY ASSURANCE DATA						
TEST DESCRIPTION	M.D.L.	PRECISION	LIMIT	LCL	RECOVERY	UCL
pH	N/A	N/A	N/A	N/A	N/A	N/A
BOD5 (Industrial)	1	<1	10	181	197	212
Total Suspended Solids	1	<1	10	N/A	N/A	N/A
Phosphorus, Total	0.01	2	10	77	90	115
Conductivity, Specific	1	N/A	N/A	N/A	N/A	N/A
Ammonia-N (ISE)	0.1	<1	10	94	103	112

APPROVED BY:

CHUCK WALLGREN

# POLLUTION CONTROL SERVICES

LAB NUMBER  
**80823**

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## Single Sample Analysis Request Form & Chain of Custody

Company/Customer Name: <u>Flange</u>		Attention: <u>Ken Carl</u>	Telephone: _____	FAX: _____
--------------------------------------	--	----------------------------	------------------	------------

<b>SAMPLE INFORMATION</b> (Please complete all items as they pertain to your sample)				
Sample Collection	<input type="checkbox"/> Grab	Sample Date: <u>8-26-99</u>	Sample Time: _____	Collected By: <u>Mrs. Sawyer</u>
	<input checked="" type="checkbox"/> Composite	Start Date: <u>8-26-99</u>	End Date: <u>8-26-99</u>	<input type="checkbox"/> Time/Equal Portion or <input type="checkbox"/> Flow Weighted
Sample Identification	Start Time: _____	End Time: _____	<input type="checkbox"/> 3 Part <input type="checkbox"/> 6 Part <input type="checkbox"/> 12 Part <input type="checkbox"/> 24 Hour	Project Name: <u>Startzville Landfill</u>
	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Domestic	<input type="checkbox"/> Sludge	Project Number: _____
	<input type="checkbox"/> Water	<input checked="" type="checkbox"/> Industrial	<input type="checkbox"/> Influent <input type="checkbox"/> Effluent	Project Location: _____
	<input type="checkbox"/> Surface	<input type="checkbox"/> Stream	<input type="checkbox"/> Lake	Commercial Carrier ID Number: _____
	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Well Water	<input type="checkbox"/> Monitor Well	Comments/Precautions/Special Instructions: <u>Compositing - 4 portion - same individual portion</u>

Field Parameters	pH: _____	S.U. _____	Chlorine Res: _____	mg/l _____	D.O. _____	Sp. Cond. _____	unhos/cm @ 25 C _____
Sample Preservation	<input checked="" type="checkbox"/> Cool 4°	<input type="checkbox"/> HNO3-Mix	<input type="checkbox"/> H2SO4-COD	<input type="checkbox"/> FOG	<input type="checkbox"/> Nutrients	<input type="checkbox"/> Phenol	<input type="checkbox"/> Other: _____

<b>ANALYSIS REQUEST</b> Check analysis desired below. (See Schedule of Services for other available analysis.)	
<b>GENERAL CHEMISTRY</b>	<b>METALS</b> <input type="checkbox"/> Total <input type="checkbox"/> Dissolved
<input checked="" type="checkbox"/> pH	<input type="checkbox"/> Ag <input type="checkbox"/> Hg <input type="checkbox"/> Sr
<input checked="" type="checkbox"/> BOD5	<input type="checkbox"/> Al <input type="checkbox"/> K <input type="checkbox"/> Ti
<input type="checkbox"/> CBOD5	<input type="checkbox"/> As <input type="checkbox"/> Mg <input type="checkbox"/> V
<input type="checkbox"/> TSS	<input type="checkbox"/> Ba <input type="checkbox"/> Mn <input type="checkbox"/> Zn
<input type="checkbox"/> VSS	<input type="checkbox"/> Be <input type="checkbox"/> Mo <input type="checkbox"/>
<input type="checkbox"/> MLSS	<input type="checkbox"/> Ca <input type="checkbox"/> Na <input type="checkbox"/>
<input checked="" type="checkbox"/> VMLSS	<input type="checkbox"/> Cd <input type="checkbox"/> Ni <input type="checkbox"/>
<input type="checkbox"/> NH3N	<input type="checkbox"/> Cr <input type="checkbox"/> Pb <input type="checkbox"/>
<input type="checkbox"/> NO3N	<input type="checkbox"/> HexCr <input type="checkbox"/> Sb <input type="checkbox"/>
<input type="checkbox"/> NO2N	<input type="checkbox"/> Cu <input type="checkbox"/> Se <input type="checkbox"/>
<input type="checkbox"/> TKN	<input type="checkbox"/> Fe <input type="checkbox"/> Sn <input type="checkbox"/>
<input checked="" type="checkbox"/> TPO4P	<input type="checkbox"/> w/ Coliform
	<input type="checkbox"/> w/o Coliform

<b>REQUIRED TURNAROUND:</b>	<b>EXPEDITE:</b> (See Surcharge Schedule)
<input checked="" type="checkbox"/> Routine (6-10 days)	<input type="checkbox"/> < 8 Hrs. <input type="checkbox"/> 24 Hrs. <input type="checkbox"/> 48 Hrs. <input type="checkbox"/> 3-5 days
<input type="checkbox"/> Routine BTX/TPH (48 Hrs.)	<input type="checkbox"/> 24 Hr. RUSH <input type="checkbox"/> Delayed 3-5 days

<b>FINAL SAMPLE DISPOSITION:</b>	<input type="checkbox"/> Sanitary Sewer	<input type="checkbox"/> Return to client	<input type="checkbox"/> Hold for client pickup
Relinquished By: <u>Ken Carl</u>	Date: <u>8-27-99</u>	Time: <u>12:30</u>	Received By: <u>Ken Carl</u>
Relinquished By: _____	Date: _____	Time: _____	Received By: _____

80526

Doc# 9906029427

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NOV 02 1999

## AFFIDAVIT TO THE PUBLIC

ENVIRONMENTAL HEALTH

THE COUNTY OF COMAL  
STATE OF TEXASJEAN SAWYER +  
MARY ANN SAWYER

Before me, the undersigned authority, on this day personally appeared November 1, 1999, who after being duly sworn, upon oath states that he is the owner of record of that certain tract or parcel of land lying and being situated in Comal County, Texas, and being more particularly described as follows:

LOT 153R SCENIC HEIGHTS  
UNIT 1

The undersigned further states that he will, upon any sale or transfer of the above-described property, request a transfer of the permit to operate such surface application system to the buyer or transferee. Any buyer or transferee is hereby notified that a maintenance contract with an approved maintenance company will be required for use of the system.

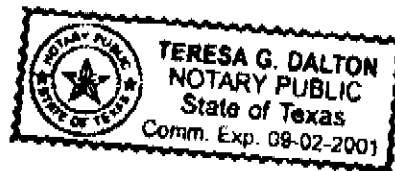
Mary Ann Sawyer  
Property Owner

Jean Sawyer  
Property Owner

This instrument was acknowledged before me on this 1st day of November, 1999

Teresa G. Dalton  
Notary Public, State of Texas

Notary's Printed Name: Teresa G. Dalton  
My Commission Expires: 09-02-2001



Doc# 9906029427  
# Pages 1  
11/01/99 04:29:32 PM  
Filed & Recorded in  
Official Records of  
COMAL COUNTY  
JOY STREETER  
COUNTY CLERK  
Fees \$9.00

Doc# 9906029427

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P.O. Box 1284 B. Ave., Texas 78006 • 830-249-8099

## Jet Home Plant Service Policy

This agreement entitles: OWNER Sawyer Investments, Attn: Mary Ann Sawyer  
STREET Hyw 2673  
CITY Canyon Lake STATE TX ZIP 78133  
PHONE 830-964-2657

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to the following service for 2 year(s) from the date of initial installation or upon expiration of existing contract.

Upon receipt of this signed agreement and \$1,080.00, SOUTH TEXAS WASTEWATER TREATMENT agrees to perform the following services during the term of this agreement.

Inspect the Jet Plants with aerator No. \_\_\_\_\_ three times a year. These inspections will include:

### PLANT SERVICE

- \* Removal of aeration unit, inspection, adjustment, cleaning of aerator's shaft, field service of aeration unit, if needed, and re-installation.
- \* Examination of final effluent for color and odor.
- \* Inspection of control panel setting and overload protection, if there is access at time of inspection.
- ★ Inspect irrigation pump, chlorinator, sprinkler heads, and test  $Cl_2$  level and report conditions.

### EMERGENCY SERVICE

- \* There will be no charge for emergency service calls.
- \* There will be no service or labor charges for removal or re-installation of the aerator, if required.
- \* If improper operation cannot be corrected at time of service, homeowner will be notified immediately and given estimated date of correction.
- \* If necessary the entire mechanical unit or any part will be replaced according to the manufacturer's warranty program.

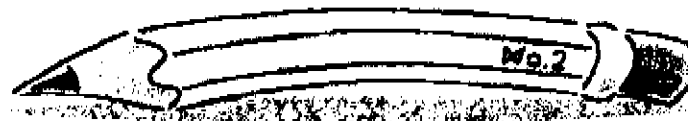
Freight charges to the factory or to an authorized repair station and aerator repair charges are not covered under this agreement.

This Service agreement expires two years from date of installation of plant.

Mary Ann Sawyer 12/6/99  
Owner's Signature Date

David D. Graham November 27, 1999  
Accepted for South Texas Wastewater Treatment Date

12/6/99



**Sawyer Investments**  
14325 River Rd.  
Canyon Lake, Tx 78132  
830-964-2657 ☐ FAX 830-964-2935

Date: 12/8/99

Time:

Attn: Betty Luen

Fax Number: 830-608-2009

Company: Connel County

Number of pages including this cover sheet: 3

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.





Sawyer Investments  
14325 River Rd.  
Canyon Lake, Tx 78132  
830-964-2657 [1] FAX 830-964-2935

Date: 12/8/99

Time: 830-608-2009

Attn: Brenda

**Fax Number:**

Company: Comal County

Number of pages including this cover sheet: 2

[illegible]

NEW BRAUNFELS TITLE CO.  
CANYON LAKE OFFICE  
GF # 53737

Doc# 9906025950

CASH WARRANTY DEED

6/1  
Date: September 21, 1999

Grantor: Wildman Ranch, Inc.

Grantor's Mailing Address (including county):

Wildman Ranch, Inc.  
P.O. Box 114  
Somerset, Texas 78069  
Atascosa County

Grantee: Sawyer Investments LTD

Grantee's Mailing Address (including county):

Sawyer Investments, Ltd.  
14325 River Road  
Canyon Lake, Texas 78132  
Comal County

Consideration: TEN AND NO/100 DOLLARS and other good and valuable consideration.

Property (including any improvements):

TRACT I:

BEING all those certain tracts, pieces or parcels of land lying and being situated in Comal County, Texas being known and designated as Lots 153 and 154, SCENIC HEIGHTS, UNIT 1, according to map or plat thereof recorded in Volume 2, Page 35, Comal County, Texas Map and Plat Records.

TRACT II:

BEING all that certain tract, piece or parcel of land lying and being situated in Comal County, Texas, being 1.14 acres of land, more or less out of the S. Findley Ewing tract, a 227.57 acre tract out of the 525.77 acre tract, part of the Max Heimer Survey No. 824, conveyed by S. Findley to Lakecroft Beach Estates, Incorporated by deed recorded in Volume 135, Pages 488-490, Comal County, Texas Deed Records, and being more particularly described by metes and bounds as follows:

BEGINNING at the East Corner of Lot 26, Scenic Heights, Unit 3, according to the

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OCT 19 1999  
COUNTY ENGINEER

plat of said Unit 3, recorded in Volume 4, Pages 73-76 of the Comal County, Texas Map and Plat Records;

THENCE with the Southwest line of F.M. 2673, S. 38 deg. 49' 30" E. 65 feet and S. 32 deg. 08' 39" E., 114.83 feet to the North corner of Lot 25 of said Unit 3;

THENCE with the Northwest line of Lot 25 of said Unit 3, S. 57 deg. 20' 26" W. 300.71 feet to the East Corner of Lot 154, Scenic Heights, Unit 1, according to the plat of said Unit 1, recorded in Volume 2, Page 35 of said Map and Plat Records;

THENCE, with the Northeast line of said Lot 154, N. 32 deg. 04' W. 97 feet to the East Corner of Lot 153 of said Unit 1;

THENCE with the Northeast line of Lots 153 and 152 of said Unit 1, N. 38 deg. 45' W., 53.38 feet to the South Corner of said Lot 26;

THENCE with the Southeast line of said Lot 26, N. 51 deg. 43' 29" E., 300.94 feet to the PLACE OF BEGINNING.

#### **Reservations From and Exceptions to Conveyance and Warranty:**

Easements, rights-of-way, and prescriptive rights, whether of record or not; all presently recorded instruments, other than liens and conveyances, that affect the property; taxes for the current year, the payment of which Grantee assumes; and subsequent assessments for the current and prior years due to change in land usage, ownership, or both, the payment of which Grantee assumes.

For Grantor and Grantor's successors and assigns, in common with Grantee and Grantee's successors, a reservation of the free, uninterrupted, and perpetual use of an easement over the passageway described in this paragraph and located on the property. This easement is located down street lines as recited in Vol. 2, page 35, Comal County, Texas Map and Plat Records, and Vol. 4, page 73-76, Comal County, Texas Map and Plat Records.

Subject to easement dated 10/3/66, Vol. 152, page 304-305, Comal County, Texas Deed Records to Pedernales Electric Cooperative, Inc.

Subject to maintenance assessment, utility easement, set-back lines, and all other restrictions, as recited in Vol. 229, page 462-464 and Corrected in Deed Vol. 229, page 826-828, Comal County, Texas Deed Records; and as recited in Vol. 148, page 275-277, and Vol. 247, page 441-443, Comal County, Texas Deed Records.

Subject to royalty reservation as recited in Vol. 229, page 462-464 and Corrected in Vol. 229, page 826-828, Comal County, Texas Deed Records.

Subject to visible and apparent easements, if any, affecting any portion of the above described tract. (1.14 acres)

Subject to title to any portion of the above described tract embraced within the bounds of any public road or highway traversing any part thereof.

462-64 and Vol. 229, pages 826-28, Comal County, Texas Deed Records on Lts. 153 and 154.

### SPECIAL PROVISIONS AND NOTICE TO THE PUBLIC

The following described easement shall be used only for the sale for Fireworks and/or pyrotechnics and activities related to all operations and facilities of a retail fireworks site: *meas. 153.*

A. Easement: Seller shall reserve, For Seller and Seller's successors and assigns, an exclusive, free uninterrupted and perpetual easement (the "Easement") over and upon that certain tract of land located on the Property which tract is more particularly identified and described as that tract of 100 ft. by 100 ft. shown on the attached map or plat of the property (the "Easement Tract") together with ingress to and from said Easement Tract to and from the public road by all means necessary or convenient to Seller, it successors, assigns, invites, guests and employees.

This easement, with its rights and privileges, shall be used only for the purposes of the construction, reconstruction, location, repair and maintenance of a building or buildings (whether fixed, permanent or temporary) on the Easement Tract (and all related appurtenances) and all necessary uses for the operation of a commercial business for retail sales and related customer and employee parking.

Buyer shall make no use of the Easement tract which impairs or in any way interferes with Seller's use of the Easement Tract for the purpose of the Easement or impedes access to and from the public road to and from the drainage ditches, roads curbs, walks, gardens, plantings, ponds or parking areas and other like uses and/or dedicate any and all part of the surface of the Easement Tract for public use of any kind.

B. Restrictive Covenant: The Property conveyed by Seller shall be restricted as follows.

1. No signs, buildings, fences, improvements, obstructions, or buildings of any kind whatsoever, either temporarily or permanently, shall be constructed or placed on the 1.429 acre tract at or near the 100 ft. by 100 ft. Area of Seller's retained Easement, that would obstruct the view or access from FM 2673 of Seller's 100' Easement Tract described in Exhibit C.
2. No part of the property conveyed by Seller shall ever be used for the storage, sale, and/or distribution of any fireworks or pyrotechnics as defined by Texas state and United States federal regulations other than the 100 ft. By 100 ft. Easement Tract.
3. No gasoline, butane, or propane pumps, storage facilities, pipelines, or any tanks shall be placed on the 1.429 acre tract that would prohibit Seller's use of its 100' by 100' Easement Tract described in Exhibit C for the sale,

storage, and/or distribution of any fireworks or pyrotechnics as defined by Texas state and United States federal regulations.

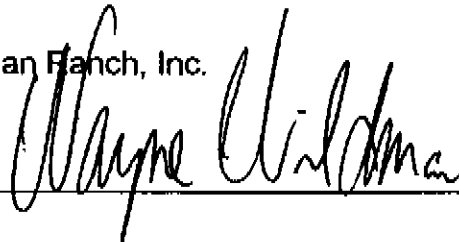
This restrictive covenant shall be binding on Buyer, its heirs, executors, successors and assigns, shall be a covenant running with the land and shall be enforceable by Seller, its successors and assigns, by injunctive relief, or by any other relief available at law or in equity. Said restrictive covenant shall be in perpetuity unless Seller, its successors or assigns, executes and files a release of such restrictive covenant in the Deed Records of Comal county, Texas. In the event of a dispute regarding the enforcement of any provision of said restrictive covenant, the party prevailing against the defaulting party shall recover from said defaulting party all attorney's fees, expenses, and cost of court expended with respect to any proceeding in law or in equity that would be required to enforce the restrictive covenant.

Grantor, for the consideration, receipt of which is acknowledged, and subject to the reservations from and exceptions to conveyance and warranty, grants, sells and conveys to Grantee the property, together with all and singular the rights and appurtenances thereto in any wise belonging, to have and hold it to Grantee, Grantee's heirs, executors, administrators, successors or assigns forever. Grantor binds Grantor and Grantor's heirs, executors, administrators and successors to warrant and forever defend all and singular the property to Grantee and Grantee's heirs, executors, administrators, successors and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof, except as to the reservations from and exceptions to conveyance and warranty.

When the context requires, singular nouns and pronouns include the plural.

Wildman Ranch, Inc.

By

A handwritten signature in dark ink, appearing to read "Wayne Wildman", is written over a horizontal line. The signature is cursive and stylized.

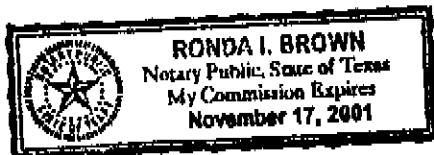
ACKNOWLEDGMENT

STATE OF TEXAS

§  
§  
§

COUNTY OF COMAL

This instrument was acknowledged before me on September 22, 1999,  
by WAYNE, WILDMAN of Wildman Ranch, Inc..



Ronda I. Brown  
Notary Public, State of Texas

PREPARED IN THE OFFICE OF:

Dwain W. Blaschke  
Attorney at Law  
P.O. Box 1744  
Canyon Lake, Texas 78130-1744  
(830) 964-4442

AFTER RECORDING RETURN TO:

New Braunfels Title Company  
1435 F.M. 2673  
Canyon Lake, Texas 78133  
(830) 907-3424



# Alianza

*A Certified "HUB Zone" Consulting Firm*

December 2, 1999

Comal County Office of Environmental Health  
Attention: Mr. Tom Hornseth, P.E., County Engineer  
195 David Jonas Drive  
New Braunfels, TX 78132-3760

Reference: Revised Plan for On-Site Sewage Facility  
Startzville Commercial Center & Laundromat System Remodel

Dear Mr. Hornseth:

Provided herewith is a copy of the revised design development plan for the treatment and disposal system. Recommendations contained in the report, as detailed in drawings, are based on operations study and on findings of sampling and analysis of the wastes generated by the commercial operations. They have also been guided by, and are consistent with, the requirements contained in 30 TAC §285.

A scaled detail of the treatment area behind the laundromat is provided in this revised submission. Please note that underground facilities have been identified and sited on the plan based on the owner's experience. It appears that there was no scaled site plan for the existing facilities. We strongly recommend that a detailed as-built drawing be provided by the contractor.

Mr. David Graham, P.E., of South Texas Wastewater Treatment is proposed as the contractor and will provide a maintenance agreement. Mr. Graham has scaled the plan sheet provided in the design development plan provided herewith.

If you have any questions, please feel free to contact us anytime.

Sincerely,

*Alianza, LLC*

Kenneth M. Cave  
General Manager

Enclosure

Copy: Mary Ann Sawyer

*Natural Resources*  
*Water Resources*  
*Water Quality*  
*NEPA Assessments*  
*NOI - Endangered Species*  
*Wildlife Management*  
*Phase I, II ESA's*  
*Archeology*  
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*Cultural Resources*  
*Civil Engineering*  
*Planning & Zoning*  
*Feasibility Studies*  
*Eco-Tourism*  
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*WPAP, SCS & LPST*  
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*Urban Hydrology*  
*I/I & SSES*  
*Storm Water Control*  
*Biosolids Planning*  
*IRP, INRP, BRAC*  
*ACUIZ, ICUZ*  
*Environmental Permitting*

---

**Alianza, LLC Managers**

**Kenneth M. Cave**  
P.O. Box 267  
Sabinal, TX 78881  
830-988-2192

**Gloria Tejada-Hagge**  
1985 Rolling Creek  
Spring Branch, TX 78070  
830-885-2298

**Russell L. Masters**  
P.O. Box 690767  
San Antonio, TX 78269  
210-695-4480

**Joaquin Rodriguez**  
13526 Volker Lane  
San Antonio, TX 78231  
210-479-1084

1. Site Evaluation, Design, and operational details need to be merged.
2. Overall schematic on how the existing and proposed area is to function.
3. Provide details on irrigation (ie zones, pumps, pipe sizes etc)

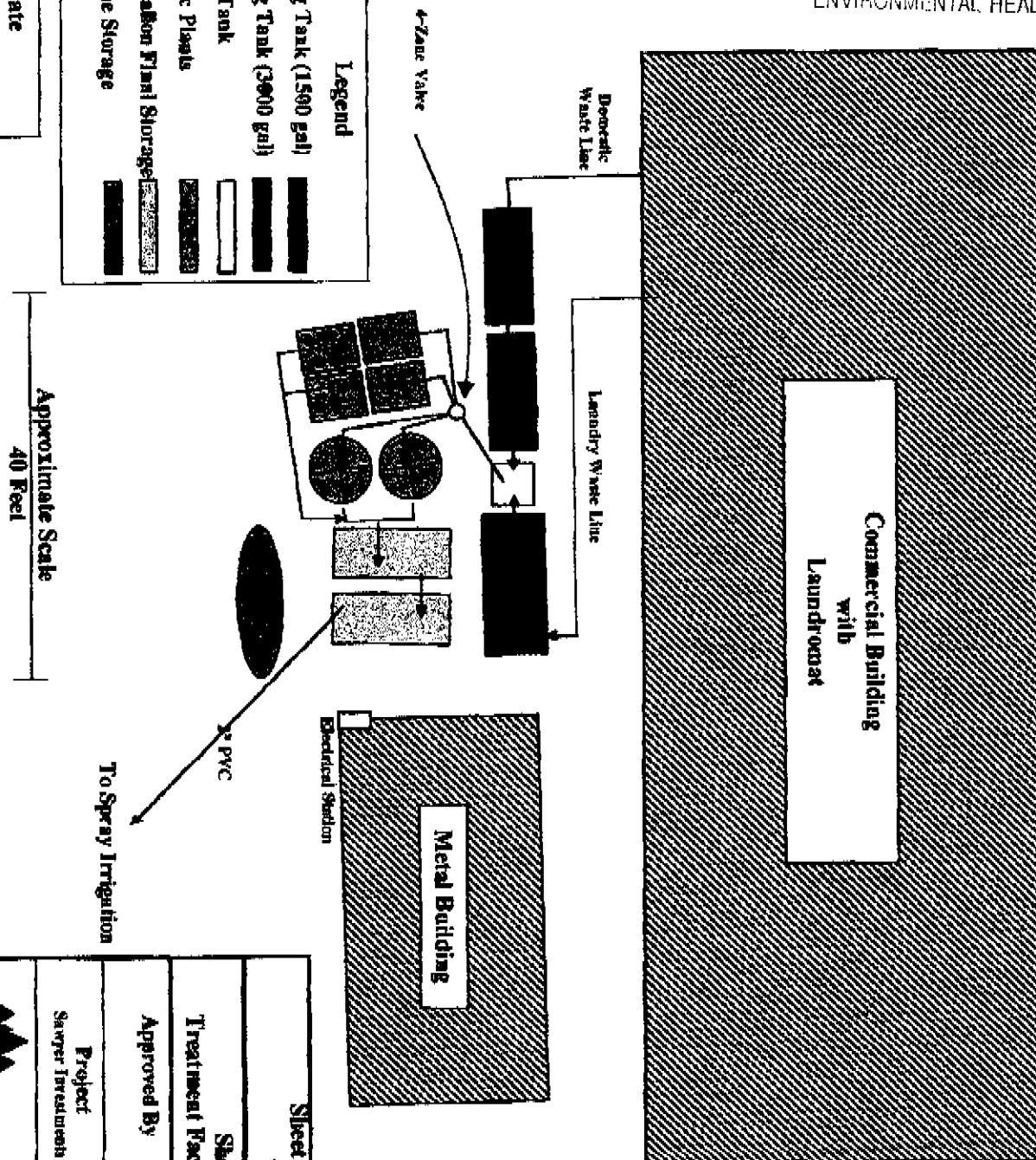
Gave above info. to Dave Graham  
12-01-99.



**REVISED****RECEIVED**

DEC 06 1999

ENVIRONMENTAL HEALTH



Date  
12-2-99  
Revised

Sheet Number  
7R

Sheet Title  
Treatment Facilities Layout Detail

Approved By

Drawn By

Project  
Sewer Treatment

Project Number  
99002



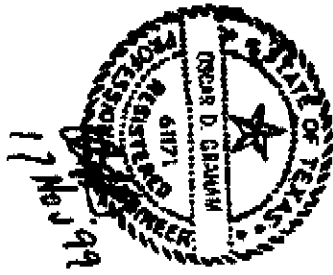
**Alianza, LLC**  
P.O. Box 267 Seabrook, TX 77851  
830-988-2192

REVISED  
80526

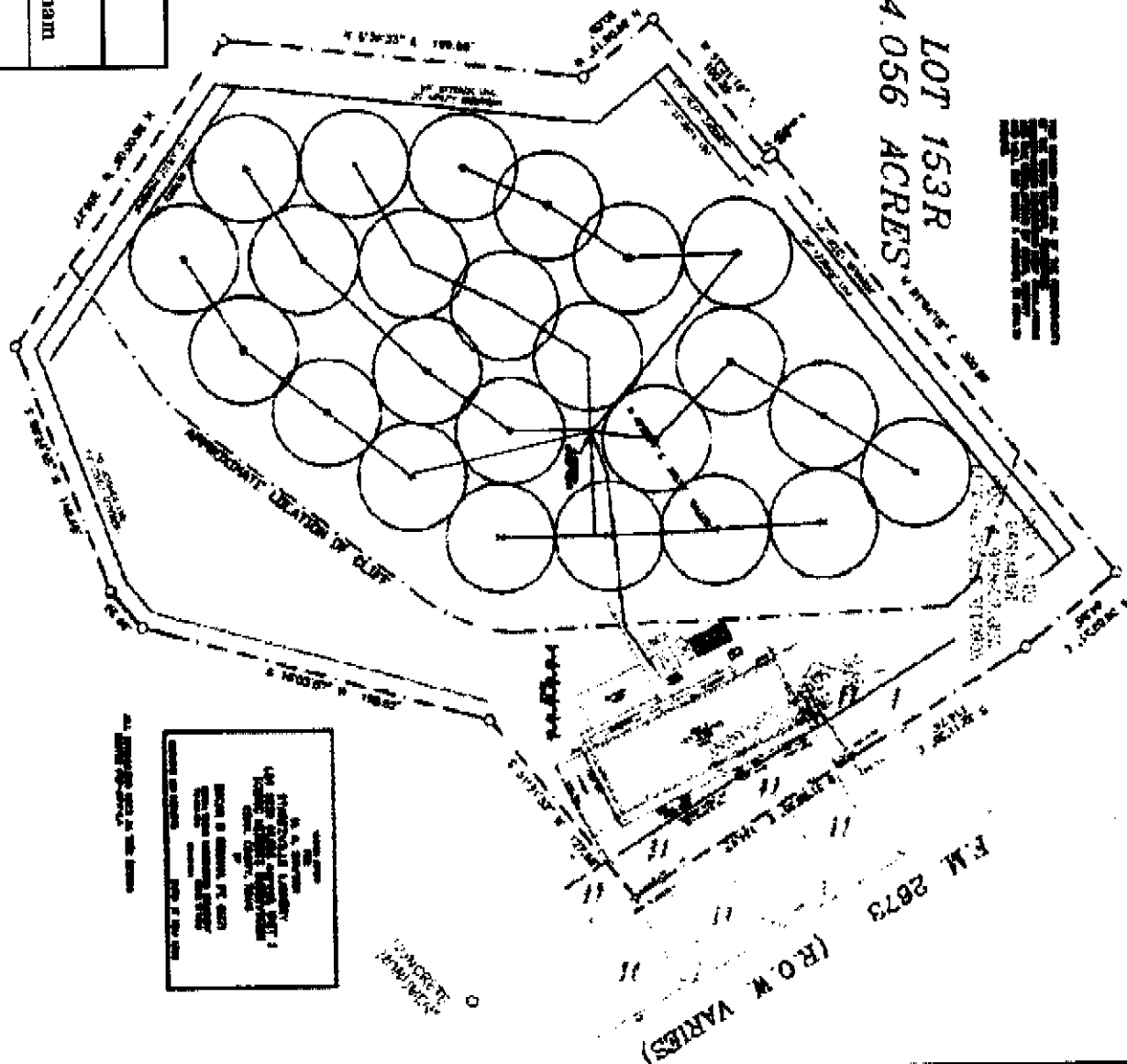
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NOV 29 1999

ENVIRONMENTAL HEALTH  
ENVIRONMENTAL HEALTH



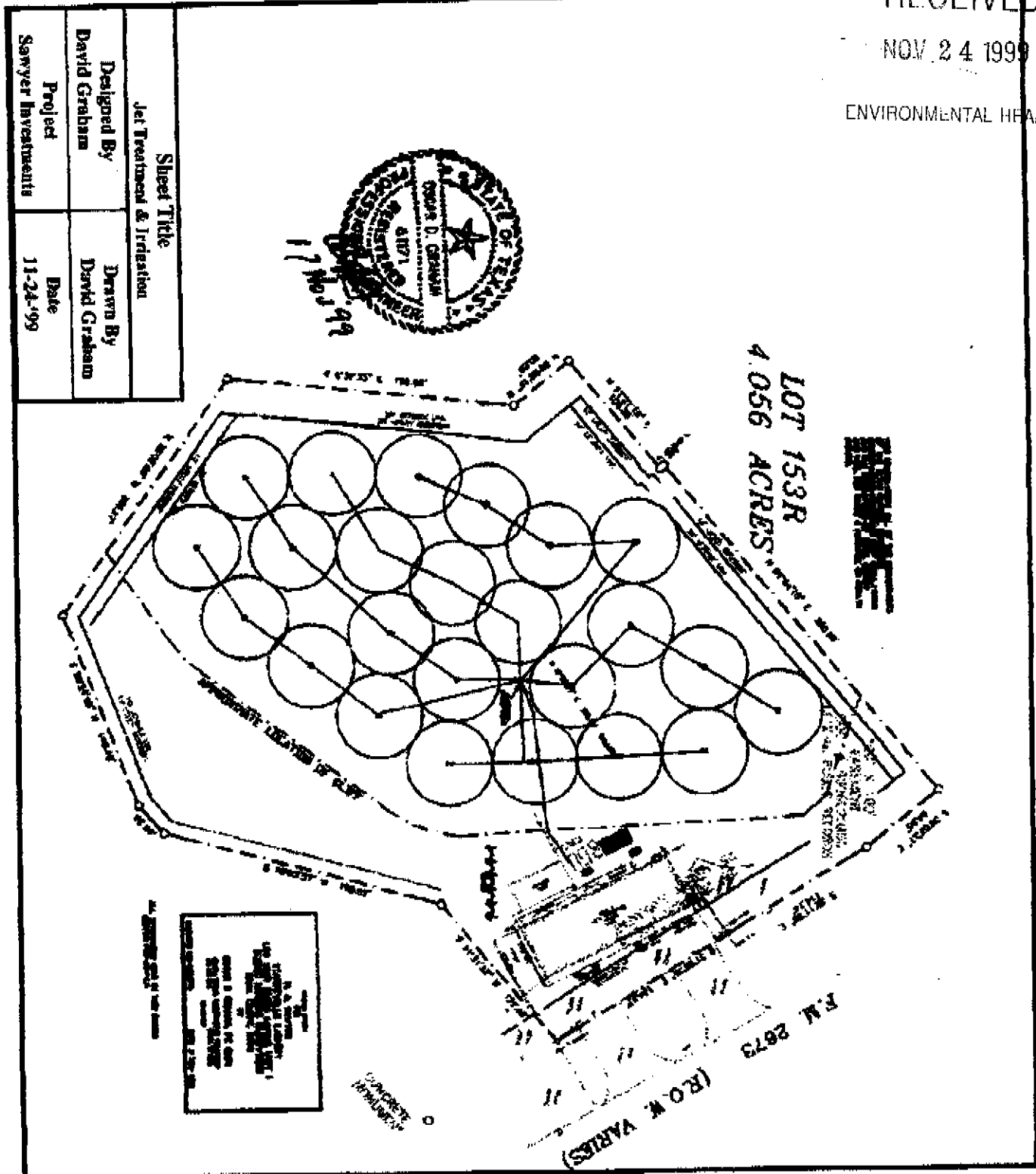
Sheet Title Jet Treatment & Irrigation	
Designed By David Graham	Drawn By David Graham
Project Sawyer Investments	Date 11-24-'99

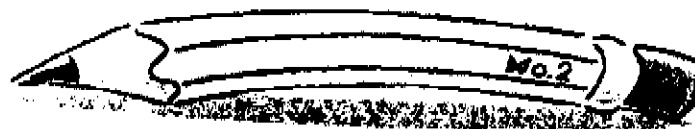


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NOV 24 1999

ENVIRONMENTAL HEALTH





Sawyer Investments  
14325 River Rd.  
Canyon Lake, Tx 78132  
830-964-2657 □ FAX 830-964-2935

Date: 11/1/99

Time: 6:25 PM

Attn: BRENNIA J. RITZEN

Fax Number: 830  
608-2009

Company: Comal County ENGINEER

Number of pages including this cover sheet: 2

AS PER YOUR REQUEST, PLEASE FIND  
FORTHCOMING SIGNED NOTARIZED + RECORDED  
AFFIDAVIT to the Public.

I WILL FORWARD A COPY OF THE MAINTENANCE  
AGREEMENT FROM THE SERVICE REPRESENTATIVE  
AS SOON AS POSSIBLE.

MARY ANN SAWYER

REVISED

Hydraulic Requirements:

Treatment Influent  
 $3500 \text{ gpd} + 400 \text{ gpd} = 3900 \text{ gpd}$   
 $3900 / (12 \times 60) \times 1.5 \text{ safety} = 40 \text{ gpm Peak Rate}$   
 $3900 / (12 \times 60) = 5.4 \text{ gpm Average Rate}$

Irrigation Demand  
 $15 \text{ gpm @ } 40 \text{ psig @ sprinkler}$   
 $260 \text{ minutes} = 4.3 \text{ hours}$   
 $3900 / (12 \times 60) = 5.4 \text{ gpm}$

Storage Requirement (30 TAC \$285.34/b) - Multiple Pumps

4 hours  $\times 60 \times 5.4 \text{ gpm} = 1296 \text{ gallons above alarm level}$   
 Existing Storage Tank = 3000 gallons  
 Set Alarm level at 57% of maximum tank level  
 Pump Level Controls to be set below mid-tank level (50%) Tank Depth

Assumptions:

Domestic Waste (Apt 180g + Office 60 + Toilet 160) = 400 gpd  
 Laundry Wastewater (100 loads/day  $\times 35 \text{ g/load}$ ) = 3500 gpd  
 Total Volume = 3900 gpd

Domestic BOD mg/l = 200  
 Laundry BOD mg/l = 250

Irrigation Standard = 0.064g/sq.ft./d  
 Existing Irrigation Area = 26,563 sq.ft.

Organic Loading:

Domestic  
 $8.34 \times 200 \text{ mg/l} \times 400 \text{g} \times 10^{-6} = 0.67 \text{ \# / day}$

Laundry  
 $8.34 \times 250 \text{ mg/l} \times 3600 \text{g} \times 10^{-6} = 7.5 \text{ \# / day}$

Total Organic Loading  
 $7.5 + 0.67 = 8.2 \text{ \# / day}$

Nitrogen Feed System (for 20 gallon storage)

Mix 2.5 kg  $\text{NaNO}_3$  (Sodium Nitrate) with 20 gallons Water  
 Approximately 479,452 mg Nitrogen per 20 gallons = 6,375 mg/l-N  
 Requirement for CNP ratio of 100:5:1 = Additional 4 mg/l from study

Feed Rate for  $\text{NaNO}_3 = (4 \text{ mg/l} / 6,375 \text{ mg/l}) \times 5.4 \text{ gpm} = 12.7 \text{ ml/min}$

Date  
 11-24-99  
 Revised

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NOV 24 1999

ENVIRONMENTAL HEALTH

Irrigation Area Required:

$3900 \text{ gpd} / 0.064 \text{ g/sq.ft./h} = 60,937 \text{ sq.ft.} = 1.4 \text{ acres Required}$   
 Use 24 acres @ 30' Radius = 68,558 sq ft = 1.6 ac

Note: Use six fields @ ~0.27 acres each.

Sheet Number

1

Sheet Title

Design Calculations

Approved By

Drawn By

Project

Sawyer Investments

Project Number

99002

Alianza, LLC

P.O. Box 267 Sabal, TX 76881  
 830-988-3192



# Alianza

*A Certified "HUB Zone" Consulting Firm*

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NOV 24 1999

November 24, 1999

Comal County Office of Environmental Health  
Attention: Mr. Tom Hornseth, P.E., County Engineer  
195 David Jonas Drive  
New Braunfels, TX 78132-3760

Reference: Additional Information Submittal & Revisions  
Sawyer Investments Laundromat at Startzville

Dear Mr. Hornseth:

Enclosed please find a revised calculation sheet indicating storage adequacy for the irrigation system and a revised system layout sheet. Also, please note that Sawyer Investments will contract with David Graham of South Texas Wastewater Treatment to build and maintain the system. Mr. Graham and I have worked together in the past and based on experience should do a fine job. He plans to use a Jet aerobic system, a State Approved System, in the expansion. Additionally he has suggested that 24 each 30' radius spray areas be used in lieu of the 10 each 47' radius areas as previously suggested. Mr. Graham has sealed the design for that layout and modification. If an original sealed design sheet is required at a different scale, please contact Mr. Graham at (800) 86-WASTE. I would think that an "As Built" design would be better for your permanent files and could be submitted upon completion of construction. The current maintenance agreement is still in force until some time in March. Mr. Graham is forwarding a new maintenance agreement to Sawyer that will subsequently be sent to your office.

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Thank you for your assistance and if you or Brenda have any questions, please feel free to contact us anytime.

Sincerely,

*Alianza, LLC*

Kenneth M. Cave  
Senior Scientist/General Manager

Enclosures (2)

Copy: Mary Ann Sawyer

## Alianza, LLC Managers

*Kenneth M. Cave*  
P.O. Box 267  
Sabinas, TX 78881  
830-988-2192

*Gloria Tejeda-Huggo*  
1985 Rolling Creek  
Spring Branch, TX 78070  
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P.O. Box 690767  
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210-695-4480

*Joaquin Rodriguez*  
13526 Volker Lane  
San Antonio, TX 78231  
210-479-1034

Natural Resources

Water Resources

Water Quality

NEPA Assessments

NOI - Endangered Species

Wildlife Management

Phase I, II ESA's

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VI & SSES

Storm Water Control

Biosolids Planning

IRP, INRP, BRAC

ACUIZ, ICUZ

Environmental Permitting

**Alianza****RECEIVED**

NOV 24 1999

**FAX MEMO**

ENVIRONMENTAL HEALTH

**To:** Sawyer Copy (Tom Hornseth P.E. / Brenda Ritzen)  
**FAX No.:** 830-608-2009  
**From:** Ken Cave  
**Subject:** Sawyer Laundromat - Startzville  
**Date:** 11-24-'99  
**Pages:** 4 Including Cover

---

Tom/Brenda

The attached letter and drawings are in the mail to you. I hope this advances the project to an approvable stage. After you have had a chance to look over this material, please feel free to call.

  
Ken Cave  
General Manager

---

**P.O. Box 267--Sabinal, Texas 78881**  
**Telephone (830) 988-2192--Fax (830) 988-3197**  
***alianza@peppersnet.com***

**Alianza**

---

## FAX MEMO

**To:** Tom Hornseth P.E. / Brenda Ritzen  
**FAX No.:** 830-608-2009  
**From:** Ken Cave  
**Subject:** Sawyer Laundromat - Startzville  
**Date:** 11-24-'99  
**Pages:** 4 Including Cover

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Ken Cave  
General Manager

---

*P.O. Box 267—Sabinal, Texas 78881  
Telephone (830) 988-2192—Fax (830) 988-3197  
alianza@peppersnet.com*





Assumptions:

Domestic Waste (Apt 180g + Office 60 + Toilet 160) = 480 gpd  
Laundry Wastewater (100 loads/day X 35 g/load) = 3500 gpd  
Total Volume = 3980 gpd  
Domestic BOD mg/l = 240  
Laundry BOD mg/l = 250  
Irrigation Standard = 0.064g/sq.ft./d  
Existing Irrigation Area = 26,563 sq.ft.

Organic Loading:

Domestic 8.34 X 200mg/l X 400g X 10<sup>-6</sup> = 0.67 #/day  
Laundry 8.34 X 250mg/l X 3600g X 10<sup>-6</sup> = 7.5 #/day

Total Organic Loading

7.5 + 0.67 = 8.2 #/day

Nitrogen Feed System (for 20 gallon storage)

Mix 2.5 kg NaNO<sub>3</sub> (Sodium Nitrate) with 20 gallons Water  
Approximately 479,452 mg Nitrogen per 20 gallons = 6,375 mg/l-N  
Requirement for CNP ratio of 100:5:1 = Additional 4 mg/l from study

Feed Rate for NaNO<sub>3</sub> = (4 mg/l / 6,375 mg/l) 5.4 gpm = 12.7 ml/min

Date  
11-24-99  
Revised

Hydraulic Requirements:

Treatment Inflow  
3500 gpd + 480 gpd = 3980 gpd  
3900/(12 X 60) 5 X 1.5 safety = 40 gpm Peak Rate  
3900/(12 X 60) = 5.4 gpm Average Rate  
Irrigation Demand  
Irrigation Pump = 15 gpm @ 40psig @ sprinkler  
Operating Time 3900g/15 gpm = 260 minutes = 4.3 hours  
Storage Requirement (30 TAC \$285,346) - Multiple Pumps

4 hours X 60 X 5.4 gpm = 1296 gallons above alarm level  
Existing Storage Tank = 3000 gallons  
Set Alarm level at 57% of maximum tank level  
Pump Level Controls to be set below mid-tank level (50%) Tank Depth

Irrigation Area Required:

3900 gpd/9.064 g/sq.ft./d = 60,937 sq.ft. = 1.4 acres Required  
Use 24 areas @ 30' Radius = 68,558 sq ft = 1.6 acres

Note: Use six fields @ ~0.27 acres each.

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NOV 24 1999

ENVIRONMENTAL HEALTH

Sheet Number	1
Sheet Title	Design Calculations
Approved By	Drawn By
Project	Project Number
Sawyer Investments	99082



**Allianza, LLC**

P.O. Box 267 Sabinal, TX 78861  
830-988-2192



# Alianza

## RECEIVED

*A Certified "HUB Zone" Consulting Firm*

NOV 24 1999

November 24, 1999

Comal County Office of Environmental Health  
Attention: Mr. Tom Hornseth, P.E., County Engineer  
195 David Jonas Drive  
New Braunfels, TX 78132-3760

Reference: Additional Information Submittal & Revisions  
Sawyer Investments Laundromat at Startzville

Dear Mr. Hornseth:

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Sincerely,

*Alianza, LLC*

Kenneth M. Cave  
Senior Scientist/General Manager

Enclosures (2)

Copy: Mary Ann Sawyer

### ENVIRONMENTAL HEALTH *Natural Resources*

*Water Resources*

*Water Quality*

*NEPA Assessments*

*NOI - Endangered Species*

*Wildlife Management*

*Phase I, II ESA's*

*Archeology*

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*IT & SSES*

*Storm Water Control*

*Biosolids Planning*

*IRP, INRP, BRAC*

*ACUIZ, ICUIZ*

*Environmental Permitting*

### Alianza, LLC Managers

*Kenneth M. Cave*  
P.O. Box 267  
Sabinal, TX 78881  
830-988-2192

*Gloria Tajada-Hagge*  
1945 Rolling Creek  
Spring Branch, TX 78070  
830-885-2298

*Russell L. Masters*  
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San Antonio, TX 78269  
210-695-4480

*Joaquin Rodriguez*  
13526 Volker Lane  
San Antonio, TX 78231  
210-479-1084

**Alianza**

---


## FAX MEMO

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**From:** Ken Cave  
**Subject:** Sawyer Laundromat - Startzville  
**Date:** 11-24-'99  
**Pages:** 4 Including Cover

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Ken Cave  
General Manager

---

**P.O. Box 267—Sabinal, Texas 78881**  
**Telephone (830) 988-2192—Fax (830) 988-3197**  
***alianza@peppersnet.com***



# Alianza

## RECEIVED

NOV 24 1999

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November 24, 1999

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Attention: Mr. Tom Hornseth, P.E., County Engineer  
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Kenneth M. Cave  
Senior Scientist/General Manager

Enclosures (2)

Copy: Mary Ann Sawyer

### ENVIRONMENTAL HEALTH

*Natural Resources*

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*ACUEZ, ICUEZ*

*Environmental Permitting*

### Alianza, LLC Managers

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Sahuarita, TX 78881  
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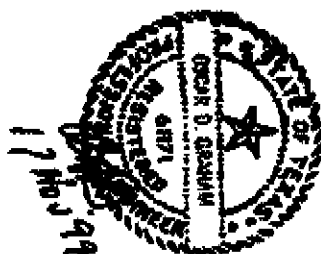
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13526 Volker Lane  
San Antonio, TX 78231  
210-479-1884

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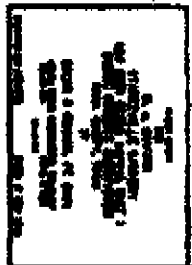
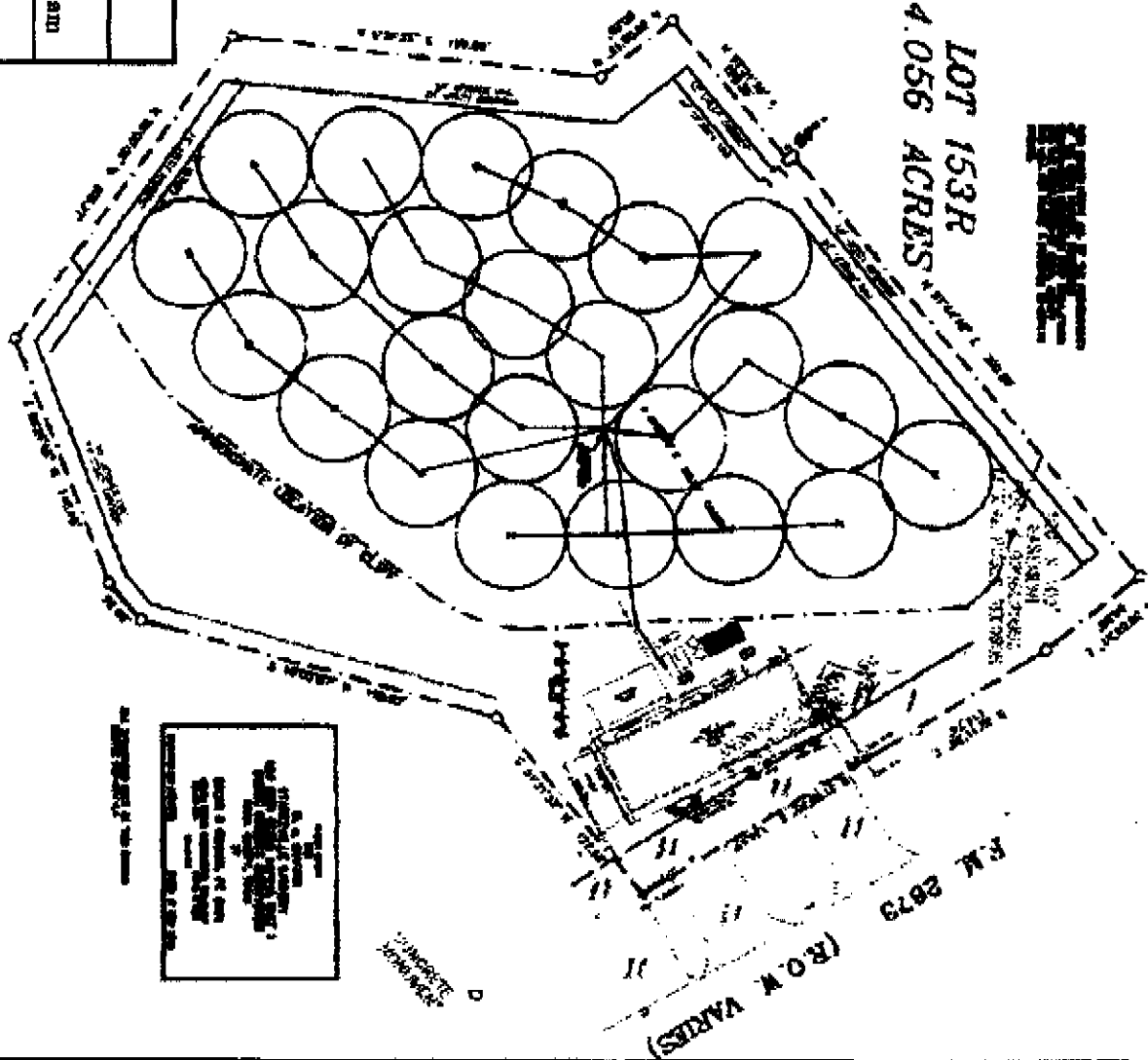
NOV 24 1999

ENVIRONMENTAL HEALTH

Sheet Title	
Jet Treatment & Irrigation	
Designed By	Drawn By
David Graham	David Graham
Project	Date
Sawyer Investments	11-24-99



17 Nov 99

LOT 153R  
4.056 ACRES

**Assumptions:**

Domestic Waste (Appl 180g + Office 60 + Toller 160) = 400 gpd  
 Laundry Wastewater (100 loads/day X 35 g/load) = 3500 gpd  
 Domestic BOD mg/l = 200  
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Total Organic Loading  
 $7.5 + 0.67 = 8.2 \text{ \# / day}$

**Nitrogen Feed System (for 20 gallon storage)**

Mix 2.5 kg  $\text{NaNO}_3$  (Sodium Nitrate) with 20 gallons Water  
 Approximately 479,452 mg Nitrogen per 20 gallons = 6,375 mg/l-N  
 Requirement for CNP ratio of 100:5:1 = Additional 4 mg/l from study  
 Feed Rate for  $\text{NaNO}_3$  =  $(4 \text{ mg/l} / 6,375 \text{ mg/l}) \times 5.4 \text{ gpm} = 12.7 \text{ ml/min}$

Date  
 11-24-99  
 Revised

**Hydraulic Requirements:**

Treatment Inflow:  
 3500 gpd + 400 gpd = 3900 gpd  
 3900 / (12 X 60) 5 X 1.5 safety = 40 gpm Peak Rate  
 3900 / (12 X 60) = 5.4 gpm Average Rate  
Irrigation Demand  
 Irrigation Pump = 15 gpm @ 40psi @ sprinkler  
 Operating Time 3900g/15 gpm = 260 minutes = 4.3 hours  
Storage Requirement (30 TAC \$285,340) - Multiple Pumps  
 4 hours X 60 X 5.4 gpm = 1296 gallons above alarm level  
 Existing Storage Tank = 3000 gallons  
 Set Alarm level at 57% of maximum tank level  
 Pump Level Controls to be set below mid-tank level (50%) Tank Depth

**Irrigation Area Required:**

3900 gpd @ 0.064 g/sq. ft./d = 60,937 sq. ft. = 1.4 acres Required  
 Use 24 acres @ 30' Radius = 68,558 sq ft = 1.6 ac  
 Note: Use six fields @ ~0.27 acres each

Sheet Number	1
Sheet Title	Design Calculations
Approved By	Drawn By
Project	Project Number
Sanjay Investments	99002



**AllianceA, LLC**  
 P.O. Box 267 Sabinal, TX 78481  
 830-988-3192

RECEIVED  
 NOV 24 1999  
 ENVIRONMENTAL HEALTH

**Assumptions:**

Domestic Waste (Apt 180g + Office 60 + Toilet 160) = 400 gpd  
 Laundry Wastewater (100 loads/day X 35 g/load) = 3500 gpd  
 Total Volume = 3900 gpd  
 Domestic BOD mg/l = 200  
 Laundry BOD mg/l = 250  
 Irrigation Standard = 0.064g/sq.ft./d  
 Existing Irrigation Area = 26,563 sq.ft.

**Organic Loading:**

Domestic  
 $8.34 \times 200 \text{ mg/l} \times 400 \text{ g} \times 10^{-6} = 0.67 \text{ \#/day}$

Laundry  
 $8.34 \times 250 \text{ mg/l} \times 3600 \text{ g} \times 10^{-6} = 7.5 \text{ \#/day}$

Total Organic Loading  
 $7.5 + 0.67 = 8.2 \text{ \#/day}$

**Nitrogen Feed System (for 20 gallon storage)**

Mix 2.5 kg NaNO<sub>3</sub> (Sodium Nitrate) with 20 gallons Water  
 Approximately 479,452 mg Nitrogen per 20 gallons = 6,375 mg/l-N  
 Requirement for CNP ratio of 100:5:1 = Additional 4 mg/l from study  
 Feed Rate for NaNO<sub>3</sub> = (4 mg/l / 6,375 mg/l) 5.4 gpm = 12.7 ml/min

**Hydraulic Requirements:**

Treatment Influent  
 3500 gpd + 400 gpd = 3900 gpd  
 3900/(12 X 60) 5 X 1.5 safety = 40 gpm Peak Rate  
 3900/(12 X 60) = 5.4 gpm Average Rate

Irrigation Demand  
 Irrigation Pump = 15 gpm @ 40psig @ sprinkler  
 Operating Time 3900g/15 gpm = 260 minutes = 4.3 hours

Storage Requirement (30 TAC S285.34(b) - Multiple Pumps

4 hours X 60 X 5.4 gpm = 1296 gallons above alarm level  
 Existing Storage Tank = 3000 gallons  
 Set Alarm level at 57% of maximum tank level  
 Pump Level Controls to be set below mid-tank level (50%) Tank Depth

**Irrigation Area Required:**

3900 gpd/0.064 g/sq.ft./d = 60,937 sq.ft. = 1.4 acres Required  
 Use 24 areas @ 30' Radius = 68,558 sq ft = 1.6 ac

Note: Use six fields @ ~0.27 acres each.

Sheet Number	29	RECEIVED
Sheet Title	Design Calculations	80626
Approved By	TH	Drawn By
Project	Sawyer Investments	Project Number
		99002

Date  
 11-24-99  
 Revised



**Alianza, LLC**  
 P.O. Box 267 Subinet, TX 78881  
 830-968-2192

**REVISED**





1. Site Evaluation, Design, and operational details need to be merged.
2. Overall schematic on how the existing and proposed area is to function.
3. Provide details on irrigation (ie zones, pumps, pipe sizes etc)

Gave above info. to Dave Graham  
12-01-99.



# Alianza

RECEIVED

NOV 29 1999

COUNTY ENGINEER

*A Certified "HUB Zone" Consulting Firm*

November 24, 1999

Comal County Office of Environmental Health  
Attention: Mr. Tom Hornseth, P.E., County Engineer  
195 David Jonas Drive  
New Braunfels, TX 78132-3760

Reference: Additional Information Submittal & Revisions  
Sawyer Investments Laundromat at Startzville

Dear Mr. Hornseth:

Enclosed please find a revised calculation sheet indicating storage adequacy for the irrigation system and a revised system layout sheet. Also, please note that Sawyer Investments will contract with David Graham of South Texas Wastewater Treatment to build and maintain the system. Mr. Graham and I have worked together in the past and based on experience should do a fine job. He plans to use a Jet aerobic system, a State Approved System, in the expansion. Additionally he has suggested that 24 each 30' radius spray areas be used in lieu of the 10 each 47' radius areas as previously suggested. Mr. Graham has sealed the design for that layout and modification. If an original sealed design sheet is required at a different scale, please contact Mr. Graham at (800) 86-WASTE. I would think that an "As Built" design would be better for your permanent files and could be submitted upon completion of construction. The current maintenance agreement is still in force until some time in March. Mr. Graham is forwarding a new maintenance agreement to Sawyer that will subsequently be sent to your office.

We believe that the questions raised by Brenda regarding facilities placement on a surveyed layout and storage adequacy have been addressed by the content of this submittal. The maintenance agreement is in the mail. Therefore, we would request that your office authorize the initiation of construction as soon as possible. It is desirable to complete the project before the end of 1999.

Thank you for your assistance and if you or Brenda have any questions, please feel free to contact us anytime.

Sincerely,

*Alianza, LLC*

Kenneth M. Cave  
Senior Scientist/General Manager

Enclosures (2)

Copy: Mary Ann Sawyer

*Natural Resources*  
*Water Resources*  
*Water Quality*  
*NEPA Assessments*  
*NOI - Endangered Species*  
*Wildlife Management*  
*Phase I, II-ESA's*  
*Archeology*  
*Historical Surveys*  
*Cultural Resources*  
*Civil Engineering*  
*Planning & Zoning*  
*Feasibility Studies*  
*Eco-Tourism*  
*Architecture*  
*EARZ - Geology*  
*WPAP, SCS & LPST*  
*Water Availability*  
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*Wastewater Treatment*  
*Urban Hydrology*  
*IT & SSES*  
*Storm Water Control*  
*Biosolids Planning*  
*IRP, INRP, BRAC*  
*ACUIZ, ICUZ*  
*Environmental Permitting*

***Alianza, LLC Managers***

***Kenneth M. Cave***  
P.O. Box 267  
Sabal, TX 78881  
830-988-2192

***Gloria Tejada-Hagge***  
1985 Rolling Creek  
Spring Branch, TX 78070  
830-885-2298

***Russell L. Masters***  
P.O. Box 690767  
San Antonio, TX 78269  
210-695-4480

***Joaquin Rodriguez***  
13526 Volker Lane  
San Antonio, TX 78231  
210-479-1084

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

### FAX COVER SHEET

DATE: 11-29-99

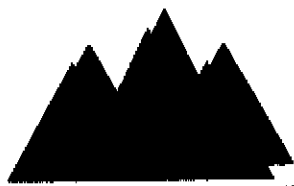
Number of pages: 2  
(including cover sheet)

TO: Brenda

FAX NO. 830-608-2009

FROM:  
SOUTH TEXAS  
WASTEWATER  
TREATMENT

RETURN FAX: 830-249-<sup>4791</sup>~~8098~~



# Alianza

RECEIVED

SEP 23 1999

COUNTY ENGINEER

*A Certified "HUB Zone" Consulting Firm*

September 20, 1999

Comal County Office of Environmental Health  
Attention: Mr. Tom Hornseth, P.E., County Engineer  
195 David Jonas Drive  
New Braunfels, TX 78132-3760

Reference: Permit Application for On-Site Sewage Facility and License to Operate  
Mary Ann Sawyer, Startzville Commercial Center & Laundromat System  
Remodel

Dear Mr. Hornseth:

Enclosed herewith please find an application for permit for modification of the On-Site Sewage Facility serving the referenced site. Also provided herewith is a copy of the design development plan for the treatment and disposal system. Based on a review of the referenced operation as performed by Alianza, LLC, we have recommended modifications to the existing approved system. Essentially Alianza, LLC has recommended that the on-site facilities be enlarged to provide additional aerobic treatment units and expanded irrigation area. Two additional 1000 gpd aerobic units and 34,374 sq.ft. of additional irrigation area are recommended.

Recommendations contained in the report, as detailed in drawings, are based on operations study and on findings of sampling and analysis of the wastes generated by the commercial operations. They have also been guided by, and are consistent with, the requirements contained in 30 TAC §285. Additional land area has been purchased by Sawyer to accommodate the recommended additional spray irrigation area. Based on the information provided by the owner and including the findings of our study, the treatment and disposal facilities recommended should be capable of processing approximately 3900 gallons per day of raw wastewater from the commercial center. A licensed installer must be retained to make the recommended modifications.

If you have any questions, please feel free to contact us anytime.

Sincerely,

*Alianza, LLC*

Kenneth M. Cave  
Senior Scientist/General Manager



Rob Leonard, P.E.  
Registered Professional Engineer

Enclosures (2)

Copy: Mary Ann Sawyer

*Natural Resources*  
*Water Resources*  
*Water Quality*  
*NEPA Assessments*  
*NOI - Endangered Species*  
*Wildlife Management*  
*Phase I, II ESA's*  
*Archeology*  
*Historical Surveys*  
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*Civil Engineering*  
*Platting & Zoning*  
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*Storm Water Control*  
*Biosolids Planning*  
*IRP, INRP, BRAC*  
*ACUIZ, ICUZ*  
*Environmental Permitting*

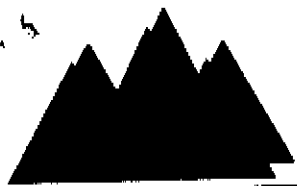
### Alianza, LLC Managers

**Kenneth M. Cave**  
P.O. Box 267  
Sabinal, TX 78881  
830-988-2192

**Gloria Tejada-Hagge**  
1985 Rolling Creek  
Spring Branch, TX 78070  
830-885-2298

**Russell L. Masters**  
P.O. Box 690767  
San Antonio, TX 78269  
210-695-4480

**Joaquin Rodriguez**  
13526 Volker Lane  
San Antonio, TX 78231  
210-479-1084



# Alianza

*A Certified "HUB Zone" Consulting Firm*

**RECEIVED**

GOV. OFFICE

September 29, 1999

**COUNTY ENGINEER**

Comal County Office of Environmental Health  
Attention: Mr. Tom Hornseth, P.E., County Engineer  
195 David Jonas Drive  
New Braunfels, TX 78132-3760

Reference: Water Use Data  
Mary Ann Sawyer, Startzville Commercial Center & Laundromat

Dear Mr. Hornseth:

In accordance with our conversations at your office last week I am herewith submitting the referenced data for your review. If you have any questions, please feel free to call.

Sincerely,

**Alianza, LLC**

Kenneth M. Cave  
Senior Scientist/General Manager

Enclosures (1)

Copy: Mary Ann Sawyer

*Natural Resources*  
*Water Resources*  
*Water Quality*  
*NEPA Assessments*  
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210-695-4480

**Joaquin Rodriguez**  
13526 Volker Lane  
San Antonio, TX 78231  
210-479-1084

# STARTZVILLE LAUNDROMAT '98 - '99 WATER USAGE

*Water from W.A. Sawyer*

	MONTH	DAYS	GPM	*	WASH CYCLES	K35 GAL	GREY H2O
1	4/98	30	84,240		2,491	87,185	2,906
2	5/98	30	102,890		2,386	83,510	2,784
3	6/98	30	67,700		2,296	80,380	2,679
4	7/98	30	68,500		2,833	99,155	3,305
5	8/98	30	98,000		2,428	84,980	2,833
6	9/98	30	124,800		2,555	89,425	2,981
7	10/98	30	99,000		3,481	121,835	4,061
8	11/98	30	12,000		3,058	107,030	3,588
9	12/98	30	11,900		2,907	101,745	3,392
10	1/99	30	11,200		3,117	109,085	3,637
11	2/99	30	51,000		2,739	96,865	3,196
12	3/99	30	113,380		3,019	105,885	3,522
13	4/99	30	113,850		2,948	103,180	3,439
14	TOTAL	390	839,070/13		38,636	1,269,030	42303/13
15	MO. AVG.		72236/30				
16	DAY AVG.		2,408				3,254

## NOTES:

\*2408 GAL. PER DAY IS BASED ON THE WATER DEPARTMENT BILLINGS.  
 \*3254 GAL. PER DAY OF GRAY WATER IS BASED ON ACTUAL WASH CYCLES.

IN ADDITION TO THE GRAY WATER WE WOULD NEED TO ADD THE FORMULA FOR USAGE OF THE FOLLOWING:

- 1 - PUBLIC 1/2 BATH
- 4 - PRIVATE 1/2 BATH
- 1 - RESIDENTIAL BATH (1 BEDROOM APT)

LAUNDROMAT EQUIPMENT  
 24 WASHERS - 35.0 GALS PER CYCLE

*Temp*  
*This number includes the entire M.*  
*of laundry complex use - Average per month.*  
*Official Laundry represents 3540 gpd for safety.*  
*This number represents an extra 250 gpd for safety.*  
*Based on an extra 250 gpd for safety.*  
*W.A. Sawyer*

## STARTZVILLE LAUNDROMAT '98 - '99 WATER USAGE

	MONTH	DAYS	GPI/M	*	WASH CYCLES	K35 GAL	GREY H2O
1	4/98	30	64,240	2141	2,491	87,185	2,908
2	5/98	30	102,890	3423	2,386	83,510	2,784
3	6/98	30	67,700	2257	2,298	80,380	2,679
4	7/98	30	68,500	2283	2,833	99,155	3,305
5	8/98	30	98,000	3300	2,428	84,980	2,833
6	9/98	30	124,600	4153	2,555	89,425	2,981
7	10/98	30	98,000	3300	3,481	121,835	4,061
8	11/98	30	12,000	400	3,058	107,030	3,568
9	12/98	30	11,900	397	2,907	101,745	3,392
10	1/99	30	11,200	373	3,117	109,085	3,637
11	2/99	30	51,000	1700	2,739	85,885	3,196
12	3/99	30	113,390	3780	3,019	105,865	3,522
13	4/99	30	113,850	3795	2,848	103,180	3,439
14	TOTAL	390	839,070/13		98,636	1,269,030	42303/13
15	MO. AVG.		72238/30				
16	DAY AVG.		2,408				3,254

## NOTES:

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- 4 - PRIVATE 1/2 BATH
- 1 - RESIDENTIAL BATH (1 BEDROOM APT)

LAUNDROMAT EQUIPMENT  
24 WASHERS - 35.0 GALS PER CYCLE

101,500  
118,200  
118,700  
112,400  
71,000  
101,500  
119,000

839,070  
+ 12 = 699,225  
230 = 233,075





# Alianza

*A Certified "HUB Zone" Consulting Firm*

September 29, 1999

Comal County Office of Environmental Health  
Attention: Mr. Tom Hornseth, P.E., County Engineer  
195 David Jonas Drive  
New Braunfels, TX 78132-3760

Reference: Water Use Data  
Mary Ann Sawyer, Startzville Commercial Center & Laundromat

Dear Mr. Hornseth:

In accordance with our conversations at your office last week I am herewith submitting the referenced data for your review. If you have any questions, please feel free to call.

Sincerely,

*Alianza, LLC*

*Cory*

Kenneth M. Cave  
Senior Scientist/General Manager

Enclosures (1)  
Copy: Mary Ann Sawyer

*Natural Resources*

*Water Resources*

*Water Quality*

*NEPA Assessments*

*NOI - Endangered Species*

*Wildlife Management*

*Phase I, II ESA's*

*Archeology*

*Historical Surveys*

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*LI & SSES*

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*Biosolids Planning*

*IRP, INRP, BRAC*

*ACUIZ, ICUZ*

*Environmental Permitting*

## *Alianza, LLC Managers*

*Kenneth M. Cave*  
P.O. Box 267  
Sabinal, TX 78081  
830-888-2192

*Gloria Tejada-Hagge*  
1985 Rolling Creek  
Spring Branch, TX 78070  
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P.O. Box 690767  
San Antonio, TX 78269  
210-695-4480

*Joaquin Rodriguez*  
13526 Volker Lane  
San Antonio, TX 78231  
210-479-1084

**Alianza****FAX MEMO**

To: Tom Houseth, P.E.  
FAX No.: 830-608-2009  
From: Ken Carr  
Subject: Water Use Data  
Date: 9-29-99  
Pages: 2 + cover

RECEIVED

SEP 29 1999

COUNTY ENGINEER

Tom,  
A hard copy of this transmittal is in the  
mail. Call me if you have questions.



## Comal County

OFFICE OF COMAL COUNTY ENGINEER

September 30, 1999

Mary Ann Sawyer  
14325 River Road  
Canyon Lake, Texas 78132

Re: Scenic Heights, Unit 3 Lot 155R, Permit #80526;  
Application for Permit of Authorization to Construct On Site Sewage Facility

Dear Ms. Sawyer,

We received the referenced permit application on September 23, 1999. The following information is required before the Permit To Construct can be issued:

1. The enclosed Affidavit To The Public form must be completed, signature(s) notarized, recorded at the Comal County Clerk's office, and a copy of the recorded document submitted to our office.
2. Submit a copy of the signed maintenance agreement from the authorized service representative who will provide your initial two year service policy on this system.

We realize this permit is important to you. To help speed up the process, the required information may be faxed to us. Thank you for your patience and assistance.

Sincerely,

  
Brenda J. Ritzen  
Environmental Health Coordinator

## AFFIDAVIT TO THE PUBLIC

THE COUNTY OF COMAL  
STATE OF TEXAS

Before me, the undersigned authority, on this day personally appeared \_\_\_\_\_, who after being duly sworn, upon oath states that he is the owner of record of that certain tract or parcel of land lying and being situated in Comal County, Texas, and being more particularly described as follows:

The undersigned further states that he will, upon any sale or transfer of the above-described property, request a transfer of the permit to operate such surface application system to the buyer or transferee. Any buyer or transferee is hereby notified that a maintenance contract with an approved maintenance company will be required for use of the system.

\_\_\_\_\_  
Property Owner

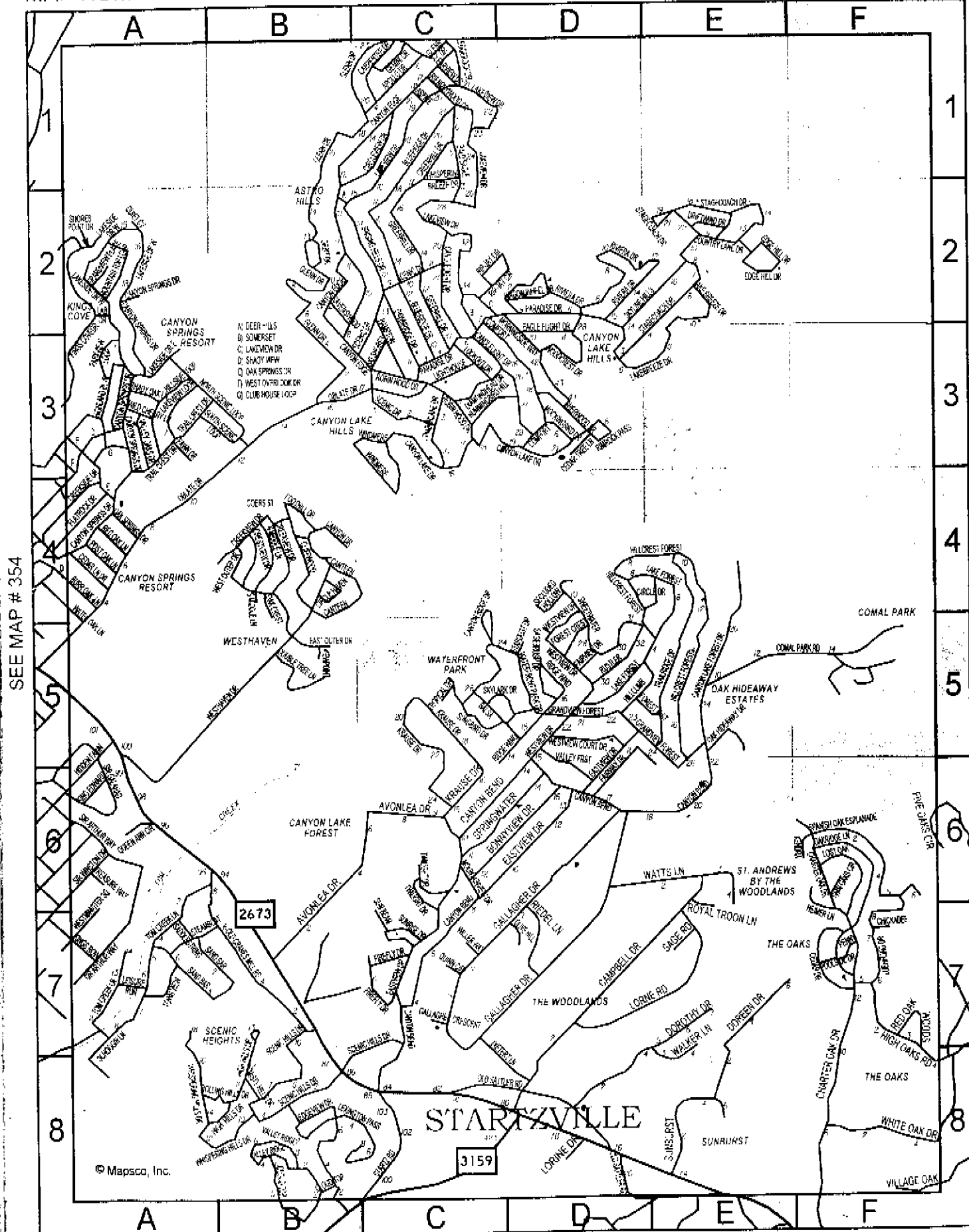
\_\_\_\_\_  
Property Owner

This instrument was acknowledged before me on this \_\_\_\_ day of \_\_\_\_\_, 1999

\_\_\_\_\_  
Notary Public, State of Texas

Notary's Printed Name: \_\_\_\_\_

My Commission Expires: \_\_\_\_\_



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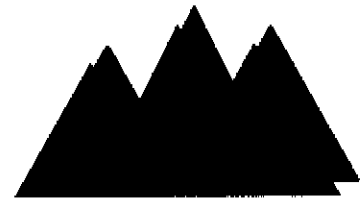
SEP 23 1999

COUNTY ENGINEER

***Treatment & Disposal System Plan***  
***for***  
***Canyon Lake Laundromat***  
***Startzville, Texas***

*Prepared for*

***Mary Ann Sawyer***  
***Sawyer Investments, Inc,***  
***14325 River Road***  
***Canyon Lake, Texas 78132***



***Alianza, LLC***

***An Alliance of Environmental Resource Professionals***

***September 20, 1999***  
***PN99002***

***Treatment & Disposal System Plan***  
***For***  
***Canyon Lake Laundromat***  
***Startzville, Texas***

*prepared for*



***Alianza, LLC***

*An Alliance of Environmental Resource Professionals*

***Ken Cave***  
***General Manager***

***Mary Ann Sawyer***  
***Sawyer Investments, Inc.***  
***14325 River Road***  
***Canyon Lake, Texas 78132***

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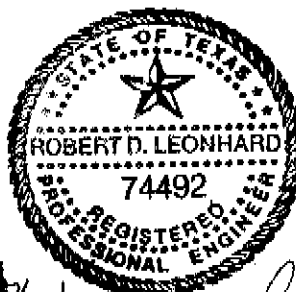
*P.O. Box 267—Sabinal, Texas 78881*  
*Office (830) 988-2192—Mobile (210)-414-3906—San Antonio (210) 695-4488*  
*FAX (830) 988-3197—[allianza@peppersnet.com](mailto:allianza@peppersnet.com)*

---

***Revised***  
***September 20, 1999***  
***PN99002***

***Prepared by***

***Kenneth M. Cave***  
***Senior Environmental Scientist***  
***and***  
***Rob Leonhard, P.E.***



*Robert D. Leonhard*  
*9-23-99*

***Alianza, LLC***  
***P.O. Box 267***  
***Sabinal, Texas 78881***  
***Office: 830-988-2192***  
***FAX: 830-988-3197***



***Alianza***

---

## **Executive Summary**

The approach indicated in this treatment and disposal plan for Sawyer Investment's Laundromat in Startzville, Texas is based on a decision to provide secondary level treatment for 3900 gallons per day of wastewater prior to above-ground disposal by spray irrigation. The proposed facilities essentially expand on the same processes already approved for 1700 gallons per day for the Laundromat. It is assumed that the process would meet organic treatment and hydraulic needs of the laundromat, and will meet requirements in order to be licensed by Comal County. The report contained herein includes the criteria and description of improvements required to address regulatory requirements.

It is noteworthy that there is very little scientific data available that describes the "raw" quality of wastewater from laundromats. Therefore, sampling and analysis of the raw laundromat wastewater was undertaken and completed in September to characterize the waste. Results are presented in the Appendix to this report.

As a result of the wasteload characterization, specific treatment facility structural and process design aspects have been tailored to the findings. The concept and component structure proposed herein is appropriate in light of the anticipated strength BOD waste. Maximum use of existing facilities is proposed. System components and supplemental mixture formulation for nutrients are proposed herein. It is believed that the existing biological facilities, as well as the proposed expansion treatment facilities, should function properly as designed with nutrient feeding. The proposed expansion is basically a duplication of the existing/permitted treatment and disposal facilities with the exception of the addition of nutrients to promote healthy extended aeration treatment.

The technical design report contained herein describes the nature of the treatment facilities, narrative site evaluation, extent of surface irrigation disposal system and the actions required for complete construction. Major expansion improvements include two new 1000 gpd aerobic treatment units such as have already been approved and 0.8 acres additional spray irrigation area. The proposed design contained herein should meet the intent of 30 TAC §285 and Comal County regulations regarding on-site wastewater treatment and disposal.



# **Sawyer Investments Canyon Lake Laundromat Technical Design Report**

## **I. Background**

Sawyer Investments (Sawyer) owns and operates a Laundromat located in Startzville, Texas. The business operation consists of a small commercial center with two offices, an efficiency apartment and a 24-machine laundromat having one public toilet. The business operates under a "License to Operate a Private Sewage Facility" issued by Comal County on March 23, 1998.

In order to accommodate increased anticipated business, Sawyer wishes to expand the capacity of the wastewater treatment and disposal system. The current license allows for 1700 gallons per day to be treated by an aerobic treatment system and effluent disposed of by spray land application. Sawyer anticipates that increased future use of the laundromat will result in wastewater generation from the entire site not to exceed 3900 gallons per day. In addition to the treatment facilities recommended herein, Sawyer has purchased additional acreage (~1.3 acres) to accommodate the increased spray irrigation area required. This report was sets forth the basis for modifications to the existing system expansion and is intended to comply with State On-site Sewage Facility requirements presented in 30 TAC §285. A licensed contractor will be responsible for system installation.

## **II. Wastewater Generation**

There are various methodologies for projecting wasteloads for laundry wastewater treatment and disposal. Volumes of wastewater can be derived from 30TAC §285.90 Table III. However, laundry wastewater generation records, based on experience and Sawyer's own similar operations, indicate that washer loads produce about 35 gallons per cycle. Machine use should be no more than about 100 cycles per day for the Startzville laundry thus yielding a daily laundry waste flow of 3500 gallons. The business operates only 16 hours per day and thus a reduction from State criteria is indicated. Total hydraulic load should be about 3900 gpd based on this approach.

<u>Source</u>	<u>Daily Volume (Gallons)</u>
Apartment	180
Public Toilet	160
Two Offices (5 persons)	60
Laundromat (100 cycles X 35 gallons)	<u>3500</u>
Total Daily Wastewater	3900

### **III. Wastewater Characterization**

A scarcity of literature indicated that characterization of laundry waste would require sampling and analysis to evaluate treatability. Laundry manufactures have reported that organic strength of wastewater is about 300 mg/l BOD. Studies dating back to the 1970's indicate that the BOD could be as high as 692 mg/l. A limited search of national and Texas databases, as well as interviews with TNRCC personnel, reveals that nobody is researching and/or reporting the raw waste strength. Consequently, a composite sample was collected from the raw laundromat wastewater stream and was analyzed for organic and nutrient constituents. The representative sample indicated a BOD<sub>5</sub> of 253 mg/l, TSS of 130 mg/l, Ammonia-Nitrogen of 1.1 mg/l and Total Phosphorus of 4.34 mg/l.

Package aerobic systems are generally designed for domestic waste strength in terms of volumes at less than 300 mg/l BOD. Organic load approximates the hydraulic limiting value of package treatment units and therefore a standard 1000 gpd (hydraulic based) treatment plant receiving a BOD of 253 mg/l would have an effective capacity rating of about 1000 gallons. It is important to remember that the State requires that the effluent applied to land meet a 20-mg/l BOD standard. Based on the information available from on-site sampling and analysis data, it appears that the package treatment systems can meet regulatory requirements at the hydraulic capacity indicated by manufacturers. It is important to note that approximately 4 mg/l of nitrogen must be added to the raw waste stream in order to ensure proper biological treatment.

### **IV. Wastewater Treatment & Disposal Concept**

Gray-water from the sources identified above are to be routed to existing pretreatment settling compartments. The pretreatment consists of two existing separate tanks in series with 1500 gallons in capacity each. Settled gray-wastewater will be pumped to aerobic treatment by means of two existing pumps in the post pre-treatment pumping tank. Domestic wastewater will be discharged into the aerobic treatment systems after pretreatment by the existing settling/septic tank. Nutrient feed of ammonium nitrate will be injected into the aerobic treatment system. Treated wastewater will be stored in two 1500-gallon concrete tanks prior to being pumped to a 1.4-acre irrigation field.

### **V. Site Evaluation**

A review of the Hays/Comal Counties Soil Survey and on-site inspection of test holes indicates that the soil type for the additional surface spray irrigation area is identical to the existing spray irrigation area currently in use and approved by the Comal County Engineers office. Soil excavations were observed and the evaluation performed consistent with 30 TAC §285.30. The soil type is classified as Brackett-Rock outcrop and the color of the soil at this site is brown. Observations indicate that the soil is a shallow (typically 0-12" depth) clay-loam with outcropping of Edwards Limestone. Soil is considered to be Class III in accordance with 30 TAC §285.91 (6). Beneath the thin soil cover is irregularly fractured limestone and broken stone with accompanying clay-loam soil. In bench areas there are areas of deeper soils, especially in highly

fractured areas. Although the general project vicinity is considered "BtG" based on soil and slope, the specific project site is located on a hilltop with more moderate slope than the surrounding areas. Whereas the site may not be suitable for adsorption area due to underlying rock, surface spray irrigation consistent with 30 TAC §285.33 (2) can be effective and should enhance grass growth and stabilize the existing soil.

The slope at the expansion site is less steep than at the existing approved area and does not exceed the 15% limitation specified in 30 TAC §285.33 (2)(B). Based on the site evaluation it is recommended that the irrigated areas be lightly landscaped and as appropriate by adding 4-6 inches of sandy-loam or loam over much of the area to provide the irrigation area with suitable soil for planting Bermuda grass. It is recommended that the individual irrigation spray areas be leveled to provide the individual area a slope of not more than 5%. Fill material required to accomplish this should not contain large rocks or debris and should meet soil Class II or III standards.

## **VI. System Upgrade Recommendation**

### *Treatment System*

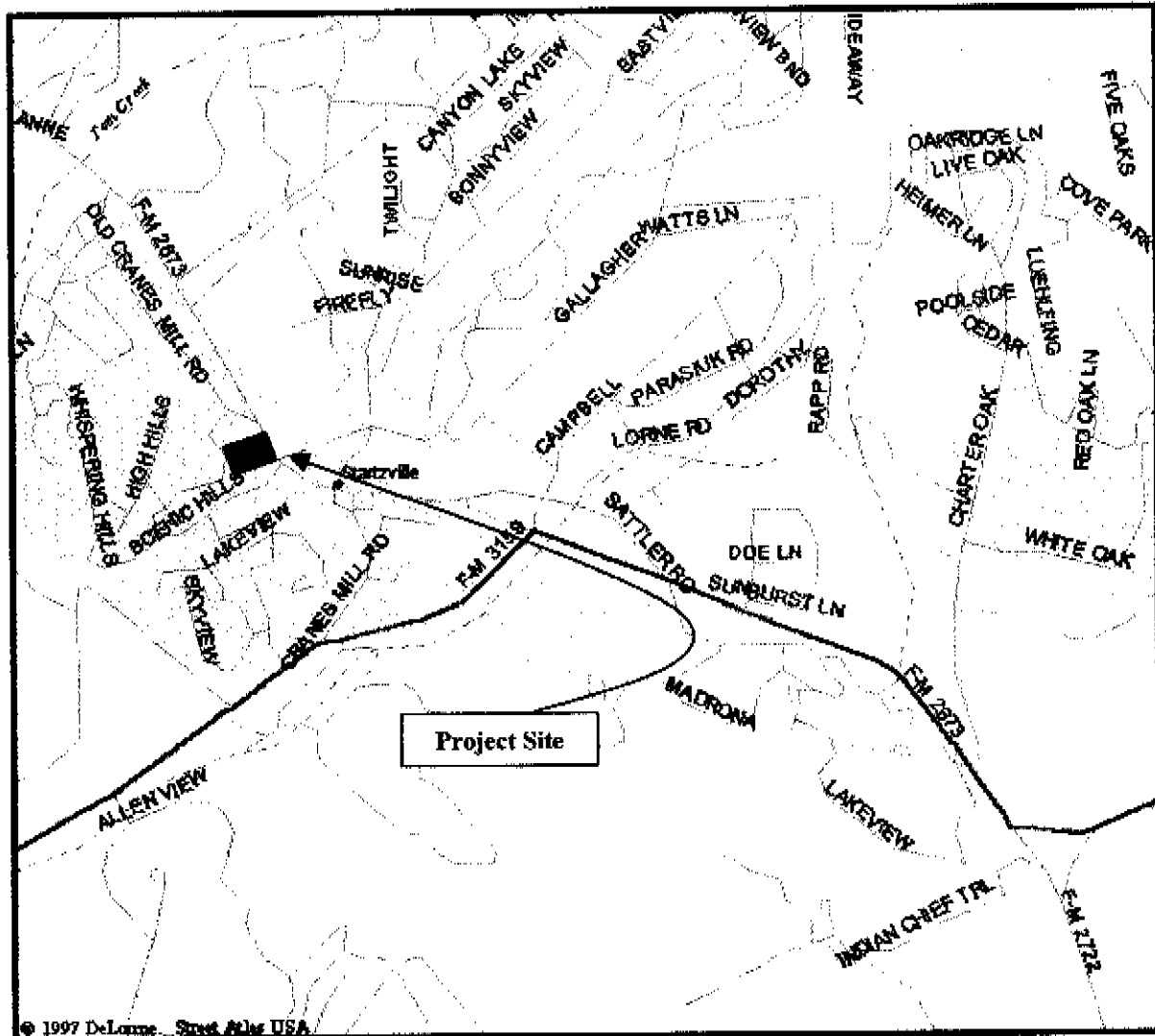
It is proposed that the existing aerobic treatment system consisting of two each 1000 gpd Hydro-Action units be retained. These units have been previously approved consistent with 30 TAC §285.32 (b). Furthermore, the application of these systems was approved for use at the existing laundromat by the Comal County Engineers Office in 1998. Two additional 1000 gpd package aerobic treatment units are required to provide adequate biological treatment for the total wasteload. The units will be Hydro-Action 1000 plants identical to those previously approved or equal systems that have received TNRCC approval. Flow from the gray water line will continue to be routed to the 3000 gallon settling tank and then will be rerouted to the existing sewage lift pump tank. Flow from the blackwater line will continue to be received in the existing 1500 gallon pretreatment unit prior to entry to the lift pump tank. One existing lift pump will provide flow to the existing two aerobic units by means of the existing 2-Zone K-Rain Valve. The other pump will similarly divert flow from the lift pump tank to the other two aerobic units by means of a new 2-Zone K-Rain Valve. Flows from the four aerobic units will be routed to the irrigation storage tanks (two each 1500 gallon tanks) where chlorination application will be made.

### *Surface Spray Irrigation*

The existing surface spray irrigation fields were designed consistent with 30 TAC §285.33 (c)(2) and will be retained. An additional 0.8 acres of spray irrigation area shall be provided in conjunction with the 1.0 acre new property purchased by Sawyer contiguous to and immediately to the North of the existing irrigation area. Modifications to the existing spray irrigation pumping and piping system will be required and will likewise be in accordance with 30 TAC §285.33 (c)(2). The irrigation fields will be separated into two elevation zones of equal size to enhance even distribution of water. Each bank will be capable of distributing 35 gpm to an effective area of 0.7 acres. A new 2-Zone K-Rain Valve will be used to divert the flow from the final tank to each bank of fields in an alternating fashion.

To facilitate the distribution of irrigation water, two new 1¼" Schedule 40 PVC lines will carry treated water from the irrigation pump tank to the two separate banks of irrigation fields. New ¾" Schedule 40 PVC lines will connect the 1¼" mains to the new sprinkler heads. New fields will be placed such that irrigation areas do not overlap. Sprinkler heads will match the existing Super 600 Sprinkler by TORO with #5 nozzle size each to deliver 6 gpm at 40 psig with 47' radius spray. Two sprinkler heads will be directional heads to prevent watering of setback areas. Berms will be placed downgradient of irrigation areas as indicated on drawing Sheet #7 to prevent potential runoff of irrigation water. As indicated previously, individual spray areas should be leveled such that they do not exceed 5% slope. Fill material may be required to accomplish this recommended task. The overall slope of the irrigation project site meets the 15% limitation without site grading or fill.

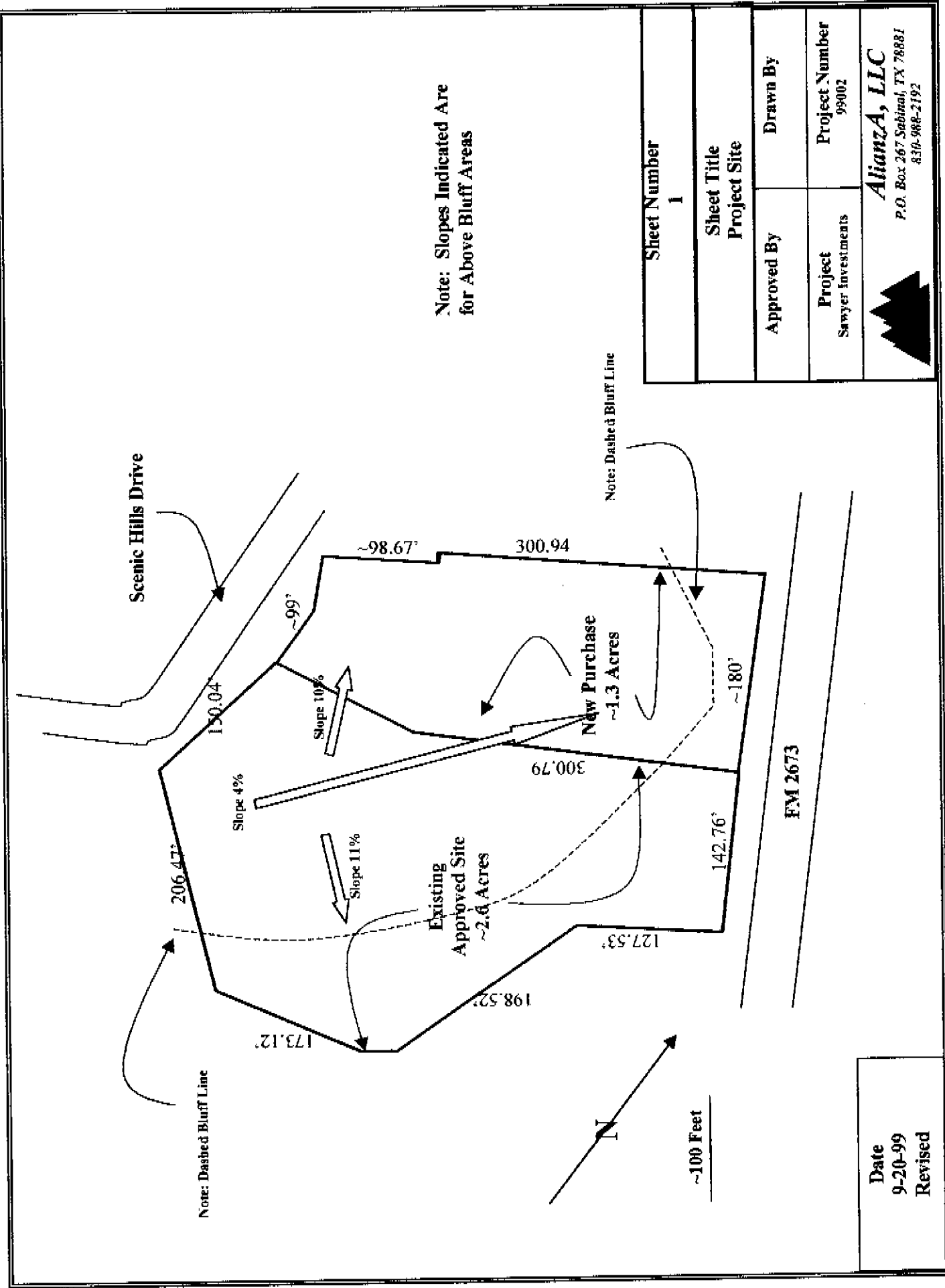
# Sawyer Investments Startzville Laundromat Project Site General Location Map




Not to Scale



*Alianza, LLC*



Note: Slopes Indicated Are  
for Above Bluff Areas

Sheet Number 1	
Sheet Title Project Site	
Approved By	Drawn By
Project Sawyer Investments	Project Number 99002
 <b>AlianzaA, LLC</b> P.O. Box 267 Sabinas, TX 78881 830-988-2192	

Date 9-20-99
Revised

Assumptions:

Domestic Waste (Apt 180g + Office 60 + Toilet 160) = 400 gpd  
Laundry Wastewater (100 loads/day X 35 g/load) = 3500 gpd  
Total Volume = 3900 gpd  
Domestic BOD mg/l = 200  
Laundry BOD mg/l = 250  
Irrigation Standard = 0.064g/sq.ft./d  
Existing Irrigation Area = 26,563 sq.ft.

Hydraulic Requirements:

Treatment Influent = 3900 gpd  
3500 gpd + 400 gpd = 3900 gpd  
3900/(16 X 60) 5 X 1.5 safety = 30 gpm  
Irrigation Demand = 390gpd/sprinkler  
Operating Time = 65 minutes per day  
390 gal/6 gpm = 65 min  
65 min X (2 areas w/ 5heads) = 130 min/day  
Irrigation Pump Requirement = 30 gpm @ 40psig @ sprinkler  
6gpm/head X 5 sprinklers

Organic Loading:

Domestic 8.34 X 200mg/l X 400g X 10<sup>-6</sup> = 0.67 #/day  
Laundry 8.34 X 250mg/l X 3600g X 10<sup>-6</sup> = 7.5 #/day  
Total Organic Loading 7.5 + 0.67 = 8.2 #/day

Irrigation Area Required:

3900 gpd/0.064 g/sq.ft./d = 60,937 sq.ft. = 1.4 acres Required  
60,937 sq.ft. - 26,563 (Existing) = 34,374 sq.ft. = 0.79 acres  
Use 10 areas @ 47' Radius = 69,362 sq ft = 1.6 ac  
Note: Use two fields @ ~0.7 acres each.

Sheet Number  
2

Sheet Title  
Design Calculations

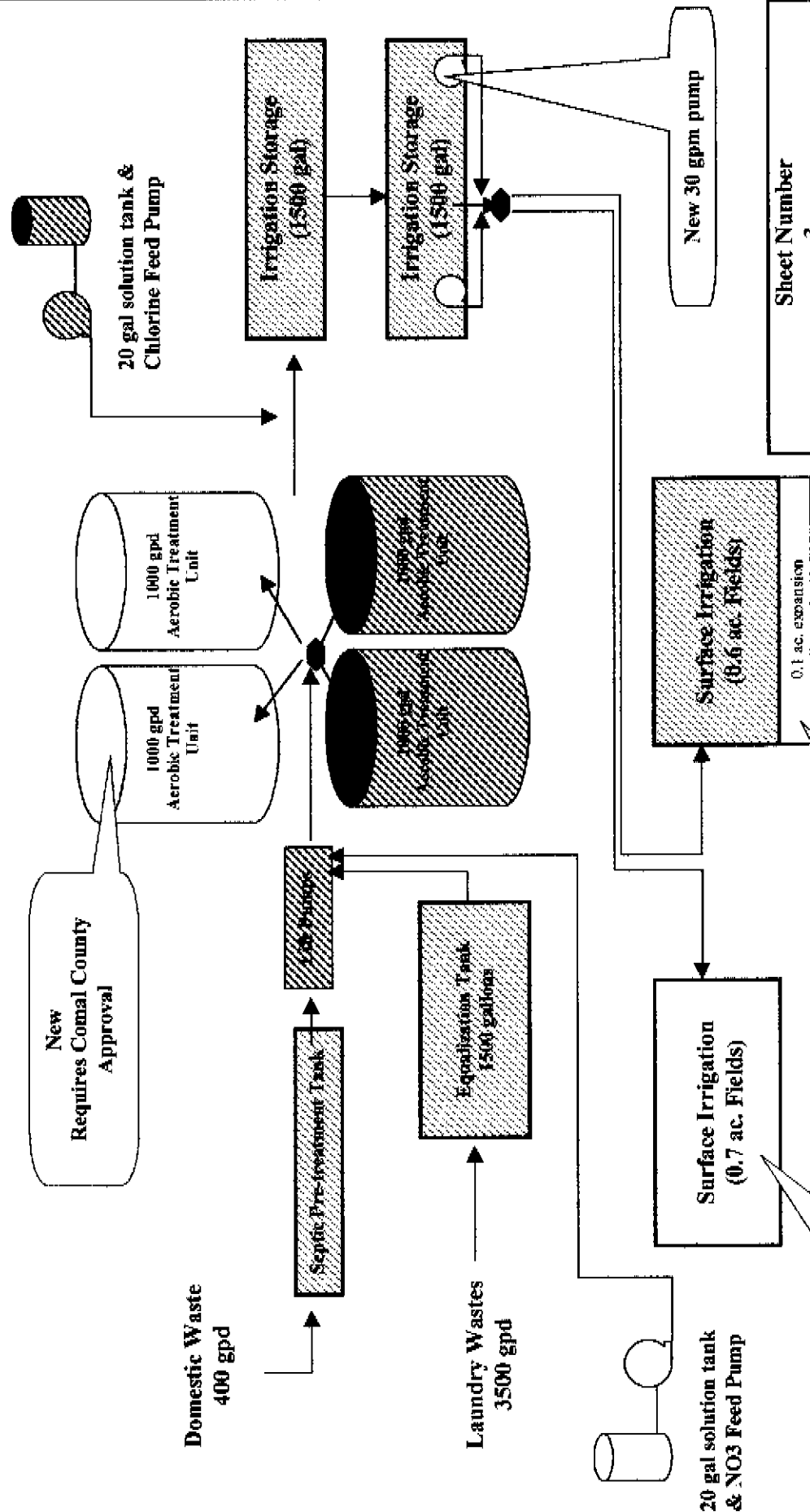
Approved By  
Drawn By

Project  
Sawyer Investments  
Project Number  
99002

*Alianza, LLC*


P.O. Box 267 Sabinal, TX 78881  
830-988-2192

Date  
9-20-99  
Revised



**Legend**

- Existing System
- New Expansion/Routing
- Flow Diversion Valves

Sheet Number	3
Sheet Title	Modification & Expansion Schematic
Approved By	Drawn By
Project	Project Number
Sawyer Investments	99002
 <b>Allianza, LLC</b> P.O. Box 267 Subinal, TX 78881 830-988-2192	

Date	9-20-99
Revised	


New  
Requires Comal County  
Approval

New  
Requires Comal County  
Approval



# Contractor List of New Major System Components

No.	Item Description	Units
1.	Extended Aeration Package Plant with Hydraulic Capacity 1000gpd each	2 ea
2.	Irrigation Pumps – 30 gpm @ 55 psig	2 ea
3.	2-Zone K-Rain Valve /Pump Alternator and Timer for Night Operation	1 ea
4.	4-Zone K-Rain Valve /Alternator for Sewage lift diversions to Aerobic treatment plants	1ea
5.	Irrigation Spray Heads – 47" radius @ 6gpm @ 40 psig	10 ea
6.	Site Grading & Planting of Bermuda Grass for Irrigation	~35,000 sq. ft.
7.	Terrace Berms to prevent runoff – 1' high X 4' wide	~750 lf
8.	Schedule 40 PVC @ 1 1/4 " diameter @ 1' depth	1000 lf
9.	Schedule 40 PVC @ 3/4" diameter @ 1' depth	500 lf
10.	Plant Site Preparation and Plant Fencing	Job
11.	Sandy Loam for Irrigation Area	620 cu.yds.
12.	Miscellaneous Electrical	Job
13.	Yard Piping 4" gravity line from Gray water settling tanks to Sewage lift pump tank	50 lf
14.	Nitrate-nitrogen solution peristaltic pump & 20gal tank	Job
15.	Fill Material to level irrigation area	1700 cu.yds.

Sheet Number	4
Sheet Title	Major New Equipment Components
Approved By	Drawn By
Project Sawyer Investments	Project Number 99002
 <b>AlianzaA, LLC</b> P.O. Box 267 Sabinal, TX 78881 830-988-2192	

Date  
9-17-99



From USGS Startzville Quad Sheet  
20' Contour Intervals

Project Area  
~3.9 Acres

Sheet Number  
5

Sheet Title  
Topographic

Drawn By  
Approved By

Project  
Sawyer Investments

Project Number  
99002

*Alianza, LLC*


P.O. Box 267 Sabinal, TX 78881  
830-988-2192

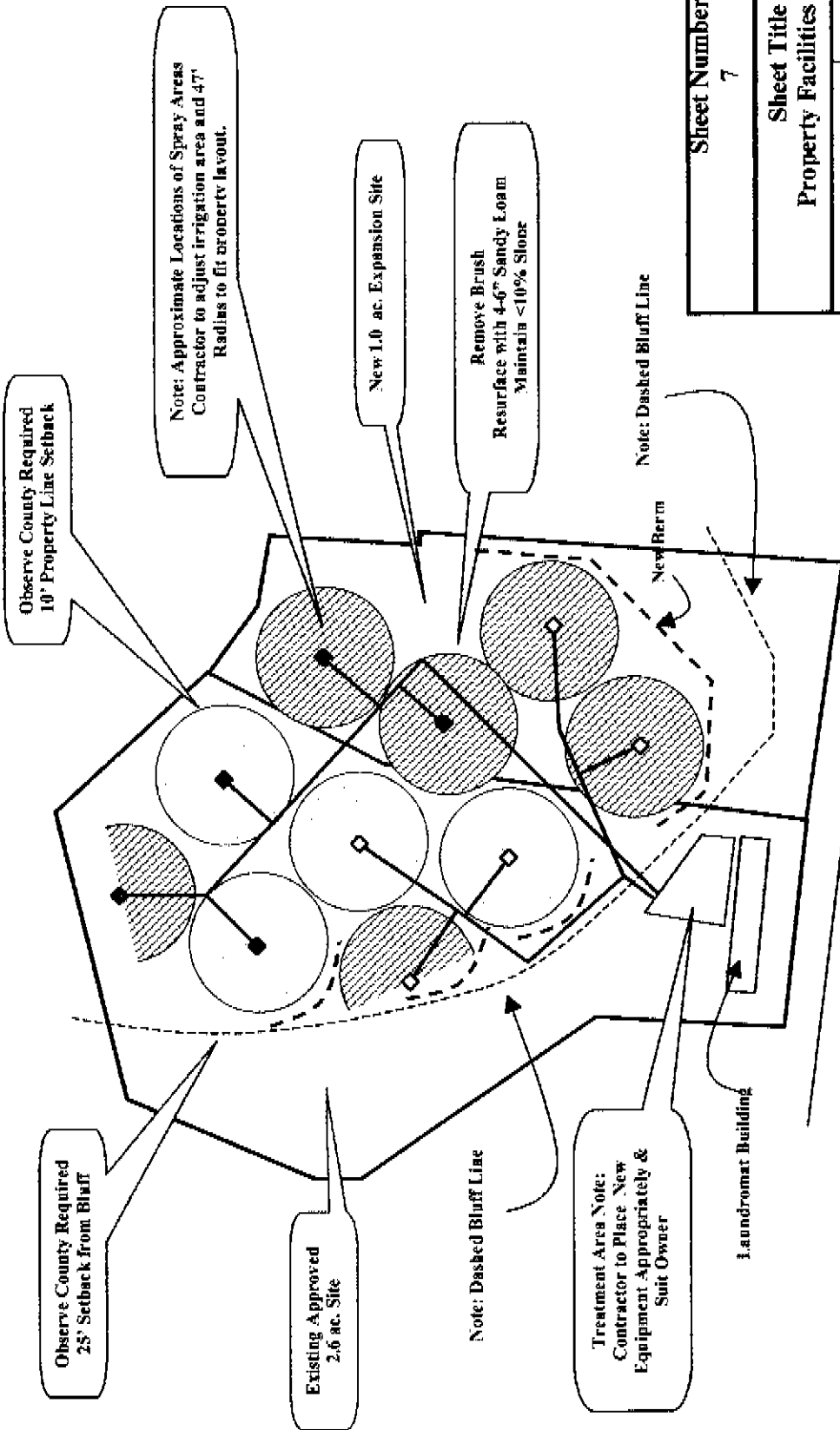
Date  
9-20-99



From Soil Survey of Comal and Hays Counties

Date  
9-17-99

Sheet Number 6	
Sheet Title Soil Survey Map	
Drawn By	Approved By
Project Sawyer Investments	Project Number 99002
 <i>AllianzA, LLC</i> P.O. Box 267 Sabinal, TX 78881 830-988-2192	



FM 2673

**Legend**

- Existing Project Area
- Expansion Project Area
- New Berms
- Irrigation Level No.1
- Irrigation Level No.2

~100 Feet

Date  
9-20-99  
Revised

Sheet Number  
7

Sheet Title  
Property Facilities Layout

Approved By

Project  
Sawyer Investments

Drawn By  
Project Number  
99002

**Alianza, LLC**  
P.O. Box 267 Sabinal, TX 78881  
830-988-2192

# POLLUTION CONTROL SERVICES

## REPORT OF SAMPLE ANALYSIS

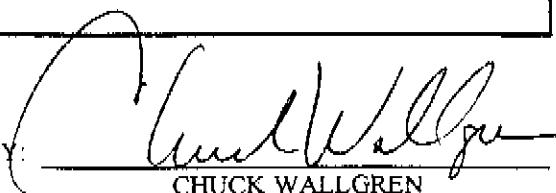
To: Ken Cave  
 Alianza, LLC.  
 PO Box 690767  
 San Antonio, TX 78269-0767

SAMPLE INFORMATION	LABORATORY INFORMATION
Project Name: Startzville Laundry	PCS Sample #: 80823
Sample ID: Wastewater	Date Received: 08/27/1999
Date Taken: 08/27/1999	Time Received: 12:30
Time Taken: comp	Report Date: 09/07/1999

TEST DESCRIPTION	SAMPLE		ANALYZED		ANALYST'S	
	RESULT	UNITS	DATE	TIME	INITIALS	METHOD USED
pH	9.2	S.U.	08/27/1999	12:40	BW	SM 4500-H+ B
BOD5 (Industrial)	253	mg/L	08/27/1999	12:40	BW	SM 5210 B
Total Suspended Solids	130	mg/L	08/27/1999	15:10	BW	SM 2540 D
Phosphorus, Total	4.34	mg/L	09/03/1999	10:20	JB	SM 4500-P;B/D
Conductivity, Specific	690	umhos/cm	08/31/1999	10:00	JB	EPA 120.1
Ammonia-N (ISE)	1.1	mg/L	08/27/1999	16:10	BW	SM 4500-NH3 D

QUALITY ASSURANCE DATA						
TEST DESCRIPTION	M.D.L.	PRECISION	LIMIT	LCL	RECOVERY	UCL
pH	N/A	N/A	N/A	N/A	N/A	N/A
BOD5 (Industrial)	1	<1	10	181	197	212
Total Suspended Solids	1	<1	10	N/A	N/A	N/A
Phosphorus, Total	0.01	2	10	77	90	115
Conductivity, Specific	1	N/A	N/A	N/A	N/A	N/A
Ammonia-N (ISE)	0.1	<1	10	94	103	112

APPROVED BY:

  
 CHUCK WALLGREN

# POLLUTION CONTROL SERVICES

LAB NUMBER  
80823

## Single Sample Analysis Request Form & Chain of Custody

© 1998 Pollution Control Services. All rights reserved.

CUSTOMER INFORMATION		REPORT INFORMATION	
Company/Customer Name: <u>Hillange</u>		Attention: <u>Ken Carl</u> Telephone: <u></u> FAX: <u></u>	
SAMPLE INFORMATION (Please complete all items as they pertain to your sample)			
Sample Collection	<input type="checkbox"/> Grab Sample Date: <u>8-26-99</u> Sample Time: <u></u> <input checked="" type="checkbox"/> Composite Start Date: <u>8-26-99</u> End Date: <u>8-26-99</u>	Collected By: <u>Mrs. Sawyer</u>	Project Name: <u>Startzville Cemetery</u>
Sample Identification	<input checked="" type="checkbox"/> Wastewater <input type="checkbox"/> Water <input type="checkbox"/> Soil	<input type="checkbox"/> Time/Equal Portion or <input type="checkbox"/> Flow Weighted <input type="checkbox"/> 3 Part <input type="checkbox"/> 6 Part <input type="checkbox"/> 12 Part <input type="checkbox"/> 24 Hour <input type="checkbox"/> Liquid <input type="checkbox"/> Aeration <input type="checkbox"/> Reair <input type="checkbox"/> RAS <input type="checkbox"/> Track <input type="checkbox"/> Digester <input type="checkbox"/> Solid	Project Number: <u></u> Project Location: <u></u> Commercial Carrier ID Number: <u></u>
<input checked="" type="checkbox"/> Domestic <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Surface <input type="checkbox"/> Groundwater		<input checked="" type="checkbox"/> Influent <input type="checkbox"/> Effluent <input type="checkbox"/> Stream <input type="checkbox"/> Lake <input type="checkbox"/> Well Water <input type="checkbox"/> Monitor Well	Comments/Precautions/Special Instructions: <u>Carry out 4 portions - same individual portions</u> Report <input type="checkbox"/> As Is or <input type="checkbox"/> Dry Weight
Field Parameters	pH: <u></u> S.U. <u></u> Chlorine Res: <u></u> pH<2 <input type="checkbox"/> HNO3-Mils <input type="checkbox"/> H2SO4-COD, FOG, Nutrients, Phenol	C/F <u></u> D.O. <u></u> mg/l <u></u> Sp. Cond. <u></u>	unthos/cm @ 25 C <u></u> Other: <u></u>
Sample Preservation	<input checked="" type="checkbox"/> Cool 4°	Other: <u></u>	
ANALYSIS REQUEST Check analysis desired below. (See Schedule of Services for other available analytes.)			
GENERAL CHEMISTRY		RCRA WASTE PROFILE	
<input checked="" type="checkbox"/> pH <input checked="" type="checkbox"/> BOD5 <input checked="" type="checkbox"/> CBOD5 <input type="checkbox"/> TSS <input type="checkbox"/> VSS <input type="checkbox"/> MLSS <input checked="" type="checkbox"/> YMLSS <input type="checkbox"/> NH3N <input type="checkbox"/> NO3N <input type="checkbox"/> NO2N <input type="checkbox"/> TKN <input checked="" type="checkbox"/> TP04P	<input type="checkbox"/> D.O. <input type="checkbox"/> COD <input type="checkbox"/> FOG <input type="checkbox"/> FOG A <input type="checkbox"/> FOG B <input type="checkbox"/> FOG C <input type="checkbox"/> FOG D <input type="checkbox"/> T.CN <input type="checkbox"/> Fluoride <input type="checkbox"/> % Org N <input type="checkbox"/> % Ash	<input type="checkbox"/> T. Acidity <input type="checkbox"/> T. Alk. <input type="checkbox"/> P. Alk. <input checked="" type="checkbox"/> Sp. Cond. <input type="checkbox"/> TDS <input type="checkbox"/> T. Hard <input type="checkbox"/> Cl <input type="checkbox"/> SO4 <input type="checkbox"/> TNRC Well Water <input type="checkbox"/> Std. Well Water <input type="checkbox"/> w/ Coliform <input type="checkbox"/> w/a Coliform	<input type="checkbox"/> Ag <input type="checkbox"/> Al <input type="checkbox"/> As <input type="checkbox"/> Ba <input type="checkbox"/> Be <input type="checkbox"/> Ca <input type="checkbox"/> Cd <input type="checkbox"/> Cr <input type="checkbox"/> HexCr <input type="checkbox"/> Cu <input type="checkbox"/> Fe <input type="checkbox"/> Hg <input type="checkbox"/> K <input type="checkbox"/> Mg <input type="checkbox"/> Mn <input type="checkbox"/> Mo <input type="checkbox"/> Na <input type="checkbox"/> Ni <input type="checkbox"/> Pb <input type="checkbox"/> Sb <input type="checkbox"/> Se <input type="checkbox"/> Sn
METALS <input type="checkbox"/> Total <input type="checkbox"/> Dissolved		<input type="checkbox"/> RCI <input type="checkbox"/> TCLP - Full <input type="checkbox"/> TCLP - Full w/o H/P <input type="checkbox"/> TCLP - Vol <input type="checkbox"/> TCLP - Semi Vol <input type="checkbox"/> TCLP 8 Metals <input type="checkbox"/> TCLP - Pb <input type="checkbox"/> RCRA 8 Metals <input type="checkbox"/> BTEX <input type="checkbox"/> TPH <input type="checkbox"/> MTBE	
BACTERIOLOGICAL		<input type="checkbox"/> F. Coliform - col/100 ml <input type="checkbox"/> F. Coliform - col/gm dry wt <input type="checkbox"/> F. Strep - col/100 ml <input type="checkbox"/> T. Coliform - col/100 ml <input type="checkbox"/> F. Coli (7 Replicate)	
MISCELLANEOUS		<input type="checkbox"/> 503 Metals <input type="checkbox"/> Soil/Sludge Nutrients <input type="checkbox"/> S.O.U.R. <input type="checkbox"/> TNRC Ind Permit Renewal <input type="checkbox"/> TNRC Permit Renewal	
REQUIRED TURNAROUND:			
<input checked="" type="checkbox"/> Routine (6-10 days) EXPEDITE: (See Surcharge Schedule) <input type="checkbox"/> <8 Hrs. <input type="checkbox"/> 24 Hrs. <input type="checkbox"/> 48 Hrs. <input type="checkbox"/> 3-5 days <input type="checkbox"/> Other: <u></u> <input type="checkbox"/> Routine BTEX/TPH (48 Hrs.) Rush charges authorized by: <u></u> Other: <u></u>			
FINAL SAMPLE DISPOSITION: <input type="checkbox"/> Sanitary Sewer <input type="checkbox"/> Return to client <input type="checkbox"/> Hold for client pick up			
Relinquished By: <u>Matthew Sawyer</u> Date: <u>8-27-99</u> Time: <u>12:30</u> Received By: <u>Ken Carl</u> Date: <u>8-27-99</u> Time: <u>12:30</u>			
Relinquished By: <u></u> Date: <u></u> Time: <u></u> Received By: <u></u> Date: <u></u> Time: <u></u>			

1-800-880-4616

435 Isom Road, Suite 228  
San Antonio, TX 78216-5144

(210) 340-0343

C:\My Documents\PCSCOC\_Form\MChain of Custody Form.doc

WINGERT INSURANCE AGENCY  
41651 FM 3159  
CANYON LAKE, TX 78133  
(830) 899-2905 BUS. LINE  
(830) 899-4514 FAX LINE

FAXED TO:

Tom Hornsby

FROM:

Cathy Wingert

899-7775

NUMBER OF PAGES:

6

1 PLUS 5

COVER

MESSAGE:

IF YOU NEED PAGES FURTHER

BACK THAN APRIL - PLEASE ADVISE

NOTE: LAST 2 ENTRIES ARE THE

MONTHLY TOTAL : THE AVERAGE

DAILY USAGE

608-2009

## MONTHLY REPORT

WATER WORKS OPERATION FOR

SEND REPORT TO: TEXAS DEPARTMENT OF HEAL  
DIVISION OF WATER HYGIENE  
1100 WEST 4TH STREET  
AUSTIN, TEXAS 78701

Month	From Wells	From Others	Percentage	Control	Control	Residuals
1	199 224		20			
2	199 224		40			
3	199 224		24			
4	199 224		14			
5	199 224		6 8			
6	199 224		24			
7	199 224		29			
8	199 224		18			
9	199 224		36			
10	199 224		46			
11	199 224		8 4			
12	199 224		18			
13	199 224		27			
14	199 224		35			
15	199 224		37			
16	199 224		29			
17	199 224		20 60			
18	199 224		73			
19	199 224		29			
20	199 224		2 18			
21	199 224		28			
22	199 224		25 75			
23	199 224		71			
24	199 224		13 6			
25	199 224		25			
26	199 224		25			
27	199 224		32			
28	199 224		4 9			
29	199 224		8 8			
30	199 224		6 7			
31						
Total			118.2			
Avg.			3.8			
Max.						
Min.						

No. of Active Water Services (10) \_\_\_\_\_ Chemical Analysis (11) \_\_\_\_\_

Date and Results of Bacteriological Analyses (12) \_\_\_\_\_

Reservoirs or Tanks Cleaned (13) \_\_\_\_\_ Dead Ends Flushed (14) \_\_\_\_\_

General Remarks (15) \_\_\_\_\_

Submitted By (16) \_\_\_\_\_ Certificate No. (17) \_\_\_\_\_

Form No. 103 All reports due by the 15th of the following month.

## MONTHLY REPORT

WATER WORKS OPERATION FOR  
GROUND WATER SUPPLIES

SEND REPORT TO: TEXAS DEPARTMENT OF HEALTH  
DIVISION OF WATER HYGIENE  
1100 WEST 49th STREET  
AUSTIN, TEXAS 78756-3192

(1) Name of System Roundramat

County \_\_\_\_\_

(2) Water System I.D. No. \_\_\_\_\_

Month of 5-1-99 19-

Day of Month	Percentage to Distribution System in Thousand Gals.				(6) Disinfection	(7) Concession Control	(8) Taste and Odor Control	(9) Fluoride Residuals
	(1) From Wells	(2) From Other Storage	(3) Purchased from Others	(4) Total Percentage				
1	199 224			20				
2	199 224			17				
3	199 224			67				
4	199 224			214				



Day of Month	Pumpage in Distribution System in Thousand Gals.				(4) Distribution	(5) Conveyance Control	(6) Tests and Odor Control	(7) Filtration Residuals
	(1) Direct from Well	(2) From Grid Storage	(3) Purchased from Others	(4) Total Pumpage				
1	20050			20050				
2	20050			20050				
3	20050			20050				
4	20050			20050				
5	20050			20050				
6	20050			20050				
7	20050			20050				
8	20050			20050				
9	20050			20050				
10	20050			20050				
11	20050			20050				
12	20050			20050				
13	20050			20050				
14	20050			20050				
15	20050			20050				
16	20050			20050				
17	20050			20050				
18	20050			20050				
19	20050			20050				
20	20050			20050				
21	20050			20050				
22	20050			20050				
23	20050			20050				
24	20050			20050				
25	20050			20050				
26	20050			20050				
27	20050			20050				
28	20050			20050				
29	20050			20050				
30	20050			20050				
31	20050			20050				
Total				3.8				
Avg.								
Max.								
Min.								

No. of Active Water Services (10)

Chemical Analysis (11)

Date and results of Bacteriological Analyses (12)

Reservoirs or Tanks Cleaned (13)

Dead Ends Flushed (14)

General Remarks (15)

Filled By (16)

Certificate No. (17)

D. H. B.

All reports due by the 15th of the following month.

1/84

## MONTHLY REPORT

WATER WORKS OPERATION FOR  
GROUND WATER SUPPLIESSEND REPORT TO: TEXAS DEPARTMENT OF HEALTH  
DIVISION OF WATER HYGIENE  
1100 WEST 49th STREET  
AUSTIN, TEXAS 78756-3192

(1) Name of System

Laundromat

County

(1a) Water System I.D. No.

Month of

6/1/99-10

Day of Month	Pumpage in Distribution System in Thousand Gals.				(4) Distribution	(5) Conveyance Control	(6) Tests and Odor Control	(7) Filtration Residuals
	(1) Direct from Well	(2) From Grid Storage	(3) Purchased from Others	(4) Total Pumpage				

(1) Name of System Yardmaster

County \_\_\_\_\_

(1a) Water System I.D. No. \_\_\_\_\_

Month of 8/1/76 19\_\_

Day of Month	Footage to Distribution System in Thousands and Units				(6) Distribution	(7) Connection Control	(8) Tests and Other Control	(9) Flammable Residuals
	(1) Direct from Wells	(2) From Res. Storage	(3) Purchased from Others	(4) Total Footage				
1	201576			32				
2	201678			42				
3	201715			47				
4	201687			27				
5	201718			37				
6	201733			30				
7	201781			23				
8	201816			65				
9	201802			42				
10	201899			65				
11	201949			67				
12	201982			46				
13	202011			29				
14	202058			27				
15	202077			26				
16	202112			54				
17	202132			25				
18	202129			28				
19	202206			27				
20	202209			27				
21	202228			28				
22	202232			28				
23	202310			25.62				
24	202303			28				
25	202317			28				
26	202317			24				
27	202514			56				
28	202535			21				
29	202522			31				
30	202611			14.02				
31	202659			71				
Total				112.4				
Avg.				3.6				
Max.								
Min.								

No. of Active Water Services (10) \_\_\_\_\_ Chemical Analysis (11) \_\_\_\_\_

Dates and Results of Bacteriological Analyses (12) \_\_\_\_\_

Reservoirs or Tanks Cleaned (13) \_\_\_\_\_ Dead Ends Flushed (14) \_\_\_\_\_

General Remarks (15) \_\_\_\_\_

Submitted By (16) \_\_\_\_\_ Certificate No. (17) \_\_\_\_\_

Form No. W-3

All reports due by the 15th of the following month:

3/04

## MONTHLY REPORT

WATER WORKS OPERATION FOR  
GROUND WATER SUPPLIESSEND REPORT TO: TEXAS DEPARTMENT OF HEALTH  
DIVISION OF WATER HYGIENE  
1100 WEST 49th STREET  
AUSTIN, TEXAS 78756-5192(1) Name of System Yardmaster

County \_\_\_\_\_

## MONTHLY REPORT

SEND REPORT TO: TEXAS DEPARTMENT OF HEALTH  
DIVISION OF WATER HYGIENE  
1100 WEST 49TH STREET  
AUSTIN, TEXAS 78756-3192

WATER WORKS OPERATION FOR  
(GROUND) WATER SUPPLIES

(1) Name of System

*Groundwater*

County

(1a) Water System I.D. No.

Month of

*7/1/76* 19

Day of Month	Flowage in Distribution System in Thousand Gals.				(10) Distribution	(11) Generation Control	(12) Taste and Odor Control	(13) Fluoride Residuals
	(1) EL-est	(2) From Cond. Storage	(3) Purchased from Others	(4) Total Flowage				
1	202687			23				
2	202687			28				
3	202719			28				
4	202719			28				
5	202719			28				
6	202719			28				
7	202719			28				
8	202719			28				
9	202719			28				
10	202719			28				
11	202719			28				
12	202719			28				
13	202719			28				
14	202719			28				
15	202719			28				
16	202719			28				
17	202719			28				
18	202719			28				
19	202719			28				
20	202719			28				
21	202719			28				
22	202719			28				
23	202719			28				
24	202719			28				
25	202719			28				
26	202719			28				
27	202719			28				
28	202719			28				
29	202719			28				
30	202719			28				
31	202719			28				
Total				71				
Avg.				2.4				
Max.								
Min.								

No. of Active Water Services (10)

Chemical Analysis (11)

Dates and Results of Bacteriological Analyses (12)

Reservoirs or Tanks Cleaned (13)

Dead Ends Flushed (14)

General Remarks (15)

Submitted By (16)

Certificate No. (17)

FORM NO. W-2

All reports due by the 15th of the following month.

3/84

1	197607			7.4			
2	197632			7.6			
3	197652			7.0			
4	197698			4.0			
5	197707			4.9			
6	197724			7.2			
7	197771			1.7			
8	197816			2.4			
9	197852			1.7			
10	197887			2.6			
11	197916			3.8			
12	197976			8.0			
13	198053			3.7			
14	198061			3.2			
15	198076			1.1			
16	198088			1.2			
17	198110			2.2			
18	198168			3.4			
19	198194			8.0			
20	198206			3.2			
21	198236			7.0			
22	198255			7.9			
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
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89							
90							
91							
92							
93							
94							
95							
96							
97							
98							
99							
100							
Total				101.5			
Avg.				3.3			
Max.							
Min.							

No. of Active Water Services (10) \_\_\_\_\_ Chemical Analysis (11) \_\_\_\_\_

1	199411		31				
2	199412		31				
3	199413		31				
4	199414		31				
5	199415		31				
6	199416		31				
7	199417		31				
8	199418		31				
9	199419		31				
10	199420		31				
11	199421		31				
12	199422		31				
13	199423		31				
14	199424		31				
15	199425		31				
16	199426		31				
17	199427		31				
18	199428		31				
19	199429		31				
20	199430		31				
21	199431		31				
22	199432		31				
23	199433		31				
24	199434		31				
25	199435		31				
26	199436		31				
27	199437		31				
28	199438		31				
29	199439		31				
30	199440		31				
31	199441		31				
Total			119				
Avg.			3.8				
Max.							
Min.							

No. of Active Water Services (10) \_\_\_\_\_ Chemical Analyses (11) \_\_\_\_\_

Dates and Results of Bacteriological Analyses (12) \_\_\_\_\_

Reservoirs or Tanks Cleaned (13) \_\_\_\_\_ Dead Ends Flushed (14) \_\_\_\_\_

General Remarks (15) \_\_\_\_\_

Submitted By (16) \_\_\_\_\_ Certificate No. (17) \_\_\_\_\_

FORM NO. W-2

All reports due by the 15th of the following month.

3/84

# MONTHLY REPORT

WATER WORKS OPERATION FOR  
GROUND WATER SUPPLIES

SEND REPORT TO: TEXAS DEPARTMENT OF HEALTH  
DIVISION OF WATER HYGIENE  
1100 WEST 49th STREET  
AUSTIN, TEXAS 78756-3192

(1) Name of System Landrionat

County \_\_\_\_\_

(1a) Water System I.D. No. \_\_\_\_\_

Month of 4/1/99 1999

Day of Month	Purpase to Distribution System in Thousand Gals.				(4) Distribution	(5) Connection Control	(6) Taste and Odor Control	(7) Filtration Residuals
	(1) Direct	(2) From Gnd. Storage	(3) Purchased from Others	(4) Total Purpase				
1	197302			197302				
2	197303			197303				
3	197304			197304				
4	197305			197305				
5	197306			197306				
6	197307			197307				
7	197308			197308				
8	197309			197309				
9	197310			197310				
10	197311			197311				
11	197312			197312				
12	197313			197313				
13	197314			197314				
14	197315			197315				
15	197316			197316				
16	197317			197317				
17	197318			197318				
18	197319			197319				
19	197320			197320				
20	197321			197321				
21	197322			197322				
22	197323			197323				
23	197324			197324				
24	197325			197325				
25	197326			197326				
26	197327			197327				
27	197328			197328				
28	197329			197329				
29	197330			197330				
30	197331			197331				
31	197332			197332				

## MONTHLY REPORT

 SEND REPORT TO: TEXAS DEPARTMENT OF HEALTH  
 DIVISION OF WATER HYGIENE  
 1100 WEST 49th STREET  
 AUSTIN, TEXAS 78756-5192

 WATER WORKS OPERATION FOR  
 GROUND WATER SUPPLIES

(1) Name of System

Landermon

County

(1a) Water System I.D. No.

Month of

4/1/99

19

Day of Month	Pumpage to Distribution System in Thousand Gals.				(4) Distribution	(5) Correction Control	(6) Taste and Odor Control	(7) Fluoride Residuals
	(1) Street	(2) From Cond. Storage	(3) Purchased from Others	(4) Total Pumpage				
1	197322			43				
2	197325			54				
3	197390			34				
4	197430			58				
5	197457			39				
6	197516			33				
7	197556			37				
8	197580			39				
9	197607			24				
10	197622			25				
11	197627			20				
12	197638			16				
13	197727			49				
14	197724			72				
15	197721			73				
16	197815			204				
17	197832			17				
18	197807			26				
19	197816			43				
20	197876			50				
21	198013			37				
22	198064			32				
23	198076			11				
24	198088			12				
25	198110			28				
26	198164			54				
27	198194			80				
28	198226			322				
29	198236			79				
30	198255			79				
31								
Total				1015				
Avg.				3.3				
Max.								
Min.								

No. of Active Water Services (10)

Chemical Analysis (11)

Dates and Results of Bacteriological Analyses (12)

Reservoirs or Tanks Cleaned (13)

Dead Ends Flushed (14)

General Remarks (15)

Submitted By (16)

Certificate No. (17)

FORM NO. W-2

All reports due by the 15th of the following month.

3/84

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED

JAN 26 2001

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
2688 Woodcrest Drive

Canyon Lake., TX 78133

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-05

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 12-Jan-04

SysType: Spray

Service Rep: MJ

Our inspection found:

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED

OCT 02 2003

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry

14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-05

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 26-Sep-03

SysType: Spray

Service Rep: bjds

Our inspection found:

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Serviced. Checked sprinkler field. Cleaned "Z" filters.

O. David Graham



# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED

OCT 02 2003

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry

14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-05

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 22-Sep-03

SysType: Spray

Service Rep: rds

Our inspection found:

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Responded to Ho call. Reset warning light.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED  
DEC 09 2003  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
14261 River Road

Canyon Lake, TX 78132

County: Comal  
Permit 80526  
Service Contract  
Expires: 25-Jan-05

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on: 25-Nov-03*

SysType: Spray  
Service Rep: rws

*RW Szymanski*

*Our inspection found:*

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)

*Chlorine test results: 0*

*We added 0 tablets to your chlorinator*

*Required Repairs/Comments:*

Repaired leaks in 4 tanks.

*O. David Graham*

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED

JAN 26 2004

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
2688 Woodcrest Drive  
  
Canyon Lake., TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 25-Jan-05

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on: 12-Jan-04*

SysType: Spray  
Service Rep: MJ

### *Our inspection found:*

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

*Required Repairs/Comments:*

*O. David Graham*

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED

OCT 02 2003

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry

14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

Expires: 25-Jan-05

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 26-Sep-03

SysType: Spray

Service Rep: bjrs

Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Serviced. Checked sprinkler field. Cleaned "Z" filters.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED

OCT 02 2003

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
14261 River Road

Canyon Lake., TX 78132

County: Comal

Permit 80526

Service Contract

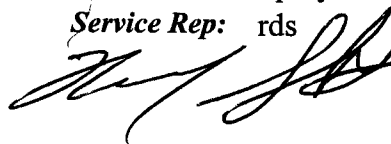
Expires: 25-Jan-05

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 22-Sep-03

SysType: Spray

Service Rep: rds



Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Responded to Ho call. Reset warning light.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED  
DEC 09 2003  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
14261 River Road

Canyon Lake., TX 78132

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 25-Jan-05

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on: 25-Nov-03*

**SysType:** Spray  
**Service Rep:** rws

*Our inspection found:*

*RW Szymanski*

**Field:** Yes acceptable  
**Aerator:** Yes operational  
**Pump:** Yes operational  
**Pump warning light:** Off (if applicable)  
**Aerator warning light:** Off (if applicable)  
**Controls:** Yes operational (if available for inspection)

*Chlorine test results: 0*

*We added 0 tablets to your chlorinator*

**Required Repairs/Comments:**

Repaired leaks in 4 tanks.

**O. David Graham**

RECEIVED

MAY 28 2003

**SOUTH TEXAS WASTEWATER TREATMENT** COUNTY ENGINEER  
Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

**SERVICE RECORD/REPORT**

Startzville Laundry  
14261 River Road

Canyon Lake., TX 78132

County: Comal  
Permit 80526  
Service Contract  
Expires: 25-Jan-05

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on: 20-May-03*

SysType: Spray  
Service Rep: rds

*Our inspection found:*

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)

*Chlorine test results: 0*

*We added 0 tablets to your chlorinator*

***Required Repairs/Comments:***

HO has repaired chlorinator also added risers to hydro action cleaned 2 filters.  
Serviced and checked sprinklers.

*O. David Graham*

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
2688 Woodcrest Drive

Canyon Lake., TX 78133

**County:** Comal

**Permit** 80526

**Service Contract**

**Expires:** 24-Jan-06

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on:* 22-Jun-04

**SysType:** Spray

**Service Rep:** bj

*Our inspection found:*

**Field:** Yes acceptable

**Aerator:** Yes operational

**Pump:** Yes operational

**Pump warning light:** Off (if applicable)

**Aerator warning light:** Off (if applicable)

**Controls:** Yes operational (if available for inspection)

*Chlorine test results:* 0

*We added 0 tablets to your chlorinator*

**Required Repairs/Comments:**

Serviced. Needs pump out. Cleaned 2 filters.

**O. David Graham**



# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED  
JUL 22 2004  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake., TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-06

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 06-Jul-04

SysType: Spray  
Service Rep: rws

Our inspection found:

*Rw Sgraves*

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Pump out and fixed leak.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED  
10/18/04  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
2688 Woodcrest Drive

Canyon Lake., TX 78133

County: Comal

Permit 80526

Service Contract

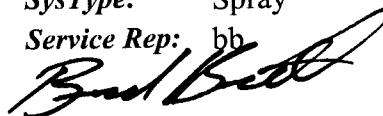
Expires: 24-Jan-06

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 18-Oct-04

SysType: Spray

Service Rep: bh



Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Responded to call. Cleaned filters.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake., TX 78133

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-06

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on:* 08-Nov-04

**SysType:** Spray  
**Service Rep:** bb

*Our inspection found:*

**Field:** Yes acceptable  
**Aerator:** Yes operational  
**Pump:** Yes operational  
**Pump warning light:** Off (if applicable)  
**Aerator warning light:** Off (if applicable)  
**Controls:** Yes operational (if available for inspection)

*Chlorine test results:* 0

*We added 0 tablets to your chlorinator*

### **Required Repairs/Comments:**

Breaker turned off. Owner has health concerns for tenants over water backing up.

**O. David Graham**

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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FEB 15 2005

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake., TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-06

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 04-Feb-05

SysType: Spray  
Service Rep: bj

### Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Serviced. Cleaned 2 filters.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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COUNTY ENGINEER

## SERVICE RECORD/REPORT

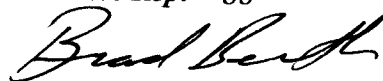
Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake., TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-06

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 15-Feb-05

SysType: Spray  
Service Rep: bb



Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Krain clogged with lint. Removed.

O. David Graham

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AUG 02 2005

COUNTY ENGINEER

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

### SERVICE RECORD/REPORT

Mike Covington Startzville Laund  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133  
,

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-06

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on:* 26-Jul-05

**SysType:** Spray  
**Service Rep:** bj

*Our inspection found:*

<b>Field:</b>	<u>Yes</u>	<i>acceptable</i>
<b>Aerator:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Aerator warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Controls:</b>	<u>Yes</u>	<i>operational (if available for inspection)</i>

*Chlorine test results:* 0

*We added 0 tablets to your chlorinator*

**Required Repairs/Comments:**

Service

**O. David Graham**

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NOV 21 2005

COUNTY ENGINEER

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

### SERVICE RECORD/REPORT

Mike Covington Startzville Laund  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133  
,

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-06

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on:* 10-Nov-05

**SysType:** Spray  
**Service Rep:** jk

*Our inspection found:*

**Field:** Yes acceptable  
**Aerator:** Yes operational  
**Pump:** Yes operational  
**Pump warning light:** Off (if applicable)  
**Aerator warning light:** Off (if applicable)  
**Controls:** Yes operational (if available for inspection)

*Chlorine test results:* 0

*We added 0 tablets to your chlorinator*

**Required Repairs/Comments:**

Replaced (3) sprinklers.

**O. David Graham**

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

DEC 09 2005  
CCL

## SERVICE RECORD/REPORT

Mike Covington Startzville Laund  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-06

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 07-Dec-05

SysType: Spray  
Service Rep: bj

Our inspection found:

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Serviced, cleaned filters

O. David Graham



"ORIGINAL" RECEIVED

JAN 27 2006

COUNTY ENGINEER

**SOUTH TEXAS WASTEWATER TREATMENT**Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 • 830-249-8098 or 1-800-86 WASTE**Jet Home Plant Service Policy**

This agreement entitles: Mike Covington Startzville Laundry 830-237-6232 Comal  
2688 Woodcrest Drive Permit # 80526  
Canyon Lake, Texas 78133

to the following service for 12 month(s) from the date of initial installation or upon expiration of existing contract.

Upon receipt of this signed agreement and \$650.00, SOUTH TEXAS WASTEWATER TREATMENT agrees to perform the following services during the term of this agreement. It is the Homeowners responsibility to see that the chlorinator is stocked with chlorine (Calcium Hypochlorite). This Contract does not include the cost of the chlorine, parts or labor.

Service the Jet Plant 3 times per year. If we are unable to access the property, there will be an additional charge for us to return. These inspections will include:

**PLANT SERVICE**

- \* Removal, inspection, adjustment, and cleaning of aerator, aspirator and shaft and re-installation of same.
- \* Inspection and adjustment of all control settings and overload protection, if there is access at time of service.
- \* Inspection of pump, chlorinator, sprinkler heads, spray area, and test Chlorine and report conditions.
- \* If special arrangements are requested (ie. call ahead, appt., etc), there will be an additional charge.

**EMERGENCY SERVICE**

- \* Three emergency service calls per year at no charge (service call only - does not include parts or labor)
- \* Any service or repairs need due to neglect or abuse of wastewater treatment plant will be billed to the homeowner.
- \* Any warranted parts or labor will be covered according to the manufacturers warranty program. Freight charges to and from the manufacturer will be billed to the homeowner.

We will respond to Homeowner's concerns within 3 working days.

This contract will expire on the following date: 1/24/2007.

M. *[Signature]* MIKE COVINGTON 1-16-2006  
Owner's Signature Date  
(Please sign, date, and return one copy.)  
*[Signature]*  
Accepted for South Texas Wastewater Treatment Date

Revised 7/13/01

Factory Trained Representatives: Oscar D. Graham and Bruce Cobabe

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MAR 16 2006

# SOUTH TEXAS WASTEWATER TREATMENT COUNTY ENGINEER

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

## SERVICE RECORD/REPORT

Mike Covington Startzville Laund  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-07

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on:* 13-Mar-06

**SysType:** Spray  
**Service Rep:** mj

### *Our inspection found:*

**Field:** Yes acceptable  
**Aerator:** Yes operational  
**Pump:** Yes operational  
**Pump warning light:** Off (if applicable)  
**Aerator warning light:** Off (if applicable)  
**Controls:** Yes operational (if available for inspection)

*Chlorine test results:* 0

*We added 0 tablets to your chlorinator*

### *Required Repairs/Comments:*

Cleaned two ME-40 Pumps.

*O. David Graham*

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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MAR 30 2006

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laund  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-07

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on:* 20-Mar-06

**SysType:** Spray  
**Service Rep:** jr

*Our inspection found:*

*Field:* Yes *acceptable*  
*Aerator:* Yes *operational*  
*Pump:* Yes *operational*  
*Pump warning light:* Off *(if applicable)*  
*Aerator warning light:* Off *(if applicable)*  
*Controls:* Yes *operational (if available for inspection)*



*Chlorine test results:* 0

*We added 0 tablets to your chlorinator*

**Required Repairs/Comments:**

Serviced, cleaned filters.

*O. David Graham*

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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APR 04 2006  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laund  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-07

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 27-Mar-06

SysType: Spray  
Service Rep: jr

Our inspection found:

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)



Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Replaced four sprinklers.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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JUN 06 2006

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laund  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-07

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 24-May-06

SysType: Spray  
Service Rep: rws

*RWS*

Our inspection found:

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Replaced T and two couplers in pump tank.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED

JUN 23 2006

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laund  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-07

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 15-Jun-06

SysType: Spray  
Service Rep: jr

Our inspection found:

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)



Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Serviced, cleaned filters

O. David Graham

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AUG 08 2006

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laund  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133

County: Comal

Permit 80526

Service Contract

Expires: 24-Jan-07

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 31-Jul-06

SysType: Spray

Service Rep: JK

Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Installed ME 40 pump.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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NOV 20 2006  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake, Texas 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-07

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 10-Nov-06

SysType: Spray  
Service Rep: jr

### Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)



Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Service

O. David Graham



# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

## WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

REGULATORY AUTHORITY Comal County PERMIT/LICENCE # 80526

Customer: Mike Covington Startzville L Mailing Address: 2688 Woodcrest Drive  
Site Address: 8719 FM 2673 Canyon Lake, TX 78133

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FEB 06 2007  
COUNTY ENGINEER

- I. General: This Work for Hire Agreement ( hereinafter referred to as "Agreement" ) is entered into by and between Mike Covington Startzville Laundry (hereinafter referred to as "Customer") and South Texas Wastewater Treatment. By this agreement, South Texas Wastewater Treatment and its' employees ( hereinafter referred to as "Contractor" ) agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein.
- II. Effective Dates: This agreement commences on 1/24/2007 and ends on 1/24/2009 for a total of two (2) years. The date of commencement will be the date the "Notice of Approval" (Authorization to Operate) was issued by the permitting authority (unless otherwise required by regulating Authority). This agreement may or may not commence at the same time as any warranty period of installed equipment, but in no case shall it extend the specified warranty as stated in our PROPOSAL AND CONTRACT FOR SERVICES.
- III. Renewal: This Agreement shall automatically renew for an additional period of two (2) years at the same terms and conditions unless either party gives notice of termination a minimum of thirty (30) days prior to end of first agreement period. See Section IV.
- IV. Termination of Agreement: This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform in accordance with its terms, without fault or liability of the terminating party. If this Agreement is so terminated, Contractor will be paid at the rate of \$ 75.00 per hour for any work performed and for which compensation has not been received. After the deduction of all outstanding charges, any remaining monies from prepayment for services will be refunded to customer within thirty (30) days. Either party terminating this agreement for any reason, including non-renewal, shall notify in writing the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination.
- V. Services: Contractor will:
- Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulations, for a total of 3 visits to site per year.
  - Provide a written record of visits to the site by means of an inspection tag attached to or contained in or near the control panel.
  - Repair or replace, if Contractor has necessary materials at site, any component of the OSSF found to be failing or inoperative during the course of routine monitoring visit. If such services are not covered by warranty, and service costs are \$ 100.00 or less, Customer hereby authorizes Contractor to perform the service and bill Customer for said service. When service costs are greater than \$ 100.00 , or if contractor does not have necessary supplies at the site, Contractor will notify Customer of required service (s) and associated cost (s). Customer must notify Contractor of arrangements to effect repair of system within two (2) business days after said notification, or Contractor will effect repairs and bill Customer for service as required by State and/or local Agency rules.
  - Provide sample collection and laboratory testing of TSS and BOD on a yearly basis as required by permit. An additional charge will be incurred by the Customer for this service. (Only required for other than single family residence.).
  - Forward copies of this Agreement and all reports to the regulatory agency and the customer within 14 days.
  - Visit site in response to Customer's request for unscheduled service within forty-eight (48) hours of the date of notification of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.
- VI. Disinfection: Not Required. X Required. The responsibility to maintain the disinfection device (s) and provide any necessary chemicals is that of the Customer. If the Customer pays for it (See Attached Invoice), Contractor will add 12 tablets of chlorine at routine services (See Section V Sub-section A) INITIAL
- VII. Electronic Monitoring is X is not included in this Agreement.
- VIII. Performance of Agreement: Commencement of performance by Contractor under this agreement is contingent on the following conditions:
- If this is an initial agreement ( new installation ):
    - Contractor's receipt of a fully executed original copy or facsimile of this agreement and all documentation requested by Contractor.
    - Contractor providing the equipment and installation for this OSSF.
    - Contractor's receipt of payment in full for the equipment and installation.
    - Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in section XIV of this Agreement.
  - If this is not an initial agreement (existing system):
    - Contractor's receipt of a fully executed original copy of this agreement and all documentation requested by Contractor.
    - Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
  - If the above conditions are not met, Contractor is not obligated to perform any portion of this agreement.
- Customer Mike Covington Startzville Laundry PERMIT/LICENSE NUMBER 80526
- IX. Customer's Responsibilities: The Customer is responsible for each and all of the following :
- Provide all necessary yard or lawn maintenance and the removal of all obstacles, including but not limited to dogs and other animals, vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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COUNTY ENGINEER

## WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

- B. Protect equipment from physical damage including but not limited to that damage caused by insects.
- C. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for an on-site sewage facility (OSSF) from the State and/or local regulatory agency, whichever are more stringent, as well as proprietary system's manufacturer recommendations.
- D. Notify Contractor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.
- E. Provide, upon request by Contractor, water usage records for evaluation by Contractor as to the performance of the OSSF.
- F. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section. Sub-section D. above, Customer agrees to pay Contractor for sample collection and transportation, portal to portal, at a rate of \$65.00 per hour plus the associated fees for laboratory testing.
- G. Prevent the backwash or flushing of water treatment of conditioning equipment from entering the OSSF.
- H. Prevent the condensate from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
- I. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contractor, at Customer's expense.
- J. Maintain site drainage to prevent adverse effects on the OSSF.
- K. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.

X. Access by Contractor: Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and proprietary system manufacturer. If not an initial agreement (new installation) and this access is not in place or provided for by the customer, the costs for the labor of excavation, and possibly other labor and materials costs, will be required. These costs shall be billed to Customer as an additional service at a rate of \$75.00 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electric cables, water air or gas lines, etc.), or for the uneven settling of the soil.

XI. Limit of Liability: Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.

XII. Severability: If any provision of this "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

XIII. Fee for Services: The fee for the basic Services described in this Agreement is \$1,300.00. This fee does not include any equipment, materials, or labor necessary for non-warranty repairs or for unscheduled, Customer requested visits to the site.

XIV. Payment: Payment of Fee for Services for the original two year term as stated above is to be made as follows:

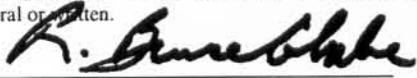
           Included in PROPOSAL AND CONTRACT number 844  
           Full amount due upon signature (Required of new Customer)  
           Payments of \$            due upon receipt of invoice. (Payment terms for renewal of agreement.)

Payment of invoice(s) for any other service or repair provided by contractor is due upon receipt of invoice.

Invoices are mailed on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a \$29.00 late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Any check returned to Contractor for any reason will be assessed a \$30.00 returned check fee.

XV. Application of Transfer of payment: The fees paid for this agreement will transfer to the subsequent property owner(s); however this agreement is not transferable. Customer will advise subsequent property owner(s) of the state requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be received from Customer first to any past due obligations arising from this Agreement including late fees or penalties, returned check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this agreement. See Section IV.

XVI. Entire Agreement: This agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement, oral or written.



Name

12/30/2006

Date

Texas Installer II and Site Evaluator License numbers  
OS 4815 and OS 12360.

Certified Service Provider for: Jet Inc.

Member: Texas On-Site Wastewater Association and National On-site Wastewater Recycling Association.

ATU Brand Jet Inc.

Acceptance of Agreement: The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to perform the Services as specified. It is understood and agreed that this work is not provided for in any other agreement and no contractual rights arise until this "Agreement" is accepted in writing AND payment is made as outlined above.

  
Customer

1-18-07

PLEASE SIGN AND RETURN ONE COPY ALONG WITH PAYMENT

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

## SERVICE RECORD/REPORT

Mike Covington Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County:

Permit

Service Contract

Expires:

Comal

80526

24-Jan-07

Site: 8719 FM 2673

Canyon Lake, TX 78133

SysType:

Service Rep:

Spray

obj

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JAN 29 2007

COUNTY ENGINEER

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 22-Jan-07

Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Off</u>	operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Had to replace ME40 pump.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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MAR 23 2007

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 16-Mar-07

SysType: Spray  
Service Rep: dh

Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)



UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Serviced

Brought aerator 6389TZ back to shop for testing. Installed spare #12.

O. David Graham

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APR 16 2007

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal

Permit 80526

Service Contract

Expires: 24-Jan-09

Site: 8719 FM 2673  
Canyon Lake, TX 78133

SysType: Spray

Service Rep: mfb

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 11-Apr-07

Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 2

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Serviced  
Installed rebuilt aerator.  
Removed spare #12.

O. David Graham

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MAY 08 2007

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 18-Apr-07

SysType: Spray  
Service Rep: jr

Our inspection found:

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)



UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Installed rebuilt aerators, 6392TZXR and 6386TZXR.  
Removed spares #12 & #20.

O. David Graham

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MAY 08 2007

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

### SERVICE RECORD/REPORT

Mike Covington Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 25-Apr-07

SysType: Spray  
Service Rep: jr

Our inspection found:

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)



UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

#### Required Repairs/Comments:

Repaired broken sprinkler line and replaced third sprinkler by cliff drop off -  
broken at couple by a vehicle.  
Replaced housing on sprinkler by entrance to sprinkler field (N/C).

O. David Graham



# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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MAY 16 2007

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 11-May-07

SysType: Spray  
Service Rep: jr

Our inspection found:

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)



UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Checked out system - checked pumps in light stations. All working fine. Water level low. Checked and cleaned all filters. No blockage detected.

O. David Graham



# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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JUN 11 2007  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 05-Jun-07

Site: 8719 FM 2673  
Canyon Lake, TX 78133

SysType: Spray  
Service Rep: jr

Our inspection found:

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)



UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Removed lint and candy wrappers around propeller to pump - pumps are now working fine at this time.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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NOV 06 2007

COUNTY ENGINEER

## SERVICE RECORD/REPORT

Mike Covington Startzville Laundry  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal

Permit 80526

Service Contract

Expires: 24-Jan-09

Dear Customer,

Site: 8719 FM 2673

Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 19-Oct-07

SysType: Spray

Service Rep: ch cr

*C. H. H. H.*

Our inspection found:

Field: Yes acceptable

Aerator: Yes operational

Pump: Yes operational

Pump warning light: Off (if applicable)

Aerator warning light: Off (if applicable)

Controls: Yes operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 1

We added 12 tablets to your chlorinator

### Required Repairs/Comments:

Serviced

Two aerators, 6389TZXR and 6392TZHR, not running. Installed spares #16 & #21 to be used in the meantime.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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DEC 14 2007

COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal

Permit 80526

Service Contract

Expires: 24-Jan-09

Site: 8719 FM 2673  
Canyon Lake, TX 78133

SysType: Spray

Service Rep: bj ch

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 23-Nov-07

Our inspection found:

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Responded to 11/21/07 call - had to replace ME40 pump. Also, unclogged the 2nd ME40 while we were there.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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DEC 14 2007

COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal

Permit 80526

Service Contract

Expires: 24-Jan-09

Site: 8719 FM 2673  
Canyon Lake, TX 78133

SysType: Spray

Service Rep: cr bj

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 26-Nov-07

Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Installed repaired aerator, 6389TZXR (under warranty). Cleaned filters.  
Removed spare #16.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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DEC 14 2007

COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal

Permit 80526

Service Contract

Expires: 24-Jan-09

Site: 8719 FM 2673  
Canyon Lake, TX 78133

SysType: Spray

Service Rep: cr bj

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 26-Nov-07

Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Replaced aerator 6160TY with Jet Xchange aerator, NOV07-0074. Removed spare #21. Cleaned filters.

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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JAN 10 2008  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Site: 8719 FM 2673  
Canyon Lake, TX 78133

SysType: Spray  
Service Rep: jr cr

Dear Customer,

We serviced and/or repaired  
your aerobic treatment unit on: 21-Dec-07

Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

*Se to*

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Required Repairs/Comments:

Replaced (2) ME40 pumps with (2) MW-50 pumps.

O. David Graham

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## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

### SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 14-Feb-08

SysType: Spray  
Service Rep: ch cr



Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 1.5

We added 12 tablets to your chlorinator

Required Repairs/Comments:

Serviced

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

RECEIVED  
JUN 17 2008  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 02-Jun-08

SysType: Spray  
Service Rep: rs bj

Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

### Required Repairs/Comments:

Responded to customer call -  
Could only find one sprinkler not working. Replaced. Should make other sprinklers  
in line work.

O. David Graham



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JUN 27 2008

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

### SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 23-Jun-08

SysType: Spray  
Service Rep: rs bj



Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

#### Required Repairs/Comments:

Responded to customer call -  
Adjusted float switch (it was stuck).

O. David Graham

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# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

JUN 17 2008

COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-09

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 28-May-08

SysType: Spray  
Service Rep: ch



Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 1.3

We added 12 tablets to your chlorinator

### Required Repairs/Comments:

Serviced  
Replaced wiring on aerator 6392TZXR (under warranty).

O. David Graham

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JUL 24 2008

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

**County:** Comal

**Permit** 80526

**Service Contract**

**Expires:** 24-Jan-09

**Site:** 8719 FM 2673  
Canyon Lake, TX 78133

**SysType:** Spray

**Service Rep:** rws

*Dear Customer,*

*We serviced and/or repaired  
your aerobic treatment unit on:* 01-Jul-08

*Our inspection found:*

*Field:* Yes *acceptable*  
*Aerator:* Yes *operational*  
*Pump:* Yes *operational*  
*Pump warning light:* Off *(if applicable)*  
*Aerator warning light:* Off *(if applicable)*  
*Controls:* Yes *operational (if available for inspection)*

*UTA- Unable To Access*

*Chlorine test results:* 0

*We added 0 tablets to your chlorinator*

### *Required Repairs/Comments:*

Replaced two (2) lower pump float switches. Unit is running again.

*O. David Graham*

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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DEC 18 2008

COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-09

Dear Customer,

**Site:** 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 02-Dec-08

**SysType:** Spray  
**Service Rep:** bj

### Our inspection found:

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 1

We added 0 tablets to your chlorinator

Sludge Level \_\_\_\_ inches, Last Checked on: \_\_\_\_\_

### Required Repairs/Comments:

Serviced  
Customer adds own chlorine.

O. David Graham

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FEB 24 2011

# SOUTH TEXAS WASTEWATER TREATMENT COUNTY ENGINEER

Authorized JET Distributor - Home and Commercial - Engineering Services  
P.O. Box 1284 Boerne, Texas 78006 • 830-249-8098 or 1-800-86-WASTE

## WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

REGULATORY AUTHORITY: ☐ Comal ☐ Comity ☐ PERMIT LICENSE # 80526

Customer: Mike Covington Startzville Laundry  
Site Address: 8719 FM 2673  
Canyon Lake TX 78133

Mail To: C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

I. General: This Work for Hire Agreement (hereinafter referred to as "Agreement") is entered into by and between Mike Covington Startzville Laundry (hereinafter referred to as "Customer") and South Texas Wastewater Treatment, Inc. (hereinafter referred to as "Contractor"). By this agreement, South Texas Wastewater Treatment and its employees (hereinafter referred to as "Contractor") agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her their responsibilities as described herein.

II. Effective Dates: This agreement commences on 1/24/2009 and ends on 1/24/2011 for a total of two (2) years. The date of commencement will be the date the "Notice of Approval" (Authorization to Operate) was issued by the permitting authority (unless otherwise required by regulating Authority). This agreement may or may not commence at the same time as any warranty period on installed equipment, but in no case shall it extend the specified warranty as stated in our PROPOSAL AND CONTRACT FOR SERVICES.

III. Renewal: This Agreement shall automatically renew for an additional period of two (2) years at the same terms and conditions unless either party gives notice of termination a minimum of thirty (30) days prior to end of first agreement period. See Section IV.

IV. Termination of Agreement: This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform in accordance with its terms, without fault or liability of the terminating party. NOT REQUIRED. If this Agreement is so terminated, Contractor will be paid at the rate of \$ 75.00 per hour for any work performed and for which compensation has not been received. After the deduction of all outstanding charges, any remaining monies from prepayment for services will be refunded to customer within thirty (30) days. Either party terminating this agreement for any reason, including non-renewal, shall notify in writing the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination.

V. Services: Contractor will

- Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulations approximately every four months.
- Provide a written record of visits to the site by means of an inspection tag attached to or contained in or near the control panel.
- Repair or replace, if Contractor has necessary materials at site, any component of the OSSF found to be failing or inoperative during the course of routine monitoring visit. If such services are not covered by warranty, and service costs are \$ 100.00 or less, Customer hereby authorizes Contractor to perform the service and bill Customer for said service. When service costs are greater than \$ 100.00, or if contractor does not have necessary supplies at the site, Contractor will notify Customer of required service(s) and associated cost(s). Customer must notify Contractor of arrangements to effect repair of system within two (2) business days after said notification, or Contractor will effect repairs and bill Customer for service as required by State and/or local Agency rules.
- Provide sample collection and laboratory testing of TSS and BOD on a yearly basis as required by permit. An additional charge will be incurred by the Customer for this service. (Only required for other than single family residence.)
- Forward copies of this Agreement and all reports to the regulatory agency and the customer within 14 days.
- Visit site in response to Customer's request for unscheduled service within forty-eight (48) hours of the date of notification of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.

VI. Disinfection: ☐ Not Required ☒ Required. The responsibility to maintain the disinfection device (s) and provide any necessary chemicals is that of the Customer. If the Customer pays for it (See Attached Invoices) Contractor will add 12 tablets of chlorine at routine service (See Section V, Sub-section A).

Sub-section A: INITIAL

VII. Electronic Monitoring: ☐ is, ☒ is not included in this Agreement.

VIII. Performance of Agreement: Commencement of performance by Contractor under this agreement is contingent on the following conditions:

- If this is an initial agreement (new installation):
  - Contractor's receipt of a fully executed original copy of this agreement and all documentation requested by Contractor.
  - Contractor providing the equipment and installation for this OSSF.
  - Contractor's receipt of payment in full for the equipment and installation.
  - Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in section XIV of this Agreement.
- If this is not an initial agreement (existing system):
  - Contractor's receipt of a fully executed original copy of this agreement and all documentation requested by Contractor.
  - Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
- If the above conditions are not met, Contractor is not obligated to perform any portion of this agreement.

Customer: Mike Covington Startzville Laundry

PERMIT LICENSE NUMBER 80526

IX. Customer's Responsibilities: The Customer is responsible for each and all of the following:

- Provide all necessary yard or lawn maintenance and the removal of all obstacles, including but not limited to dogs and other animals, vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.

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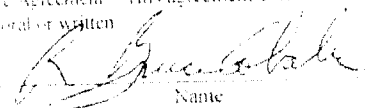
# SOUTH TEXAS WASTEWATER TREATMENT

Authorized Jet Distributor - Home and Commercial - Engineering Services  
P.O. Box 1284 Boerne, Texas 78006 • 830-249-5678 or 1-800-86-WASTE

COUNTY ENGINEER

## WASTEWATER TREATMENT FACILITY MONITORING AGREEMENT

- B. Protect equipment from physical damage including but not limited to that damage caused by insects.
- C. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for an on-site sewage facility (OSSF) from the State and/or local regulatory agency, whichever are more stringent, as well as proprietary system's manufacturer recommendations.
- D. Notify Contractor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.
- E. Provide, upon request by Contractor, water usage records for evaluation by Contractor as to the performance of the OSSF.
- F. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section (Sub-section I) above, Customer agrees to pay Contractor for sample collection and transportation, portal to portal, at a rate of \$65.00 per hour plus the associated fees for laboratory testing.
- G. Prevent the backwash or flushing of water treatment or conditioning equipment from entering the OSSF.
- H. Prevent the condensate from air conditioning or refrigeration units, or the drains of roommakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
- I. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contractor, at Customer's expense.
- J. Maintain site drainage to prevent adverse effects on the OSSF.
- K. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.
- X. Access by Contractor. Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. If SPECIAL ARRANGEMENTS ARE REQUESTED (E.G., CALL AHEAD, APPOINTMENTS, ETC.), THERE WILL BE AN ADDITIONAL CHARGE. Tanks and treatment units shall be accessible by means of man ways, or risers, and removable covers, for the purpose of evaluation as required by State and/or local rules and proprietary system manufacturer. If not an initial agreement (new installation) and this access is not in place or provided for by the customer, the costs for the labor of excavation, and possibly other labor and materials costs, will be required. These costs shall be billed to Customer as an additional service at a rate of \$75.00 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electrical cables, water air or gas lines, etc.), or for the uneven settling of the soil.
- XI. Limit of Liability. Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profit or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total fee for Services amount paid by Customer under this Agreement.
- XII. Severability. If any provision of this "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.
- XIII. Fee for Services. The fee for the basic Services described in this Agreement is \$1,500.00. This fee does not include any equipment materials, or labor necessary for non-warranty repairs or for unscheduled, Customer requested visits to the site.
- XIV. Payment. Payment of fee for Services for the original two year term as stated above is to be made as follows:
- \_\_\_\_\_ Included in PROPOSAL AND CONTRACT number 841  
\_\_\_\_\_ Full amount due upon signature (Required of new Customer)  
☒ Payments of \$ 750.00 due upon receipt of invoice. (Payment terms for renewal of agreement + Payment of invoices) for any other service or repair provided by contractor is due upon receipt of invoice.
- Invoices are mailed on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debts. Any check returned to Contractor for any reason will be assessed a \$10.00 returned check fee.
- XV. Application of Transfer of payment. The fees paid for this agreement will transfer to the subsequent property owner(s), however this agreement is not transferable. Customer will advise subsequent property owner(s) of the state requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be received from customer first to any past due obligations arising from this Agreement including late fees or penalties, returned check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The discontinuance of funds in this manner may cause a reduction in the termination date of effective coverage per this agreement. See Section IV.
- XVI. Entire Agreement. This agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement, oral or written.

  
Name

2-14-2009  
Date

Texas Installer # and Site Evaluator # license numbers  
OS 4815 and OS 12360

Certified Service Provider for Jet Inc.  
Member, Texas On-Site Wastewater Association and National On-site Wastewater Recycling Association

XVII. Brand Jet Inc.  
Acceptance of Agreement. The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to perform the Services as specified. It is understood and agreed that this work is not provided for in any other agreement and no contractual rights arise until this "Agreement" is accepted in writing AND payment is made as outlined above.

  
Customer

2-14-2009  
Date

PLEASE SIGN AND RETURN ONE COPY ALONG WITH PAYMENT

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# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-11

*Dear Customer,*

**Site:** 8719 FM 2673  
Canyon Lake, TX 78133

*We serviced and/or repaired  
your aerobic treatment unit on:* 06-May-09

**SysType:** Spray  
**Service Rep:** jr bj

*Our inspection found:*

<b>Field:</b>	<u>Yes</u>	<i>acceptable</i>
<b>Aerator:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Aerator warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Controls:</b>	<u>Yes</u>	<i>operational (if available for inspection)</i>

**UTA- Unable To Access**

*Chlorine test results:* 1.3

*We added 0 tablets to your chlorinator*

*Sludge Level \_\_\_\_ inches, Last Checked on: \_\_\_\_\_*

**Required Repairs/Comments:**

Serviced  
Customer adds own chlorine. Replaced three sprinklers (two were under warranty)  
closest to field entrance.

*O. David Graham*

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DEC 2 1 2509

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

### SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-11

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 04-Dec-09

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: or jr

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)



UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Sludge Level \_\_\_\_ inches, Last Checked on: \_\_\_\_\_

#### Required Repairs/Comments:

Serviced - cleaned all four (4) aerators and cleaned air filters on air pumps. System is working fine at this time. Cleaned both filters by fence and checked EQ pumps - all working fine. Checked sprinkler field - replaced sprinkler by cliff (they were broken on top).

O. David Graham



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JUL 19 2010

**SOUTH TEXAS WASTEWATER TREATMENT**

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

**SERVICE RECORD/REPORT**

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal

Permit 80526

Service Contract

Expires: 24-Jan-11

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 11-Jun-10

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray

Service Rep: dd jr

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 1

We added 0 tablets to your chlorinator

Sludge Level \_\_\_\_\_ inches, Last Checked on: \_\_\_\_\_

Required Repairs/Comments:

Serviced

System has liquid chlorinator.

Cleaned all four (4) aerators. Please cut back grass. Thank you.

O. David Graham

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AUG 02 2010

COUNTY ENGINEER

## **SOUTH TEXAS WASTEWATER TREATMENT**

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

### **SERVICE RECORD/REPORT**

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-11

*Dear Customer,*

**Site:** 8719 FM 2673  
Canyon Lake, TX 78133

*We serviced and/or repaired  
your aerobic treatment unit on:* 11-Jun-10

**Email:** MWC1652@aol.com

*Our inspection found:*

**SysType:** Spray  
**Service Rep:** dd jr

<b>Field:</b>	<u>Yes</u>	<i>acceptable</i>
<b>Aerator:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Aerator warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Controls:</b>	<u>Yes</u>	<i>operational (if available for inspection)</i>



**UTA- Unable To Access**

*Chlorine test results:* 1

*We added 0 tablets to your chlorinator*

*Sludge Level* \_\_\_\_\_ *inches, Last Checked on:* \_\_\_\_\_

**Required Repairs/Comments:**

Serviced  
System has liquid chlorinator.  
Cleaned all four (4) aerators. Please cut back grass. Thank you.

*O. David Graham*

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DEC 15 2010

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

COUNTY ENGINEER

### SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-11

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 09-Nov-10

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: rs bj

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 1

We added 0 tablets to your chlorinator

Sludge Level \_\_\_\_\_ inches, Last Checked on: \_\_\_\_\_

#### Required Repairs/Comments:

Serviced

System has a liquid chlorinator. Found aerators 6386TZXR & 6392TZXR bearings shot - aerators had to be replaced. Installed OCT10-0254 & OCT10-0611 (warranties expire 5/9/2013).

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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JAN 11 2011

COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-11

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 03-Jan-11

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: CC

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Sludge Level \_\_\_\_ inches, Last Checked on: \_\_\_\_\_

### Required Repairs/Comments:

replaced pump and installed check valves. Replaced light bulb in warning light.  
Tanks were overflowing on arrival. Let it pump down overnight. Everything  
working ok now.  
Highly recommend this system be pumped out as soon as possible. CC

O. David Graham

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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FEB 14 2011

COUNTY ENGINEER

## WASTEWATER TREATMENT FACILITY MAINTENANCE AGREEMENT

REGULATORY AUTHORITY Comal County PERMIT/LICENCE # 80526

Customer: Mike Covington Startzville Laundry  
Site Address: 8719 FM 2673  
Canyon Lake TX 78133

Mail To: C & M Investments  
2688 Woodcrest Drive  
Canyon Lake TX 78133

I. General: This Work for Hire Agreement ( hereinafter referred to as "Agreement" ) is entered into by and between Mike Covington Startzville Laundry (hereinafter referred to as "Customer") and South Texas Wastewater Treatment. By this agreement, South Texas Wastewater Treatment and its' employees ( hereinafter referred to as "Contractor" ) agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein.

II. Effective Dates: This agreement commences on 1/24/2011 and ends on 1/24/2013 for a total of two (2) years. The date of commencement will be the date the "Notice of Approval" (Authorization to Operate) was issued by the permitting authority (unless otherwise required by regulating Authority). This agreement may or may not commence at the same time as any warranty period of installed equipment, but in no case shall it extend the specified warranty as stated in our PROPOSAL AND CONTRACT FOR SERVICES.

III. Renewal: This Agreement shall automatically renew for an additional period of two (2) years at the same terms and conditions unless either party gives notice of termination a minimum of thirty (30) days prior to end of first agreement period. See Section IV.

IV. Termination of Agreement: This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform in accordance with its terms, without fault or liability of the terminating party. NO REFUNDS. If this Agreement is so terminated, Contractor will be paid at the rate of \$ 75.00 per hour for any work performed and for which compensation has not been received. After the deduction of all outstanding charges, any remaining monies from prepayment for services will be refunded to customer within thirty (30) days. Either party terminating this agreement for any reason, including non-renewal, shall notify in writing the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination.

V. Services: Contractor will:

- A. Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulations approximately every four months.
- B. Provide a written record of visits to the site by means of an inspection tag attached to or contained in or near the control panel.
- C. Repair or replace, if Contractor has necessary materials at site, any component of the OSSF found to be failing or inoperative during the course of routine monitoring visit. If such services are not covered by warranty, and service costs are \$ 100.00 or less, Customer hereby authorizes Contractor to perform the service and bill Customer for said service. When service costs are greater than \$ 100.00, or if contractor does not have necessary supplies at the site, Contractor will notify Customer of required service (s) and associated cost (s). Customer must notify Contractor of arrangements to effect repair of system within two (2) business days after said notification, or Contractor will effect repairs and bill Customer for service as required by State and/or local Agency rules.
- D. Provide sample collection and laboratory testing of TSS and BOD on a yearly basis as required by permit. An additional charge will be incurred by the Customer for this service. (Only required for other than single family residence.).
- E. Forward copies of this Agreement and all reports to the regulatory agency and the customer within 14 days.
- F. Visit site in response to Customer's request for unscheduled service within forty-eight (48) hours of the date of notification of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.

VI. Disinfection: ☒ Not Required. ☐ Required. The responsibility to maintain the disinfection device (s) and provide any necessary chemicals is that of the Customer. If the Customer pays for it (See Attached Invoice), Contractor will add 12 tablets of chlorine at routine services (See Section V Sub-section A) INITIAL

VII. Electronic Monitoring is ☒ is not included in this Agreement.

VIII. Performance of Agreement: Commencement of performance by Contractor under this agreement is contingent on the following conditions:

- A. If this is an initial agreement ( new installation ):
  1. Contractor's receipt of a fully executed original copy or facsimile of this agreement and all documentation requested by Contractor.
  2. Contractor providing the equipment and installation for this OSSF.
  3. Contractor's receipt of payment in full for the equipment and installation.
  4. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in section XIV of this Agreement.
- B. If this is not an initial agreement (existing system):
  1. Contractor's receipt of a fully executed original copy of this agreement and all documentation requested by Contractor.
  2. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
- C. If the above conditions are not met, Contractor is not obligated to perform any portion of this agreement.

Customer Mike Covington Startzville Laundry PERMIT/LICENSE NUMBER 80526

IX. Customer's Responsibilities: The Customer is responsible for each and all of the following :

- A. Provide all necessary yard or lawn maintenance and the removal of all obstacles, including but not limited to dogs and other animals, vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

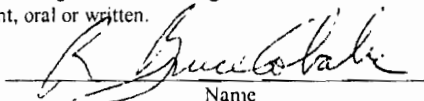
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FEB 14 2011

COUNTY ENGINEER

## WASTEWATER TREATMENT FACILITY MAINTENANCE AGREEMENT

- B. Protect equipment from physical damage including but not limited to that damage caused by insects.
- C. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for an on-site sewage facility (OSSF) from the State and/or local regulatory agency, whichever are more stringent, as well as proprietary system's manufacturer recommendations.
- D. Notify Contractor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.
- E. Provide, upon request by Contractor, water usage records for evaluation by Contractor as to the performance of the OSSF.
- F. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section. Sub-section D. above, Customer agrees to pay Contractor for sample collection and transportation, portal to portal, at a rate of \$65.00 per hour plus the associated fees for laboratory testing.
- G. Prevent the backwash or flushing of water treatment of conditioning equipment from entering the OSSF.
- H. Prevent the condensate from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
- I. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contractor, at Customer's expense.
- J. Maintain site drainage to prevent adverse effects on the OSSF.
- K. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.
- X. Access by Contractor: Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. IF SPECIAL ARRANGEMENTS ARE REQUESTED (I.E., CALL AHEAD, APPOINTMENTS, ETC.), THERE WILL BE AN ADDITIONAL CHARGE. Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and proprietary system manufacturer. If not an initial agreement (new installation) and this access is not in place or provided for by the customer, the costs for the labor of excavation, and possibly other labor and materials costs, will be required. These costs shall be billed to Customer as an additional service at a rate of \$75.00 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electric cables, water air or gas lines, etc.), or for the uneven settling of the soil.
- XI. Limit of Liability: Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.
- XII. Severability: If any provision of this "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.
- XIII. Fee for Services: The fee for the basic Services described in this Agreement is \$1,300.00. This fee does not include any equipment, materials, or labor necessary for non-warranty repairs or for unscheduled, Customer requested visits to the site.
- XIV. Payment: Payment of Fee for Services for the original two year term as stated above is to be made as follows:
- ☒ Included in PROPOSAL AND CONTRACT number 844
- ☐ Full amount due upon signature (Required of new Customer)
- ☒ Payments of \$ 1300.00 due upon receipt of invoice. (Payment terms for renewal of agreement.)
- Payment of invoice(s) for any other service or repair provided by contractor is due upon receipt of invoice.
- Invoices are mailed on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Any check returned to Contractor for any reason will be assessed a \$30.00 returned check fee.
- XV. Application of Transfer of payment: The fees paid for this agreement will transfer to the subsequent property owner(s); however this agreement is not transferable. Customer will advise subsequent property owner(s) of the state requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be received from Customer first to any past due obligations arising from this Agreement including late fees or penalties, returned check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this agreement. See Section IV.
- XVI. Entire Agreement: This agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement, oral or written.

  
Name

12/21/2010  
Date

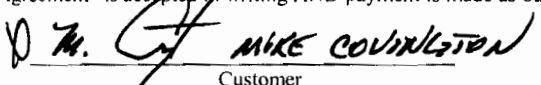
Texas Installer II and Site Evaluator License numbers  
OS 4815 and OS 12360.

Certified Service Provider for: Jet Inc.

Member: Texas On-Site Wastewater Association and National On-site Wastewater Recycling Association.

ATTN: Brand Jet Inc.

Acceptance of Agreement: The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to perform the Services as specified. It is understood and agreed that this work is not provided for in any other agreement and no contractual rights arise until this "Agreement" is accepted in writing AND payment is made as outlined above.

 MIKE COVINGTON  
Customer Date

1-17-2011

PLEASE SIGN AND RETURN ONE COPY ALONG WITH PAYMENT

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

03/10/2011  
COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-13

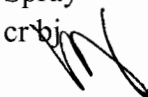
*Dear Customer,*

**Site:** 8719 FM 2673  
Canyon Lake, TX 78133

*We serviced and/or repaired  
your aerobic treatment unit on:* 10-Mar-11

**Email:** MWC1652@aol.com

*Our inspection found:*

**SysType:** Spray  
**Service Rep:** crbj 

<b>Field:</b>	<u>Yes</u>	<i>acceptable</i>
<b>Aerator:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Aerator warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Controls:</b>	<u>Yes</u>	<i>operational (if available for inspection)</i>

**UTA- Unable To Access**

*Chlorine test results:* 1

*We added 0 tablets to your chlorinator*

*Sludge Level* \_\_\_\_\_ *inches, Last Checked on:* \_\_\_\_\_

### **Required Repairs/Comments:**

Serviced  
System has a liquid chlorinator. Unclogged aerators. Cleaned filters and checked sprays.

**O. David Graham**

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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SEP 02 2011

COUNTY ENGINEER

## SERVICE RECORD/REPORT

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-13

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 12-Aug-11

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: jv jr

Field:	<u>Yes</u>	acceptable
Aerator:	<u>Yes</u>	operational
Pump:	<u>Yes</u>	operational
Pump warning light:	<u>Off</u>	(if applicable)
Aerator warning light:	<u>Off</u>	(if applicable)
Controls:	<u>Yes</u>	operational (if available for inspection)



UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Sludge Level \_\_\_\_ inches, Last Checked on: \_\_\_\_\_

### Required Repairs/Comments:

Serviced  
Cleaned all aerators and air pump filters. Please cut back grass around sprinklers.

O. David Graham



JAN 30 2012

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

### SERVICE RECORD/REPORT

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

**County:** Comal  
**Permit** 80526  
**Service Contract**  
**Expires:** 24-Jan-13

*Dear Customer,*

**Site:** 8719 FM 2673  
Canyon Lake, TX 78133

*We serviced and/or repaired  
your aerobic treatment unit on:* 25-Jan-12

**Email:** MWC1652@aol.com

*Our inspection found:*

**SysType:** Spray  
**Service Rep:** rws

*RWS*

<b>Field:</b>	<u>Yes</u>	<i>acceptable</i>
<b>Aerator:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump:</b>	<u>Yes</u>	<i>operational</i>
<b>Pump warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Aerator warning light:</b>	<u>Off</u>	<i>(if applicable)</i>
<b>Controls:</b>	<u>Yes</u>	<i>operational (if available for inspection)</i>

**UTA- Unable To Access**

*Chlorine test results:* 1

*We added 0 tablets to your chlorinator*

*Sludge Level* \_\_\_\_ *inches, Last Checked on:* \_\_\_\_\_

**Required Repairs/Comments:**

Serviced  
Cleaned 4 aerators and cleaned 3 filters on 2 air pumps.

**O. David Graham**

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**SOUTH TEXAS WASTEWATER TREATMENT COUNTY ENGINEER**

Authorized H.E. Distribution - Home and Commercial - Engineering Services  
P.O. Box 1284 Boerne, Texas 78006 • 847 249 8098 or 1-800-876-5811

**SERVICE RECORD/REPORT**

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-13

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 09-Jun-12

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: rws

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)  
Access Ports: Yes secured

RWS

UT4- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Sludge Level \_\_\_\_\_ inches. Last Checked on: \_\_\_\_\_

**Required Repairs/Comments:**

Serviced  
Cleaned two filters.  
Cleaned three aerators  
Aerator 6389TZXR is not running  
Cleaned three filters on air pumps.

O. David Graham

Aerator needs to be replaced. please call the office. Thayer. Monica

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

## WASTEWATER TREATMENT FACILITY MAINTENANCE AGREEMENT

REGULATORY AUTHORITY Comal County PERMIT/LICENCE # 80526

Customer: Mike Covington Startzville Laundry  
Site Address: 8719 FM 2673  
Canyon Lake TX 78133

Mail To: C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

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MAR 15 2013

COUNTY ENGINEER

I. General: This Work for Hire Agreement ( hereinafter referred to as "Agreement" ) is entered into by and between Mike Covington Startzville Laundry (hereinafter referred to as "Customer") and South Texas Wastewater Treatment. By this agreement, South Texas Wastewater Treatment and its' employees ( hereinafter referred to as "Contractor" ) agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein.

II. Effective Dates: This agreement commences on 1/24/2013 and ends on 1/24/2015 for a total of two (2) years. The date of commencement will be the date the "Notice of Approval" (Authorization to Operate) was issued by the permitting authority (unless otherwise required by regulating Authority). This agreement may or may not commence at the same time as any warranty period of installed equipment, but in no case shall it extend the specified warranty as stated in our PROPOSAL AND CONTRACT FOR SERVICES.

III. Renewal: This Agreement shall automatically renew for an additional period of two (2) years at the same terms and conditions unless either party gives notice of termination a minimum of thirty (30) days prior to end of first agreement period. See Section IV.

IV. Termination of Agreement: This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform in accordance with its terms, without fault or liability of the terminating party. NO REFUNDS. If this Agreement is so terminated, Contractor will be paid at the rate of \$ 75.00 per hour for any work performed and for which compensation has not been received. After the deduction of all outstanding charges, any remaining monies from prepayment for services will be refunded to customer within thirty (30) days. Either party terminating this agreement for any reason, including non-renewal, shall notify in writing the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination.

V. Services: Contractor will:

- A. Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulations approximately every four months.
- B. Provide a written record of visits to the site by means of an inspection tag attached to or contained in or near the control panel.
- C. Repair or replace, if Contractor has necessary materials at site, any component of the OSSF found to be failing or inoperative during the course of routine monitoring visit. If such services are not covered by warranty, and service costs are \$ 100.00 or less, Customer hereby authorizes Contractor to perform the service and bill Customer for said service. When service costs are greater than \$ 100.00, or if contractor does not have necessary supplies at the site, Contractor will notify Customer of required service (s) and associated cost (s). Customer must notify Contractor of arrangements to effect repair of system within two (2) business days after said notification, or Contractor will effect repairs and bill Customer for service as required by State and/or local Agency rules.
- D. Provide sample collection and laboratory testing of TSS and BOD on a yearly basis as required by permit. An additional charge will be incurred by the Customer for this service. (Only required for other than single family residence.).
- E. Forward copies of this Agreement and all reports to the regulatory agency and the customer within 14 days.
- F. Visit site in response to Customer's request for unscheduled service within forty-eight (48) hours of the date of notification of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.

VI. Disinfection: Not Required. ☒ Required. The responsibility to maintain the disinfection device (s) and provide any necessary chemicals is that of the Customer. If the Customer pays for it (See Attached Invoice), Contractor will add 12 tablets of chlorine at routine services (See Section V Sub-section A) INITIAL

VII. Electronic Monitoring is, ☒ is not included in this Agreement.

VIII. Performance of Agreement: Commencement of performance by Contractor under this agreement is contingent on the following conditions:

- A. If this is an initial agreement ( new installation ):
  1. Contractor's receipt of a fully executed original copy or facsimile of this agreement and all documentation requested by Contractor.
  2. Contractor providing the equipment and installation for this OSSF.
  3. Contractor's receipt of payment in full for the equipment and installation.
  4. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in section XIV of this Agreement.
- B. If this is not an initial agreement (existing system):
  1. Contractor's receipt of a fully executed original copy of this agreement and all documentation requested by Contractor.
  2. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in Section XIV of this Agreement.
- C. If the above conditions are not met, Contractor is not obligated to perform any portion of this agreement.

Customer Mike Covington Startzville Laundry PERMIT/LICENSE NUMBER 80526

IX. Customer's Responsibilities: The Customer is responsible for each and all of the following :

- A. Provide all necessary yard or lawn maintenance and the removal of all obstacles, including but not limited to dogs and other animals, vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.



# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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## WASTEWATER TREATMENT FACILITY MAINTENANCE AGREEMENT

COUNTY ENGINEER

- B. Protect equipment from physical damage including but not limited to that damage caused by insects.
- C. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for an on-site sewage facility (OSSF) from the State and/or local regulatory agency, whichever are more stringent, as well as proprietary system's manufacturer recommendations.
- D. Notify Contractor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.
- E. Provide, upon request by Contractor, water usage records for evaluation by Contractor as to the performance of the OSSF.
- F. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section. Sub-section D. above, Customer agrees to pay Contractor for sample collection and transportation, portal to portal, at a rate of \$65.00 per hour plus the associated fees for laboratory testing.
- G. Prevent the backwash or flushing of water treatment or conditioning equipment from entering the OSSF.
- H. Prevent the condensate from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
- I. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contractor, at Customer's expense.
- J. Maintain site drainage to prevent adverse effects on the OSSF.
- K. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.

X. Access by Contractor: Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. IF SPECIAL ARRANGEMENTS ARE REQUESTED (I.E., CALL AHEAD, APPOINTMENTS, ETC.), THERE WILL BE AN ADDITIONAL CHARGE. Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and proprietary system manufacturer. If not an initial agreement (new installation) and this access is not in place or provided for by the customer, the costs for the labor of excavation, and possibly other labor and materials costs, will be required. These costs shall be billed to Customer as an additional service at a rate of \$75.00 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electric cables, water air or gas lines, etc.), or for the uneven settling of the soil.

XI. Limit of Liability: Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.

XII. Severability: If any provision of this "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

XIII. Fee for Services: The fee for the basic Services described in this Agreement is \$1,300.00. This fee does not include any equipment, materials, or labor necessary for non-warranty repairs or for unscheduled, Customer requested visits to the site.

XIV. Payment: Payment of Fee for Services for the original two year term as stated above is to be made as follows:

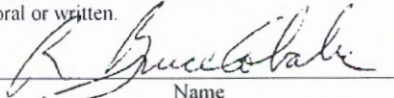
       Included in PROPOSAL AND CONTRACT number       844        
       Full amount due upon signature (Required of new Customer)  
       Payments of \$1,300.00 due upon receipt of invoice. (Payment terms for renewal of agreement.)

Payment of invoice(s) for any other service or repair provided by contractor is due upon receipt of invoice.

Invoices are mailed on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Any check returned to Contractor for any reason will be assessed a \$30.00 returned check fee.

XV. Application of Transfer of payment: The fees paid for this agreement will transfer to the subsequent property owner(s); however this agreement is not transferable. Customer will advise subsequent property owner(s) of the state requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be received from Customer first to any past due obligations arising from this Agreement including late fees or penalties, returned check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this agreement. See Section IV.

XVI. Entire Agreement: This agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement, oral or written.

  
Name

12/14/2012  
Date

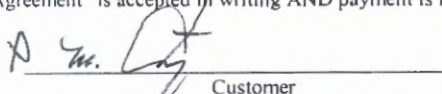
Texas Installer II and Site Evaluator License numbers  
OS 4815 and OS 12360.

Certified Service Provider for: Jet Inc.

Member: Texas On-Site Wastewater Association and National On-site Wastewater Recycling Association.

ATU Brand Jet Inc.

Acceptance of Agreement: The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to perform the Services as specified. It is understood and agreed that this work is not provided for in any other agreement and no contractual rights arise until this "Agreement" is accepted in writing AND payment is made as outlined above.

  
Customer

1-22-13  
Date

PLEASE SIGN AND RETURN ONE COPY ALONG WITH PAYMENT

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

### SERVICE RECORD/REPORT

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

County: Comal  
Permit: 80526  
Service Contract  
Expires: 24-Jan-13

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 07-Nov-12

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: se rs

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)  
Access Ports: Yes secured

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Sludge Level \_\_\_\_ inches, Last Checked on: \_\_\_\_\_

#### Required Repairs/Comments:

Serviced

Cleaned BAT media. Cleaned all aerators, cleaned air pump filters, found and replaced two broken sprinklers. Dug up old K-Rain valve and installed a new one. Enclosed invoice. Thank you.



# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

## SERVICE RECORD/REPORT

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-15

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 17-May-13

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: db bj

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)  
Access Ports: Yes secured

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Sludge Level 6 inches. Last Checked on: 5/1/2013

Required Repairs/Comments:

Responded to call:

Found aerator bearings and stator out - had to replace. Installed Jet Aerator APR13-0864 (warranty to expire 11/17/2015). Service Manager wants to take another sludge reading and will call to discuss. Enclosed invoice. Thank you.

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 • 830-249-8098 or 1-800-86 WASTE

## SERVICE RECORD/REPORT

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-15

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 17-May-13

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: db b

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)  
Access Ports: Yes secured

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Sludge Level 6 inches. Last Checked on: 5/1/2013

Required Repairs/Comments:

Responded to call:

Found aerator bearings and stator out - had to replace. Installed Jet Aerator APR13-0864 (warranty to expire 11/17/2015). Service Manager wants to take another sludge reading and will call to discuss. Enclosed invoice. Thank you.

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

### SERVICE RECORD/REPORT

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-15

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 21-Aug-13

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: cr/bc

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)  
Access Ports: Yes secured

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Sludge Level 6 inches, Last Checked on: 5/1/2013

#### Required Repairs/Comments:

Responded to call:

High water alarm was due to a bad 230 volt pump and bad lower float switch.  
Replaced both under warranty. Pumped system down. Checked the sprinklers and  
found the filters were clogged. Unclogged the filters. Sprinklers are spraying as  
they should. Pulled the float tree out of the tank and ran a pump test on both pumps



# **SOUTH TEXAS WASTEWATER TREATMENT**

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

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## **SERVICE RECORD/REPORT**

and found both pumps are alternating as they should. Enclosed invoice. Thank you.

# SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

## SERVICE RECORD/REPORT

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-15

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 08-Oct-13

Email: MWC1652@aol.com

Our inspection found:

SysType: ~~Spray~~  
Service Rep: ~~bi gc~~

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)  
Access Ports: Yes secured

UTA- Unable To Access

Chlorine test results: 1

We added 0 tablets to your chlorinator

Sludge Level 6 inches, Last Checked on: 5/1/2013

Required Repairs/Comments:

Serviced

System has a liquid chlorinator. Cleaned four aerators - dirty with thick grease.  
Cleaned two filters. Thank you.

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COUNTY ENGINEER

## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial - Engineering Services  
P O Box 1284 Boerne, Texas 78006 \* 830-249-8098 or 1-800-86 WASTE

### SERVICE RECORD/REPORT

C & M Investments  
14103 Parkhurst St  
San Antonio TX 78232

County: Comal  
Permit 80526  
Service Contract  
Expires: 24-Jan-15

Dear Customer,

Site: 8719 FM 2673  
Canyon Lake, TX 78133

We serviced and/or repaired  
your aerobic treatment unit on: 09-Oct-13

Email: MWC1652@aol.com

Our inspection found:

SysType: Spray  
Service Rep: ah rw

Field: Yes acceptable  
Aerator: Yes operational  
Pump: Yes operational  
Pump warning light: Off (if applicable)  
Aerator warning light: Off (if applicable)  
Controls: Yes operational (if available for inspection)  
Access Ports: Yes secured

UTA- Unable To Access

Chlorine test results: 0

We added 0 tablets to your chlorinator

Sludge Level 6 inches, Last Checked on: 5/1/2013

#### Required Repairs/Comments:

Serviced

Cleaned K-Rain. Installed six (6) new sprinklers. Installed larger nozzles in 22  
sprinklers in spray field. Enclosed invoice. Thank you.

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Visit Date: 3/26/2014  
Time In: 9am  
Time Out: 10:42

Phone: (830) 249-8098

bruce@stwastewater.com

To: Mike Covington Startzville Laundry  
14103 Parkhurst St  
San Antonio, TX 78232

Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(830) 237-6232

Permit #: 80526

Agency: Comal County Environmental

County: Comal

Sub:

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 844

Contract Dates: 1/24/2013 - 1/24/2015

Inspection 5 of 6

Installed: 1/25/2000

Aerator S/N: OCT10-0611, APR Warranty End: 11/17/2015

GPS Coordinates - Latitude: 0 Longitude: 0

**Service Type: Scheduled Inspection**

**Visit Date: 3/26/2014**

**Method: Grab**

**Technician: Carlos - License: Ends:**

**Maint. Provider: R. Bruce Cobabe - License: MP0000572 Ends: 11/30/2014**

**Aerators: Operational**

**Filters: Operational**

**Irrigation Pumps: Operational**

**Disinfection Device: Operational**

**Chlorine Supply: Operational**

**Chlorine Residual: 1.6**

**Sludge Levels**

**For Tank 1: 0"**

**For Tank 2: 0"**

**For Tank 3: 6"**

☒ This counts as a type of "Scheduled Inspection"

**Entered By: JJ**

☒ Copy emailed to Customer

Customer Emailed: 4/3/2014

☒ Added Chlorine Amount: 12

**Tank Lid / Riser: Secured**

**Electric Circuits: Operational**

**Distribution System: Operational**

**Sprayfield Veg: Operational**

**Alarm: Operational**

**Comments**

- Serviced. Tech cleaned the air filters and unclogged both pump intakes. High water was due to the clogged-up pump intake.

☒ Service Completed

Printed: 4/3/2014

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License: MP0000572

Expires: 11/30/2014

*R. Bruce Cobabe*

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Mike Covington Startzville Laundry  
14103 Parkhurst St  
San Antonio, TX 78232

Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(830) 237-6232

Permit #: **80526**  
Agency: Comal County Environmental  
County: Comal Sub:  
Mfg / Brand: - Jet - multiple aerators  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 844  
Contract Dates: 1/24/2013 - 1/24/2015  
Scheduled Date: 6/9/2014 Inspection 5 of 6  
Installed: 1/25/2000  
Aerator S/N: OCT10-0611, APR Warranty End: 11/17/2015

**Service Type: Scheduled Inspection**

Visit Date: **6/2/2014**

Method: **Grab**

Technician: William

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 1.6

Time In: 2:55

Time Out: 4pm

☒ This counts as a type of "Scheduled Inspection"

Entered By: JJ

☒ Copy emailed to Customer  
Customer Emailed: 6/3/2014

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

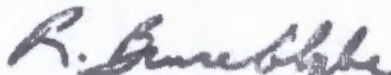
Comments

- Serviced
- Tech cleaned 4 aerators and air filters. - Copy emailed to the customer on 6/3/2014.
- This system has a liquid chlorinator.

☒ Service Completed

Printed: 6/3/2014

Provider: R. Bruce Cobabe  
R. Bruce Cobabe  
License: MP0000572  
Expires: 11/30/2014





South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

RECEIVED

DEC 19 2014

COUNTY ENGINEER

Phone: (830) 249-8098

bruce@stwastewater.com

To: Mike Covington Startzville Laundry  
14103 Parkhurst St  
San Antonio, TX 78232

Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(830) 237-6232

Permit #: 80526

Agency: Comal County Environmental

County: Comal

Sub:

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 844

Contract Dates: 1/24/2013 - 1/24/2015

Scheduled Date: 10/9/2014

Inspection 6 of 6

Installed: 1/25/2000

Aerator S/N: OCT10-0611, APR Warranty End: 11/17/2015

**Service Type: Scheduled Inspection**

Visit Date: 12/15/2014

Time In: 11:20am

Out: 2pm

Method: Grab

Technician: Dale Bowen - MT0000864

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 1.0 mg/L

**Sludge Levels**

For Tank 1: 0"

For Tank 2: 0"

For Tank 3: 8"

☒ This counts as a type of "Scheduled Inspection"

Entered By: Monica

☒ Copy emailed to Customer

Customer Emailed: 12/18/2014

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

Serviced

System has liquid chlorinator. Cleaned underground filters. Replaced four (4) broken sprinklers. Enclosed invoice. Dug up broken sprinkler line but will have to send senior tech back out to repair. - Technician Secured the Tank Lid or Riser prior to leaving location. - Copy emailed to the customer on 12/18/2014.

☒ Service Completed

Insp ID #:431221  
Printed:12/18/2014

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License: MP0000572

Expires: 11/30/2017

*R. Bruce Cobabe*

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Mike Covington Startzville Laundry  
14103 Parkhurst St  
San Antonio, TX 78232

Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(830) 237-6232

Permit #: 80526

Agency: Comal County Environmental

County: Comal

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 844

Contract Dates: 1/24/2015 - 1/24/2017

Scheduled Date: 5/24/2015

Inspection 1 of 6

Installed: 1/25/2000

Aerator S/N: OCT10-0611, APR Warranty End: 11/17/2015

**Service Type: Scheduled Inspection**

Visit Date: 5/19/2015

Time In: 1:00

Out: 2:50

Method: Grab

Technician: Erik Harp/ Demus

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 1.0 mg/L

**Sludge Levels**

For Tank 1: 0"

For Tank 2: 0"

For Tank 3: 3-4"

☒ This counts as a type of "Scheduled Inspection"

Entered By: Julia

☒ Copy emailed to Customer

Customer Emailed: 5/20/2015

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

- Tank Lid was noted as Secured prior to leaving.
- BAT's cleaned during the Scheduled Inspection.
- Serviced - Copy emailed to the customer on 5/20/2015.

☒ Service Completed

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License: MP0000572

Expires: 11/30/2017

Insp ID #436162  
Printed: 5/20/2015

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Cody Stewart Startzville Laundry  
8719 FM 2673  
Canyon Lake, TX 78133

Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(361) 229-0857

Permit #: **80526**

Agency: Comal County Environmental

County: Comal Sub:

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 844

Contract Dates: 1/24/2015 - 1/24/2017

Scheduled Date: 3/30/2016

Inspection 3 of 6

Installed: 1/25/2000

Aerator S/N: OCT10-0611, APR Warranty End: 11/17/2015

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: 4/4/2016

Time In: 11:15

Out: 12:15

Entered By: Shauna Cobabe

Method: Grab

Technician: Todd Caron

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

**Sludge Levels**

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

For Tank 3: 2' / 4'

Chlorine Supply: Operational

Chlorine Residual: 0.8 mg/L / 0.6 mg/L

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

- Tank Lid was noted as Secured prior to leaving.
- Serviced

☒ Service Completed

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License: MP0000572

Expires: 11/30/2017

Insp ID #:444750  
Printed:4/22/2016

*R. Bruce Cobabe*



South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Joyce Leek Startzville Laundry  
Attention: Joyce Leek, Mgr  
P.O Box  
San Antonio, TX 78217

Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(361) 229-0857

Permit #: 80526

Customer ID: 844

Agency: Comal County Environmental

Contract Dates: 1/24/2015 - 1/24/2017

County: Comal

Sub:

Scheduled Date: 7/30/2016

Inspection 4 of 6

Mfg / Brand: - Jet - multiple aerators

Installed: 1/25/2000

Treatment Type: Aerobic

Aerator S/N: OCT10-0611, APR Warranty End: 11/17/2015

Disposal: Surface Application

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: 8/23/2016

Time In: 10:00

Out: 11:54

Entered By: Shauna Cobabe

Method: Grab

☒ Copy emailed to Customer

Customer Emailed: 8/29/2016

Technician: Demas Juarez - MT0000867

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

**Sludge Levels**

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

For Tank 3: 3-4"

Chlorine Supply: Operational

Chlorine Residual: 1.8 mg/L

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

☒ Service Completed

- Tank Lid was noted as Secured prior to leaving.

- Serviced

- System has liquid chlorinator. Homeowner adds own liquid bleach. - Copy emailed to the customer on 8/29/2016.

Insp ID #:449007  
Printed: 8/30/2016

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License: MP0000572

Expires: 11/30/2017

*R. Bruce Cobabe*

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Joyce Leek Startzville Laundry  
Attention: Joyce Leek, Mgr  
P.O Box  
San Antonio, TX 78217

Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(361) 229-0857

Permit #: 80526

Agency: Comal County Environmental

County: Comal

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Sub:

Customer ID: 844

Contract Dates: 1/24/2015 - 1/24/2017

Scheduled Date: 12/24/2016

Inspection 5 of 6

Installed: 1/25/2000

Aerator S/N: OCT10-0611, APR Warranty End: 11/17/2015

**Service Type: Scheduled Inspection**

Visit Date: 1/13/2017

Time In: 9:30

Out: 12:26

Method: Grab

Technician: Demas Juarez - MT0000867

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 1.0 mg/L

**Sludge Levels**

For Tank 3: 4-5"

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

- Tank Lid was noted as Secured prior to leaving.
- BAT's cleaned during the Scheduled Inspection.
- Serviced
- System has liquid chlorinator. Homeowner adds own liquid bleach. - Copy emailed to the customer on 1/27/2017.

☒ Service Completed

Insp ID #: 453242  
Printed: 1/27/2017

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License: MP0000572

Expires: 11/30/2017



South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Startzville Laundry  
Attention: Daily Suds Laundry  
P.O. Box 171128  
San Antonio, TX 78217

Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(361) 229-0857

Permit #: **80526**

Customer ID: 844

Agency: Comal County Environmental

Contract Dates: 5/24/2017 - 5/24/2019

County: Comal

Sub:

Scheduled Date: 5/13/2017

Inspection 6 of 6

Mfg / Brand: - Jet - multiple aerators

Installed: 1/25/2000

Treatment Type: Aerobic

Aerator S/N: OCT10-0611, APR Warranty End: 11/17/2015

Disposal: Surface Application

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: 7/21/2017

Time In: 2:00

Out: 3:41

Entered By: Shauna Cobabe

Method: Grab

Technician: Dénas Juárez - MT0000867

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

**Sludge Levels**

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

For Tank 3: 4"

Chlorine Supply: Operational

Chlorine Residual: 1.0 mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

☒ Service Completed

- Tank Lid was noted as Secured prior to leaving.
- Serviced
- System has liquid chlorinator. Homeowner adds own liquid bleach.
- Tech found system was flooded. Pumped down and reset breakers. System working fine at this time.

Insp ID #: 458544  
Printed: 8/15/2017

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License: MP0000572

Expires: 11/30/2017



South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Startzville Laundry  
Attention: Daily Suds Laundry  
P.O Box 171128  
San Antonio, TX 78217

Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(361) 229-0857

Permit #: 80526

Customer ID: 844

Agency: Comal County Environmental

Contract Dates: 5/24/2017 - 5/24/2019

County: Comal

Sub:

Scheduled Date: 10/24/2017

Inspection 1 of 6

Mfg / Brand: - Jet - multiple aerators

Installed: 1/25/2000

Treatment Type: Aerobic

Aerator S/N: OCT1700822

Warranty End: 5/2/2020

Disposal: Surface Application

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: 11/27/2017

Time In: 1:55

Out: 4:00

Entered By: Shauna Cobabe

Method: Grab

Technician: S. Fernandez - MT0000865

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

**Sludge Levels**

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

For Tank 3: 2-3"

Chlorine Supply: Operational

Chlorine Residual: 1.2 mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

☒ Service Completed

- Tank Lid was noted as Secured prior to leaving.
- Serviced
- System has liquid chlorinator. Homeowner adds own liquid bleach.
- Tech trimmed back all trees and bushes at homeowner's request. 1 Hour labor.
- Need to return to installed two (2) new filters.
- Enclosed invoice. Thank you.

Insp ID #: 462658

Printed: 12/7/2017

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License: MP0000572

Expires: 11/30/2017



## SOUTH TEXAS WASTEWATER TREATMENT

Authorized JET Distributor - Home and Commercial- Engineering Services    Box  
1284, Boerne, TX 78006 \* 830-249-8098 or 1-800-86-WASTE

February 20, 2018

TO: Comal County Environment Dept.  
195 David Jonas Dr  
New Braunfels, TX 78132

RE: Permit 80526  
Startzville Laundry  
8719 FM 2673  
Bulverde, TX 78063

**Contract Period**

Start: 5/24/2017

End: 5/24/2019

This is to certify that the above site has renewed their monitoring agreement per TCEQ standards for OSSF as required.

Thank you,



Monica Whorton  
South Texas Wastewater Treatment

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Startzville Laundry  
Attention: Daily Suds Laundry  
P.O Box 171128  
San Antonio, TX 78217

Printed: 2/28/2018  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(361) 229-0857

Permit #: **80526**

Agency: Comal County Environmental  
County: Comal Sub:  
Mfg / Brand: - Jet - multiple aerators  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 844  
Contract Dates: 5/24/2017 - 5/24/2019  
Scheduled Date: 2/24/2018 Inspection 2 of 6  
Installed: 1/25/2000  
Aerator S/N: OCT1700822

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: **2/15/2018**

Time In: 3:30

Out: 4:05

Entered By: Lynn

Method: **Grab**

Technician: Johnny Gonzalez

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

**Sludge Levels**

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

For Tank 3: 1"

Chlorine Supply: Operational

Chlorine Residual: 0.2mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

Serviced

- Technician Secured the Tank Lid and/or Riser prior to leaving location.

☒ Service Completed

Insp ID #:465524

Provider: *R. Bruce Cobabe*  
R. Bruce Cobabe

License #: MP0000572

Expires: 11/30/2020



South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Startzville Laundry  
Attention: Daily Suds Laundry  
P.O Box 171128  
San Antonio, TX 78217

Printed: 8/9/2018  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(361) 229-0857

Permit #: **80526**

Agency: Comal County Environmental

County: Comal

Sub:

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 844

Contract Dates: 5/24/2017 - 5/24/2019

Scheduled Date: 6/24/2018

Inspection 3 of 6

Installed: 1/25/2000

Aerator S/N: OCT1700822

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: **7/27/2018**

Time In: 11:10

Out: 1:40

Entered By: Shauna Cobabe

Method: Grab

Technician: Carlos Romero - MT0000909

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

**Sludge Levels**

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

For Tank 3: 3-4"

Chlorine Supply: Operational

Chlorine Residual: 1.6 mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- BAT's cleaned during the Scheduled Inspection.
- Serviced
- System has liquid chlorinator. Homeowner adds own liquid bleach.

☒ Service Completed

Insp ID #: 471221

Provider: R. Bruce Cobabe  
R. Bruce Cobabe



License #: MP0000572

Expires: 11/30/2020

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Startzville Laundry  
Attention: Daily Suds Laundry  
P.O Box 171128  
San Antonio, TX 78217

Printed: 4/23/2019  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(361) 229-0857

Permit #: 80526

Customer ID: 844

Agency: Comal County Environmental

Contract Dates: 5/24/2017 - 5/24/2019

County: Comal

Sub:

Scheduled Date: 3/24/2019

Inspection 5 of 6

Mfg / Brand: - Jet - multiple aerators

Installed: 1/25/2000

Treatment Type: Aerobic

Aerator S/N: JAN1900122

Disposal: Surface Application

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: 4/9/2019

Time In: 1:30

Out: 3:20

Entered By: Shauna Cobabe

Method: Grab

Technician: Brian Lopez - MT0001159

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

Sludge Levels

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

For Tank 3: 5-6"

Chlorine Supply: Operational

Chlorine Residual: 1.4 mg/L

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

☒ Service Completed

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- Serviced
- System has liquid chlorinator. Homeowner adds own liquid bleach.

Insp ID #: 479523

Provider: R. Bruce Cobabe  
R. Bruce Cobabe



License #: MP0000572

Expires: 11/30/2020



South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Startzville Laundry  
Attention: Daily Suds Laundry  
P.O Box 490  
Fulton, TX 78358

Printed: 8/15/2019  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(361) 229-0857

Permit #: **80526**

Agency: Comal County Environmental  
County: Comal

Sub:

Mfg / Brand: - Jet - multiple aerators  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 844

Contract Dates: 5/24/2017 - 8/24/2019

Scheduled Date: 7/24/2019

Inspection 6 of 6

Installed: 1/25/2000

Aerator S/N: JAN1900122

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: **8/8/2019**

Time In: **9:15**

Out: **1:18**

Entered By: Shauna Cobabe

Method: **Grab**

Technician: Bart Rogers

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 1.0 mg/L

**Sludge Levels**

For Tank 3: 0-1"

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- BAT's cleaned during the Scheduled Inspection.
- Serviced
- System has liquid chlorinator. Homeowner adds own liquid bleach.

☒ Service Completed

Insp ID #:483368

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License #: MP0000572

Expires: 11/30/2020

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

Date: 9/24/2019

bruce@stwastewater.com

Permit #: 80526

To: ~~Startville Laundry~~ Spinnerz Laundromat  
Attention: Geoff Oliver  
123 Brackenridge Ave., #337  
San Antonio, TX 78209

Contract Period  
Start Date: 8/24/2019  
End Date: 8/24/2021

Phone: (713) 725-5916 Subdivision:  
Site: 8719 FM 2673, Canyon Lake, TX 78133  
County: Comal  
Installer:  
Agency: Comal County Environmental  
Mfg/Brand: / Jet - multiple aerators

Installed: 1/25/2000

South Texas Wastewater Treatment  
3 visits per year - one every 4 months

Map Key: ID: 844

I. General: This Work for Hire Agreement (hereinafter referred to as "Agreement") is entered into by and between South Texas Wastewater Treatment and the above referenced name (referred to as Customer). By this agreement, South Texas Wastewater Treatment and its employees (hereinafter referred to as "Contractor") agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein.

II. Effective Dates: This agreement commences and ends as noted above.

III. Renewal: This Agreement shall automatically renew for an additional period of two (2) years at the same terms and conditions unless either party gives notice of termination a minimum of thirty (30) days prior to end of first agreement period. See Section IV.

IV. Termination of Agreement: This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform in accordance with its terms, without fault or liability of the terminating party. NO REFUNDS. If this Agreement is so terminated, Contractor will be paid at the rate of \$85.00 per hour for any work performed and for which compensation has not been received. Either party terminating this agreement for any reason, including non-renewal, shall notify in writing the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination.

V. Services: Contractor will:

- Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulations approximately every four months.
- Provide a written record of visits to the site by means of an inspection tag attached to or contained in or near the control panel.
- Repair or replace: if repairs or replacement of parts is necessary during a routine service visit, the repair or replacement of parts will be made at that time, if the charges for parts do not exceed \$100.00. If the charges for parts exceed \$100.00, the homeowner will be contacted for approval at the number(s) provided by the homeowner below. If the homeowner cannot be reached for approval while the technician is at the property, the repairs will not be made if they exceed \$100.00. If the technician receives approval after he leaves the property, a service call charge of \$85.00 to return to the property will be added to the final bill. If warranted items are required to be replaced within 30 days of installation, labor will not be charged. After 30 days, labor will be charged according to the service agreement.
- Provide sample collection and laboratory testing of TSS and BOD on a yearly basis as required by permit. An additional charge will be incurred by the Customer for this service. (Only required for other than single family residence.)
- Forward copies of this Agreement and all reports to the regulatory agency and the customer within 14 days.
- Visit site in response to Customer's request for unscheduled service within forty-eight (48) hours of the date of notification of said request. Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.

VI. Disinfection: ☐ Not Required. ☒ Required. The responsibility to maintain the disinfection device (s) and provide any necessary chemicals is that of the Customer. If the Customer pays for it (See Attached Invoice), Contractor will add 12 tablets of chlorine at routine services (See Section V Sub-section A) INITIAL

No Chlorine

VII. Electronic Monitoring ☐ is ☒ is not included in this Agreement.

VIII. Performance of Agreement: Commencement of performance by Contractor under this agreement is contingent on the following conditions:

- If this is an initial agreement (new installation):
  - Contractor's receipt of a fully executed original copy or email of this agreement and all documentation requested by Contractor.
  - Contractor providing the equipment and installation for this OSSF.
  - Contractor's receipt of payment in full for the equipment and installation.
  - Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in section XIV of this Agreement.
- If this is not an initial agreement (existing system):
  - Contractor's receipt of a fully executed original copy of this agreement and all documentation requested by Contractor.
  - Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in Section XIV of this agreement.
- If the above conditions are not met, Contractor is not obligated to perform any portion of this agreement.

IX. Customer's Responsibilities: The Customer is responsible for each and all of the following:

A. DO NOT ALLOW ALTERATION TO ANY PART OF THE SYSTEM OR SPRINKLER HEAD LOCATIONS. ALTERATIONS WOULD PUT THE SYSTEM OUT OF COMPLIANCE AND WOULD CAUSE THE PROPERTY OWNER ADDITIONAL EXPENSES TO BRING THE SYSTEM BACK INTO COMPLIANCE.

- B. Provide all necessary yard or lawn maintenance and the removal of all obstacles, including but not limited to dogs and other animals, vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.
- C. Protect equipment from physical damage including but not limited to that damage caused by insects.
- D. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for an on-site sewage facility (OSSF) from the State and/or local regulatory agency, whichever are more stringent, as well as proprietary system's
- E. Notify Contractor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.
- F. Provide, upon request by Contractor, water usage records for evaluation by Contractor as to the performance of the OSSF.
- G. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section. Sub-section D above, Customer agrees to pay Contractor for sample collection and transportation, portal to portal, at a rate of \$65.00 per hour plus the associated fees for laboratory testing.
- H. Prevent the backwash or flushing of water treatment or conditioning equipment from entering the OSSF.
- I. Prevent the condensate from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
- J. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contractor, at Customer's expense.
- K. Maintain site drainage to prevent adverse effects on the OSSF.
- L. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.

X. **Access by Contractor:** Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. **IF SPECIAL ARRANGEMENTS ARE REQUESTED (any advance or prior notice or contacting of owner/resident in order to enter property to perform routine service visit, (locked gates, biting dogs, appointment to enter, to call on the way, etc.) or if any part of the system is located behind a locked door (garage, etc.) - THERE IS AN ADDITIONAL CHARGE.** Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and proprietary system manufacturer. If not an initial agreement (new installation) and this access is not in place or provided for by the customer, the costs for the labor of excavation, and possibly other labor and materials costs, will be required. These costs shall be billed to Customer as an additional service at a rate of \$85.00 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electric cables, water air or gas lines, etc.), or for the uneven settling of the soil.

XI. **Limit of Liability:** Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.

XII. **Severability:** If any provision of this "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

XIII. **Fee for Services:** The fee for the basic Services described in this Agreement is \_\_\_\_\_. This fee does not include any equipment, materials, or labor necessary for non-warranty repairs or for unscheduled, Customer requested visits to the site which will incur a service call fee of \$85.00, plus parts and labor.

XIV. **Payment:** Payment of Fee for Services for the original term as stated above is to be made as follows:

Included in PROPOSAL AND CONTRACT

☒ Full amount due upon signature (Required of new Customer)

Payments of \$ 1,300 due upon receipt of invoice. (Payment terms for renewal of agreement.)

Payment of invoice(s) for any other service or repair provided by contractor is due upon receipt of invoice. Invoices are mailed on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Any check returned to Contractor for any reason will be assessed a \$30.00 returned check fee.

XV. **Application of Transfer of payment:** The fees paid for this agreement are not refundable, however, the agreement is transferable. Customer will advise subsequent property owner(s) of the state requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be received from Customer first to any past due obligations arising from this Agreement including late fees or penalties, returned check fees, and/or charges for services

or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this agreement. See Section IV.

XVI. **Entire Agreement:** This agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement, oral or written.

R. Bruce Cobble R. Bruce Cobble

OSSF Installer II, Lic OS0004815, and, OSSF Site Evaluator, Lic OS0012360

Name

Date

exp 1/31/2021

exp 12/31/2020

Certified Service Provider for: Jet Inc.

Member: Texas On-Site Wastewater Association and National On-site Wastewater Recycling

*Acceptance of Agreement: The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to perform the Services as specified. It is understood and agreed that this work is not provided for in any other agreement and no contractual rights arise until this "Agreement" is accepted in writing AND payment is made as outlined above.*

[Signature]

4/06/2019

Date

oliventura.tx@gmail.com

E-Mail

CONTACT PHONE NUMBERS:

#1 713 725 5916

#2 281 787 4673 (Dave)

Gate Codes:

SubDivision \_\_\_\_\_

Property \_\_\_\_\_

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Spinnerz Laundromat  
Attention: Geoff Oliver  
123 Brackenridge Ave., #337  
San Antonio, TX 78209

Printed: 4/17/2020  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(713) 725-5916

Permit #: 80526

Customer ID: 844

Agency: Comal County Environmental

Contract Dates: 8/24/2019 - 8/24/2021

County: Comal

Sub:

Scheduled Date: 4/24/2020

Inspection 2 of 6

Mfg / Brand: - Jet - multiple aerators

Installed: 1/25/2000

Treatment Type: Aerobic

Aerator S/N: JAN1900122

Disposal: Surface Application

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: 4/13/2020

Time In: 10:20

Out: 1:45

Entered By: \_

Method: Grab

☒ Copy emailed to Customer

Technician: Andrew Dykes

Customer Emailed: 4/16/2020

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

**Sludge Levels**

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

For Tank 3: 10+

Chlorine Supply: Operational

☒ Pumping Needed

Chlorine Residual: 1.0

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

☒ Service Completed

**Serviced**

- Tech cleaned filters, replaced the Ericson plug assembly on one of the aerators, tested all pumps and floats. Tested the sprinklers, no signs of puddles or wet spots.
  - Tank needs Pumping.
  - Technician Secured the Tank Lid and/or Riser prior to leaving location.
  - System has liquid chlorinator. Homeowner adds own liquid bleach.
- Enclosed invoice. Thank you. - Copy emailed to the customer on 4/16/2020.

Insp ID #:491877

Provider: *R. Bruce Cobabe*  
R. Bruce Cobabe





South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Spinnerz Laundromat  
Attention: Geoff Oliver  
123 Brackenridge Ave., #337  
San Antonio, TX 78209

Printed: 1/21/2020  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(713) 725-5916

Permit #: 80526

Customer ID: 844

Agency: Comal County Environmental

Contract Dates: 8/24/2019 - 8/24/2021

County: Comal

Sub:

Scheduled Date: 12/24/2019

Inspection 1 of 6

Mfg / Brand: - Jet - multiple aerators

Installed: 1/25/2000

Treatment Type: Aerobic

Aerator S/N: JAN1900122

Disposal: Surface Application

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: 1/11/2020

Time In: 1:38

Out: 2:39

Entered By: Lynn

Method: Grab

Technician: Carlos Romero - MT0000909

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

Sludge Levels

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

For Tank 3: 4"

Chlorine Supply: Operational

Chlorine Residual: 1.0

☒ Added Chlorine Amount: 12

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

☒ Service Completed

Serviced

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- System has liquid chlorinator. Homeowner adds own liquid bleach.

Insp ID #: 488426

Provider: R. Bruce Cobabe  
R. Bruce Cobabe



License #: MP0000572

Expires: 11/30/2020

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Spinnerz Laundromat  
Attention: Geoff Oliver  
123 Brackenridge Ave., #337  
San Antonio, TX 78209

Printed: 9/20/2021  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(713) 725-5916

Permit #: 80526

Agency: Comal County Environmental

County: Comal

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Sub:

Customer ID: 844

Contract Dates: 8/24/2019 - 8/24/2021

Scheduled Date: 8/24/2021

Inspection 6 of 6

Installed: 1/25/2000

Aerator S/N: JAN1900122

**Service Type: Scheduled Inspection**

Visit Date: 8/24/2021

Time In: 12:35

Out: 2:59

Method: Grab

Technician: Matt Wilson

Maint. Provider: R. Bruce Cobabe

☒ This counts as a type of "Scheduled Inspection"

Entered By: Shauna Cobabe

☒ Copy emailed to Customer

Customer Emailed: 9/7/2021

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 1.0 mg/L

**Sludge Levels**

For Tank 3: 4-5"

Chlorinator: Op

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

- Technician Secured the Tank Lid and/or Riser prior to leaving location.
- Serviced
- System has liquid chlorinator. Homeowner adds own liquid bleach. - Copy emailed to the customer on 9/7/2021.

☒ **Service Completed**

Insp ID #: 509527

Provider: R. Bruce Cobabe

R. Bruce Cobabe

License #: MP0000572

Expires: 11/30/2023



**South Texas Wastewater Treatment**  
**PO Box 1284**  
**Boerne, TX 78006**

Date: 8/16/2021

Phone: (830) 249-8098

bruce@stwastewater.com

**To: Spinnerz Laundromat**  
**Attention: Geoff Oliver**  
**123 Brackenridge Ave., #337**  
**San Antonio, TX 78209**

**Contract Period**

**Start Date: 8/24/2021**

**End Date: 8/24/2023**

**Permit #: 80526**

Phone: (713) 725-5916      Subdivision:  
Site: 8719 FM 2673, Canyon Lake, TX 78133

County: Comal

Installer:

Installed: 1/25/2000

3 visits per year - one every 4 months

Agency: Comal County Environmental

South Texas Wastewater Treatment

Mfg/Brand: / Jet - multiple aerators

Map Key:

ID: 844

I. General: This Work for Hire Agreement ( hereinafter referred to as "Agreement" ) is entered into by and between South Texas Wastewater Treatment and the above referenced name (referred to as Customer). By this agreement, South Texas Wastewater Treatment and its' employees (hereinafter referred to as "Contractor") agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein.

II. Effective Dates: This agreement commences and ends as noted above.

III. Renewal: This Agreement shall automatically renew for an additional period of two (2) years at the same terms and conditions unless either party gives notice of termination a minimum of thirty (30) days prior to end of first agreement period. See Section IV.

IV. Termination of Agreement: This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform in accordance with its terms, without fault or liability of the terminating party. NO REFUNDS. If this Agreement is so terminated, Contractor will be paid at the rate of \$85.00 per hour for any work performed and for which compensation has not been received. Either party terminating this agreement for any reason, including non-renewal, shall notify in writing the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination.

V. Services: Contractor will:

A. Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulations approximately every four months.

B. Provide a written record of visits to the site by means of an inspection tag attached to or contained in or near the control panel.

C. Repair or replace: if repairs or replacement of parts is necessary during a routine service visit, the repair or replacement of parts will be made at that time, if the charges for parts do not exceed \$100.00. If the charges for parts exceed \$100.00, the homeowner will be contacted for approval at the number(s) provided by the homeowner below. If the homeowner cannot be reached for approval while the technician is at the property, the repairs will not be made if they exceed \$100.00. If the technician receives approval after he leaves the property, a service call charge of \$85.00 to return to the property will be added to the final bill. If warranted items are required to be replaced within 30 days of installation, labor will not be charged. After 30 days, labor will be charged according to the service agreement.

D. Provide sample collection and laboratory testing of TSS and BOD on a yearly basis as required by permit. An additional charge will be incurred by the Customer for this service. (Only required for other than single family residence.).

E. Forward copies of this Agreement and all reports to the regulatory agency and the customer within 14 days.

F. Visit site in response to Customer's request for unscheduled service within forty-eight (48) hours of the date of notification of said request.

Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.

VI. Disinfection: ☐ Not Required. ☒ Required. The responsibility to maintain the disinfection device (s) and provide any necessary chemicals is that of the Customer. If the Customer pays for it (See Attached Invoice), Contractor will add 12 tablets of chlorine at routine services (See Section V Sub-section A) 6

**INITIAL**

VII. Electronic Monitoring ☐ is ☒ is not included in this Agreement.

VIII. Performance of Agreement: Commencement of performance by Contractor under this agreement is contingent on the following conditions:

A. If this is an initial agreement ( new installation ):

1. Contractor's receipt of a fully executed original copy or email of this agreement and all documentation requested by Contractor.

2. Contractor providing the equipment and installation for this OSSF.

3. Contractor's receipt of payment in full for the equipment and installation.

4. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in section XIV of this Agreement.

B. If this is not an initial agreement (existing system):

1. Contractor's receipt of a fully executed original copy of this agreement and all documentation requested by Contractor.

2. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in Section XIV of this agreement

C. If the above conditions are not met, Contractor is not obligated to perform any portion of this agreement.

IX. Customer's Responsibilities: The Customer is responsible for each and all of the following :

A. **DO NOT ALLOW ALTERATION TO ANY PART OF THE SYSTEM OR SPRINKLER HEAD LOCATIONS. ALTERATIONS WOULD PUT THE SYSTEM OUT OF COMPLIANCE AND WOULD CAUSE THE PROPERTY OWNER ADDITIONAL EXPENSES TO BRING THE SYSTEM BACK INTO COMPLIANCE.**

B. Provide all necessary yard or lawn maintenance and the removal of all obstacles, including but not limited to dogs and other animals,



vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.

- C. Protect equipment from physical damage including but not limited to that damage caused by insects.
- D. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for an on-site sewage facility (OSSF) from the State and/or local regulatory agency, whichever are more stringent, as well as proprietary system's
- E. Notify Contractor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.
- F. Provide, upon request by Contractor, water usage records for evaluation by Contractor as to the performance of the OSSF.
- G. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section. Sub-section D above, Customer agrees to pay Contractor for sample collection and transportation, portal to portal, at a rate of \$65.00 per hour plus the associated fees for laboratory testing.
- H. Prevent the backwash or flushing of water treatment of conditioning equipment from entering the OSSF.
- I. Prevent the condensate from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
- J. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contractor, at Customer's expense.
- K. Maintain site drainage to prevent adverse effects on the OSSF.
- L. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.

**X. Access by Contractor:** Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. **IF SPECIAL ARRANGEMENTS ARE REQUESTED (any advance or prior notice or contacting of owner/resident in order to enter property to perform routine service visit, (locked gates, biting dogs, appointment to enter, to call on the way, etc.) or if any part of the system is located behind a locked door (garage, etc.) -THERE IS AN ADDITIONAL CHARGE.** Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and proprietary system manufacturer. If not an initial agreement (new installation) and this access is not in place or provided for by the customer, the costs for the labor of excavation, and possibly other labor and materials costs, will be required. These costs shall be billed to Customer as an additional service at a rate of \$85.00 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electric cables, water air or gas lines, etc.), or for the uneven settling of the soil.

**XI. Limit of Liability:** Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.

**XII. Severability:** If any provision of this "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.

**XIII. Fee for Services:** The fee for the basic Services described in this Agreement is \_\_\_\_\_. This fee does not include any equipment, materials, or labor necessary for non-warranty repairs or for unscheduled, Customer requested visits to the site which will incur a service call fee of \$85.00, plus parts and labor.

**XIV. Payment:** Payment of Fee for Services for the original term as stated above is to be made as follows:

\_\_\_\_\_ Included in PROPOSAL AND CONTRACT

\_\_\_\_\_ Full amount due upon signature (Required of new Customer)

☒ Payments of \$1300 due upon receipt of invoice. (Payment terms for renewal of agreement.)

Payment of invoice(s) for any other service or repair provided by contractor is due upon receipt of invoice. Invoices are mailed on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Any check returned to Contractor for any reason will be assessed a \$30.00 returned check fee.

**XV. Application of Transfer of payment:** The fees paid for this agreement are not refundable, however, the agreement is transferable. Customer will advise subsequent property owner(s) of the state requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be received from Customer first to any past due obligations arising from this Agreement including late fees or penalties, returned check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this agreement. See Section IV.

**XVI. Entire Agreement:** This agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement, oral or written.

R. Bruce Colabe

R. Bruce Colabe

Name

Date

OSSF Installer II, Lic OS0004815, and, OSSF Site Evaluator, Lic OS0012360

exp 1/31/2024

exp 12/31/2023

Certified Service Provider for: Jet Inc.

Member: Texas On-Site Wastewater Association and National On-site Wastewater Recycling

*Acceptance of Agreement: The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to perform the Services as specified. It is understood and agreed that this work is not provided for in any other agreement and no contractual rights arise until this "Agreement" is accepted in writing AND payment is made as outlined above.*

[Signature]

09/22/2021

Date

oliventures tx@gmail.com

E-Mail

CONTACT PHONE NUMBERS:

#1 713 725 5916

#2 281 787 4673 (Dave)

Gate Codes:

SubDivision \_\_\_\_\_

Property \_\_\_\_\_



South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Spinnerz Laundromat  
Attention: Geoff Oliver  
123 Brackenridge Ave., #337  
San Antonio, TX 78209

Printed: 2/21/2022  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(713) 725-5916

Permit #: 80526

Agency: Comal County Environmental  
County: Comal  
Mfg / Brand: - Jet - multiple aerators  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 844

Contract Dates: 8/24/2021 - 8/24/2023

Scheduled Date: 12/24/2021

Inspection 1 of 6

Installed: 1/25/2000

Aerator S/N: JAN1900122

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: 1/31/2022

Time In: 9:17

Out: 11:21

Entered By: Lynn

Method: Grab

Technician: Andrew Dykes - MT0001810

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 1.0

**Sludge Levels**

For Tank 3: 6-10"

☒ Pumping Needed

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

☒ Service Completed

Serviced

Tech cleaned the aerators, lift pumps are working as they should, Control panels are not alarming. Tech found heavy leakage at K-Rain valve.

- Tank needs Pumping.

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Copy emailed to the customer on 2/21/2022.

Insp ID #: 514206

Provider: *R. Bruce Cobabe*

R. Bruce Cobabe

License Info: MP0000572 Expires: 11/30/2023

License Info: MT0001810 Expires: 10/31/2022

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

bruce@stwastewater.com

To: Spinnerz Laundromat  
Attention: Geoff Oliver  
123 Brackenridge Ave., #337  
San Antonio, TX 78209

Printed: 4/28/2022  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(713) 725-5916

Permit #: 80526

Agency: Comal County Environmental

County: Comal

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 844

Contract Dates: 8/24/2021 - 8/24/2023

Scheduled Date: 4/24/2022

Inspection 2 of 6

Installed: 1/25/2000

Aerator S/N: JAN1900122

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: 4/25/2022

Time In: 11:24

Out: 1:52

Entered By: Lynn

Method: Grab

Technician: Todd Caron - MT0001158

Maint. Provider: R. Bruce Cobabe

Aerators: Operational

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

Chlorine Supply: Operational

Chlorine Residual: 1.0

Tank Lid / Riser: Secured

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

☒ **Service Completed**

Serviced

- BATs cleaned during the Scheduled inspection

- System has liquid chlorinator. Homeowner adds own liquid bleach. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - Copy emailed to the customer on 4/28/2022.

Insp ID #: 516654

Provider: *R. Bruce Cobabe*

R. Bruce Cobabe

License Info: MP0000572 Expires: 11/30/2023

License Info: MT0001158 Expires: 4/30/2022

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

monica@stwastewater.com

To: Spinnerz Laundromat  
Attention: Geoff Oliver  
123 Brackenridge Ave., #337  
San Antonio, TX 78209

Printed: 7/6/2022  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(713) 725-5916

Permit #: **80526**

Agency: Comal County Environmental

County: Comal

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 844

Contract Dates: 8/24/2021 - 8/24/2023

Scheduled Date: 8/24/2022

Installed: 1/25/2000

Aerator S/N: JAN1900122

**Service Type: Responded to call**

**Visit Date: 7/5/2022**

Time In: 10:18am

Out: 12:56pm

**Entered By: Monica**

**Method: Grab**

**Technician:** Carlos Romero - MT0000909

**Maint. Provider:** R. Bruce Cobabe

**Tank Lid / Riser: Secured**

**Comments**

☒ **Service Completed**

Responded to odor complaint filed with Comal County.

Troubleshoot system. Unclogged all four aerators. Cleaned four sets of BAT media -- (2) D BATs & (2) B BATs. Added 1 gallon BioJet 7 to the treatment tanks to enhance remaining bacteria. Invoice to follow in separate email. Thank you.

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Copy emailed to the customer on 7/6/2022.

Insp ID #: 518689

**Provider:** *R. Bruce Cobabe*

R. Bruce Cobabe

License Info: MP0000572 Expires: 11/30/2023

License Info: MT0000909 Expires: 12/31/2023

**South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006**

**Phone: (830) 249-8098**

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

To: Spinnerz Laundromat  
Attention: Geoff Oliver  
123 Brackenridge Ave., #337  
San Antonio, TX 78209

Printed: 9/23/2022  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(713) 725-5916

Permit #: **80526**

Agency: Comal County Environmental

County: Comal

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 844

Contract Dates: 8/24/2021 - 8/24/2023

Scheduled Date: 8/24/2022

Inspection 3 of 6

Installed: 1/25/2000

Aerator S/N: JAN1900122

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

**Visit Date: 9/16/2022**

Time In: 10:29

Out: 2:16

**Entered By: Lynn**

**Method: Grab**

**Technician: Andrew Dykes - MT0001810**

**Maint. Provider: R. Bruce Cobabe**

**Aerators: Operational**

**Filters: Operational**

**Irrigation Pumps: Operational**

**Disinfection Device: Operational**

**Chlorine Supply: Operational**

**Chlorine Residual: 1.0**

**Sludge Levels**

**For Tank 3: 3-6"**

**Tank Lid / Riser: Secured**

**Electric Circuits: Operational**

**Distribution System: Operational**

**Sprayfield Veg: Operational**

**Alarm: Operational**

**Comments**

☒ **Service Completed**

Serviced

Tech cleaned underground filter, blew all (4) sets of bats, lift station is ok. Pumps are working, spray field looks ok. Control panel is ok. Added vent tubes to aerators

- BATs cleaned during the Scheduled inspection

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - System has liquid chlorinator. Homeowner adds own liquid bleach. - Copy emailed to the customer on 9/23/2022.

Insp ID #: 520468

**Provider: R. Bruce Cobabe**

R. Bruce Cobabe

License Info: MP0000572 Expires: 11/30/2023

License Info: MT0001810 Expires: 10/31/2022

**South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006**

**Phone: (830) 249-8098**

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

To: Spinnerz Laundromat  
Attention: Geoff Oliver  
3005 S Lamar Blvd, Ste D-109, Box 290  
Austin, TX 78704

Printed: 1/26/2023  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(713) 725-5916

Permit #: 80526

Agency: Comal County Environmental  
County: Comal  
Mfg / Brand: - Jet - multiple aerators  
Treatment Type: Aerobic  
Disposal: Surface Application

Customer ID: 844

Contract Dates: 8/24/2021 - 8/24/2023

Scheduled Date: 12/24/2022

Inspection 4 of 6

Installed: 1/25/2000

Aerator S/N: JAN1900122

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

**Visit Date: 12/30/2022**

Time In: 9:38

Out: 1:32

**Entered By: Lynn**

**Method: Grab**

**Technician: Carlos Romero - MT0000909**

**Maint. Provider: R. Bruce Cobabe**

**Aerators: Operational**

**Sludge Levels**

**Filters: Operational**

**Disinfection Device: Operational**

**For Tank 3: 3"**

**Chlorine Supply: Operational**

**Chlorine Residual: 1.0**

**Chlorinator: Op**

**Tank Lid / Riser: Secured**

**Sprayfield Veg: Operational**

**Recirculation Pumps: Operational**

**Alarm: Operational**

**Comments**

☒ **Service Completed**

Serviced

Tech returned and replaced the lower float switch and the start relay in the control box. Tech also flushed out the 2" pipe that was clogged.

- Invoice to follow in separate email. Thank you. - Technician Secured the Tank Lid and/or Riser prior to leaving location. - System has liquid chlorinator. Homeowner adds own liquid bleach. - Copy emailed to the customer on 1/26/2023.

Insp ID #:523467

**Provider: R. Bruce Cobabe**

R. Bruce Cobabe

License Info: MP0000572 Expires: 11/30/2023

License Info: MT0000909 Expires: 12/31/2023

**South Texas Wastewater Treatment**  
**PO Box 1284**  
**Boerne, TX 78006**

Phone: (830) 249-8098

Date: 8/16/2023

**To: Spinnerz Laundromat**  
**Attention: Geoff Oliver**  
**3005 S Lamar Blvd, Ste D-109, Box 290**  
**Austin, TX 78704**

**Contract Period**

**Start Date: 8/24/2023**

**End Date: 8/24/2025**

**Permit #: 80526**

Phone: (713) 725-5916      Subdivision:  
Site: 8719 FM 2673, Canyon Lake, TX 78133

Email: oliventurestx@gmail.com

County: Comal

Installer:

Installed: 1/25/2000

3 visits per year - one every 4 months

Agency: Comal County Environmental

South Texas Wastewater Treatment

Mfg/Brand: / Jet - multiple aerators

Map Key: ID: 844

I. General: This Work for Hire Agreement ( hereinafter referred to as "Agreement" ) is entered into by and between South Texas Wastewater Treatment and the above referenced name (referred to as Customer). By this agreement, South Texas Wastewater Treatment and its' employees (hereinafter referred to as "Contractor") agree to render services at the site address stated above, as described herein, and the Customer agrees to fulfill his/her/their responsibilities, as described herein.

II. Effective Dates: This agreement commences and ends as noted above.

III. Renewal: This Agreement shall automatically renew for an additional period of two (2) years at the same terms and conditions unless either party gives notice of termination a minimum of thirty (30) days prior to end of first agreement period. See Section IV.

IV Termination of Agreement: This Agreement may be terminated by either party with thirty (30) days written notice for any reason, including for example, substantial failure to perform in accordance with its terms, without fault or liability of the terminating party. NO REFUNDS. If this Agreement is so terminated, Contractor will be paid at the rate of \$95.00 per hour for any work performed and for which compensation has not been received. Either party terminating this agreement for any reason, including non-renewal, shall notify in writing the appropriate regulatory agency a minimum of thirty (30) days prior to the date of such termination.

V. Services: Contractor will:

A. Inspect and perform routine upkeep on the On-Site Sewage Facility (hereinafter referred to as OSSF) as recommended by the treatment system manufacturer, and required by state and/or local regulations approximately every four months.

B. Provide a written record of visits to the site by means of an inspection tag attached to or contained in or near the control panel.

C. Repair or replace: if repairs or replacement of parts is necessary during a routine service visit, the repair or replacement of parts will be made at that time, if the charges for parts do not exceed \$100.00. If the charges for parts exceed \$100.00, the homeowner will be contacted for approval at the number(s) provided by the homeowner below. If the homeowner cannot be reached for approval while the technician is at the property, the repairs will not be made if they exceed \$100.00. If the technician receives approval after he leaves the property, a service call charge of \$95.00 to return to the property will be added to the final bill. If warranted items are required to be replaced within 30 days of installation, labor will not be charged. After 30 days, labor will be charged according to the service agreement.

D. Provide sample collection and laboratory testing of TSS and BOD on a yearly basis as required by permit. An additional charge will be incurred by the Customer for this service. (Only required for other than single family residence.).

E. Forward copies of this Agreement and all reports to the regulatory agency and the customer within 14 days.

F. Visit site in response to Customer's request for unscheduled service within forty-eight (48) hours of the date of notification of said request.

Unless otherwise covered by warranty, costs for such unscheduled responses will be billed to Customer.

VI. Disinfection: Not Required. X Required. The responsibility to maintain the disinfection device (s) and provide any necessary chemicals is that of the Customer. If the Customer pays for it (See Attached Invoice), Contractor will add 6 tablets of chlorine at routine services (See Section V' Sub-section A) 6

**INITIAL**

VII. Electronic Monitoring    is   X   is not included in this Agreement.

VIII. Performance of Agreement: Commencement of performance by Contractor under this agreement is contingent on the following conditions:

A. If this is an initial agreement ( new installation ):

1. Contractor's receipt of a fully executed original copy or email of this agreement and all documentation requested by Contractor.

2. Contractor providing the equipment and installation for this OSSF.

3. Contractor's receipt of payment in full for the equipment and installation.

4. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in section XIV of this Agreement.

B. If this is not an initial agreement (existing system):

1. Contractor's receipt of a fully executed original copy of this agreement and all documentation requested by Contractor.

2. Contractor's receipt of payment of the wastewater monitoring fee in accordance with the terms as described in Section XIV of this agreement

C. If the above conditions are not met, Contractor is not obligated to perform any portion of this agreement.

IX. Customer's Responsibilities: The Customer is responsible for each and all of the following :

A. **DO NOT ALLOW ALTERATION TO ANY PART OF THE SYSTEM OR SPRINKLER HEAD LOCATIONS. ALTERATIONS WOULD PUT THE SYSTEM OUT OF COMPLIANCE AND WOULD CAUSE THE PROPERTY OWNER ADDITIONAL EXPENSES TO BRING THE SYSTEM BACK INTO COMPLIANCE.**

B. Provide all necessary yard or lawn maintenance and the removal of all obstacles, including but not limited to dogs and other animals,



vehicles, trees, brush, trash, or debris, as needed to allow the OSSF to function properly, and to allow Contractor safe and easy access to all parts of the OSSF.

- C. Protect equipment from physical damage including but not limited to that damage caused by insects.
- D. Maintain a current license to operate, and abide by the conditions and limitations of that license, and all requirements for an on-site sewage facility (OSSF) from the State and/or local regulatory agency, whichever are more stringent, as well as proprietary system's
- E. Notify Contractor immediately of any and all alarms, and/or any and all problems with, including failure of, the OSSF.
- F. Provide, upon request by Contractor, water usage records for evaluation by Contractor as to the performance of the OSSF.
- G. Allow for samples at both the inlet and outlet of the OSSF to be obtained by Contractor for the purpose of evaluating the OSSF's performance. If these samples are taken to a laboratory for testing, with the exception of the service provided under Section. Sub-section D above, Customer agrees to pay Contractor for sample collection and transportation, portal to portal, at a rate of \$95.00 per hour plus the associated fees for laboratory testing.
- H. Prevent the backwash or flushing of water treatment of conditioning equipment from entering the OSSF.
- I. Prevent the condensate from air conditioning or refrigeration units, or the drains of icemakers, from hydraulically overloading the aerobic treatment units. Drain lines may discharge into the surface application pump tank if approved by system designer.
- J. Provide for pumping and cleaning of tanks and treatment units, when and as recommended by Contractor, at Customer's expense.
- K. Maintain site drainage to prevent adverse effects on the OSSF.
- L. Pay promptly and fully, all Contractor's fees, bills, or invoices as described herein.
- X. **Access by Contractor:** Contractor is hereby granted an easement to the OSSF for the purpose of performing services described herein. Contractor may enter the property during Contractor's normal business hours and/or other reasonable hours without prior notice to Customer to perform the Services and/or repairs described herein. Contractor shall have access to the OSSF electrical and physical components. **IF SPECIAL ARRANGEMENTS ARE REQUESTED (any advance or prior notice or contacting of owner/resident in order to enter property to perform routine service visit, (locked gates, biting dogs, appointment to enter, to call on the way, etc.) or if any part of the system is located behind a locked door (garage, etc.) -THERE IS AN ADDITIONAL CHARGE.** Tanks and treatment units shall be accessible by means of man ways, or risers and removable covers, for the purpose of evaluation as required by State and/or local rules and proprietary system manufacturer. If not an initial agreement (new installation) and this access is not in place or provided for by the customer, the costs for the labor of excavation, and possibly other labor and materials costs, will be required. These costs shall be billed to Customer as an additional service at a rate of \$95.00 per hour, plus materials at list price. Excavated soil shall be replaced as best as Contractor can at the time such service is performed and under no circumstances is Contractor responsible for damages to sod, grass, roots, landscaping, or any unmarked underground items (telephone, television, or electric cables, water air or gas lines, etc.), or for the uneven settling of the soil.
- XI. **Limit of Liability:** Contractor shall not be held liable for any incidental, consequential, or special damages, or for economic loss due to expense, or for loss of profits or income, or loss of use to Customer, whether in contract tort or any other theory. In no event shall Contractor be liable in an amount exceeding the total Fee for Services amount paid by Customer under this Agreement.
- XII. **Severability:** If any provision of this "Proposal and Contract" shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this "Agreement" is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.
- XIII. **Fee for Services:** The fee for the basic Services described in this Agreement is \_\_\_\_\_. This fee does not include any equipment, materials, or labor necessary for non-warranty repairs and/or any on-site visit, other than required regularly Scheduled Inspections (see Section V, Item A), and will incur a service call fee of \$95.00, plus parts and labor.
- XIV. **Payment:** Payment of Fee for Services for the original term as stated above is to be made as follows:  
\_\_\_\_ Included in PROPOSAL AND CONTRACT  
\_\_\_\_ Full amount due upon signature (Required of new Customer)  
☒ Payments of \$ 1400.00 due upon receipt of invoice. (Payment terms for renewal of agreement.)
- Payment of invoice(s) for any other service or repair provided by contractor is due upon receipt of invoice. Invoices are mailed on the date of invoice. All payments not received within thirty (30) days from the invoice date will be subject to a late penalty and a 1.5% per month carrying charge, as well as any reasonable attorney's fees, and all collection and court costs incurred by Contractor in collection of unpaid debt(s). Any check returned to Contractor for any reason will be assessed a \$30.00 returned check fee.
- XV. **Application of Transfer of payment:** The fees paid for this agreement are not refundable, however, the agreement is transferable. Customer will advise subsequent property owner(s) of the state requirement that they sign a replacement agreement authorizing Contractor to perform the herein described Services, and accepting Customer's Responsibilities. This replacement Agreement must be received from Customer first to any past due obligations arising from this Agreement including late fees or penalties, returned check fees, and/or charges for services or repairs not paid within thirty (30) days of invoice date. Any remaining monies shall be applied to the funding of the replacement Agreement. The consumption of funds in this manner may cause a reduction in the termination date of effective coverage per this agreement. See Section IV.
- XVI. **Entire Agreement:** This agreement contains the entire agreement of the parties, and there are no other promises or conditions in any other agreement, oral or written.

R. Bruce Colabe R. Bruce Colabe SSF Installer II, Lic OS0004815, and, OSSF Site Evaluator, Lic OS0012360  
Name Date exp 1/31/2024 exp 12/31/2023

Certified Service Provider for: Jet Inc.

Member: Texas On-Site Wastewater Association and National On-site Wastewater Recycling

*Acceptance of Agreement: The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to perform the Services as specified. It is understood and agreed that this work is not provided for in any other agreement and no contractual rights arise until this "Agreement" is accepted in writing AND payment is made as outlined above.*

[Signature] 9/15/23 oliventurestx@gmail.com  
Customer Date E-Mail

**CONTACT PHONE NUMBERS:**

#1 713-725-5916  
#2 830-423-3106

**Gate Codes:**

SubDivision n/a  
Property n/a

South Texas Wastewater Treatment  
PO Box 1284  
Boerne, TX 78006

Phone: (830) 249-8098

To: Spinnerz Laundromat  
Attention: Geoff Oliver  
3005 S Lamar Blvd, Ste D-109, Box 290  
Austin, TX 78704

Printed: 6/12/2023  
Site: 8719 FM 2673  
Canyon Lake, TX 78133  
(713) 725-5916

Permit #: **80526**

Agency: Comal County Environmental

County: Comal

Mfg / Brand: - Jet - multiple aerators

Treatment Type: Aerobic

Disposal: Surface Application

Customer ID: 844

Contract Dates: 8/24/2021 - 8/24/2023

Scheduled Date: 4/24/2023

Aerator S/N: JAN1900122

Inspection 5 of 6

Installed: 1/25/2000

**Service Type: Scheduled Inspection**

☒ This counts as a type of "Scheduled Inspection"

Visit Date: **6/7/2023**

Time In: 10:15am

Out: 1:40pm

Entered By: Monica

Method: **Grab**

Technician: Robert Williams-MT0001160

Maint. Provider: R. Bruce Cobabe

Aerators: Corrected on site

**Sludge Levels**

Filters: Operational

Irrigation Pumps: Operational

Disinfection Device: Operational

**For Tank 3: 6"**

Chlorine Supply: Operational

Chlorine Residual: 1.2

Chlorinator: Op

**Tank Lid / Riser: Secured**

Electric Circuits: Operational

Distribution System: Operational

Sprayfield Veg: Operational

Alarm: Operational

**Comments**

☒ **Service Completed**

Serviced

System has liquid chlorinator. Customer adds own liquid bleach. Cleaned all BAT media in all four treatment tanks. Will check sludge level again at next service. May be time to have system pumped-out. Pulled all aerators and cleaned out each shaft. Found one aerator (back left side) and two air pumps were inoperable. Troubleshoot. Reset circuit breakers. Breakers checked out fine. System is running as designed.

- Technician Secured the Tank Lid and/or Riser prior to leaving location. - Copy emailed to the customer on 6/12/2023.

Insp ID #:527367

Provider: *R. Bruce Cobabe*

R. Bruce Cobabe

License Info: MP0000572 Expires: 11/30/2023

License Info: MT0001160 Expires: 4/30/2025