



MONTGOMERY COUNTY HEALTH SERVICES
ENVIRONMENTAL DIVISION
NOTICE OF APPROVAL

Having been inspected by the Montgomery County Health Services and being found to comply with the minimum requirements of the State of Texas and Montgomery County Texas for On-Site Sewerage Facilities as amended, the licensee is hereby notified that the system is approved for operation and use.

Design By: ROSS, ANDREW

Installer: JOSEPH P. HURST

Site Address: 31915 WALNUT CREEK

Legal Description: Defined Location: BEING 26.105AC O/O VOL
532 PG 627

Max. Daily Flow: 300 GALLONS

Type of System: SURFACE APPLICATION

Inspector Name: BRAND - PROFLO
DARRELL REED, D.R.8431 *DR*

Date: 08.22.17

Signature

A handwritten signature in black ink, appearing to read "Darrell Reed".

Date

9/12/17

OSSF Coordinator

Montgomery County Health Services - Environmental Division
501 N Thompson Ste 101
Conroe, Texas 77301
(936) 539-7839 * (281) 353-9791 ext. 7839



AFFIDAVIT TO THE PUBLIC

Before me, the undersigned authority, on this day personally appeared Robert M. Weber, CEO of Mosaic Residential, Inc. who, after being by me duly sworn upon oath, states that he/she is the owner of record of that certain tract or parcel of land lying and being situated in Montgomery County, Texas and being more particularly described as follows:

Subdivision: _____

Section: _____ Block: _____ Lot: _____ If not available: See Attached Metes and Bounds

The undersigned further states that a surface application on-site wastewater treatment system will be installed in accordance with the permitting provisions of the Texas Commission on Environmental Quality. The undersigned has entered into a maintenance agreement as required by the permitting entity, with an approved maintenance company for service and repairs to the application system.

Further, the undersigned states that he/she 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 this system. For more information concerning the rules or regulations on surface application on-site wastewater treatment system, please contact the Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087 or (512) 908-1000.

I hereby agree and acknowledge that I must:

1. Employ, by means of an initial two-year policy contract, a certified maintenance provider.
2. Employ a certified maintenance provider during the entire operational life of the said application facility.
3. Assure that the certified maintenance provider provides the testing of the sewage effluent on the schedule provided below and sends the required report to the Permit Division:

Three Times per Year: pH and Chlorine Residual

4. Operate this system in strict conformance with sewage effluent discharge standards promulgated by Texas Commission on Environmental Quality (TCEQ).
5. Adhere to maximum gallons per day as stated in design.

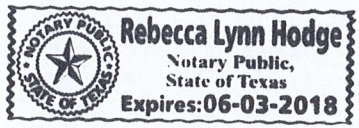
Failure to abide by the above conditions could result in the issuance of citations. The start-up date of the facility will mark the anniversary date of testing and reporting.

WITNESS MY/OUR HAND(S) on this 31st day of July, 2017.

Owner's Return Address:
Mosaic Residential, Inc.
15021 Katy Fwy, Ste 580
Houston TX, 77094

[Signature]
Owner's Signature
Robert M. Weber, CEO
Owner's Printed Name

SWORN TO AND SUBSCRIBED BEFORE ME on this 31 day of July, 2017.



[Signature]
Notary Public, State of Texas
My Commission Expires: 6-3-18

FIELD DATA SERVICE, INC.
2307 BRISTOL BAND
KATY, TEXAS 77450
PHONE (281) 351-7153

METES AND BOUNDS

MAY 1, 2012

FIELD NOTES FOR A 26.105 ACRE TRACT OF LAND, OUT OF AND APART OF A CALLED 30.00 ACRE TRACT OF LAND, TRACT 16, DESCRIBED IN A DEED RECORDED IN VOLUME 532, PAGE 627 OF THE DEED RECORDS OF MONTGOMERY COUNTY, TEXAS, OUT OF AND APART OF A CALLED 30.00 ACRE TRACT OF LAND, TRACT 17, DESCRIBED IN A DEED RECORDED IN VOLUME 540, PAGE 591 OF THE SAID DEED RECORDS AND OUT OF AND A PART OF A CALLED 20.029 ACRE TRACT OF LAND, TRACT 1, A CALLED 0.366 ACRE TRACT OF LAND, TRACT 2, BOTH LAND DESCRIBED UNDER MONTGOMERY COUNTY CLERK'S FILE NUMBER 8226305 AND ALL OF A CALLED 9.66 ACRE TRACT OF LAND DESCRIBED UNDER MONTGOMERY COUNTY CLERK'S FILE NUMBER 8908113 AND BEING SITUATED IN THE G.H. BRINGHURST SURVEY, ABSTRACT NUMBER 86 OF THE SAID COUNTY AND STATE. ALL BEARINGS AND COORDINATES ARE REFERRED TO THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE, DEFINED IN THE TEXAS NATURAL RESOURCES CODE, SECTION 20.071, AND ET. SEQ. AND ARE BASED ON THE PUBLISHED POSITION (2001 ADJ.) OF NOAA/NGS STATION: COOPERATIVE CORS HMS 1, TO CONVERT THE SURFACE DISTANCE TO GRID DISTANCE, MULTIPLY BY A COMBINATION SCALE FACTOR OF 0.999951143, SAID 26.105 ACRE TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING: AT A FOUND CONCRETE MONUMENT HAVING COORDINATES OF $X = 3,752,729.205$ AND $Y = 10,039,972.354$ IN THE NORTHWEST RIGHT-OF-WAY LINE OF WALNUT CREEK ROAD, BASED ON 60' WIDTH, FOR THE SOUTHEAST CORNER OF THE HEREIN DESCRIBED TRACT, THE SOUTHEAST CORNER OF THE SAID 0.366 ACRE TRACT OF LAND, A CORNER OF THE SAID TRACT 16 AND THE NORTHEAST CORNER OF ARMADILLO WOODS A RECORDED SUBDIVISION ACCORDING TO A MAP OR PLAT THEREOF RECORDED IN CABINET "D", SHEET 87B OF THE MAP RECORDS OF THE SAID COUNTY AND STATE;

2012-020

THENCE: SOUTH 86° 28' 27" WEST, A DISTANCE OF 1255.12 FEET WITH THE NORTH LINE OF SAID ARMADILLO WOODS, WITH THE SOUTH LINE OF THE SAID 0.366 ACRE TRACT OF LAND, THE SOUTH LINE OF THE SAID 20.029 ACRE TRACT OF LAND, THE SOUTH LINE OF THE SAID TRACT 16 AND THE SOUTH LINE OF THE SAID TRACT 17 TO A FOUND CONCRETE MONUMENT FOR THE SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT, THE SOUTHWEST CORNER OF THE SAID 20.029 ACRE TRACT OF LAND, THE SOUTHWEST CORNER OF SAID TRACT 17 AND THE SOUTHEAST CORNER OF A CALLED 30.00 ACRE TRACT OF LAND, TRACT 18, DESCRIBED IN A DEED RECORDED IN VOLUME 540, PAGE 596 OF THE SAID DEED RECORDS;

THENCE: NORTH 02°59'40" WEST, A DISTANCE OF 904.28 FEET WITH THE EAST LINE OF THE SAID TRACT 18, WITH THE WEST LINE OF THE SAID TRACT 17 AND THE WEST LINE OF THE SAID 20.029 ACRE TRACT OF LAND TO A SET 3/4 INCH IRON ROD WITH A PLASTIC CAP MARKER F.D.S. 2053 FOR A CORNER OF THE HEREIN DESCRIBED TRACT, A CORNER OF THE SAID 20.029 ACRE TRACT OF LAND AND THE SOUTHWEST CORNER OF A CALLED 10.00 ACRE TRACT OF LAND DESCRIBED UNDER MONTGOMERY COUNTY CLERK'S FILE NUMBER 2000-096223 AND FROM SAID CORNER A FOUND 5/8 INCH IRON WITH A PLASTIC CAP BEARS SOUTH 86°28'19" WEST, A DISTANCE OF 0.33 FEET;

THENCE: NORTH 86° 28' 19" EAST, A DISTANCE OF 500.09 FEET WITH THE SOUTH LINE OF THE SAID 10.00 ACRE TRACT OF LAND AND A LINE OF THE SAID 20.029 ACRE TRACT OF LAND TO A FOUND 5/8 INCH IRON ROD FOR A CORNER OF THE HEREIN DESCRIBED TRACT, A CORNER OF THE SAID 20.029 ACRE TRACT OF LAND AND THE SOUTHEAST CORNER OF THE SAID 10.00 ACRE TRACT OF LAND AND THE SOUTHWEST CORNER OF A CALLED 3.918 ACRE TRACT OF LAND DESCRIBED UNDER MONTGOMERY COUNTY CLERK'S FILE NUMBER 2012-008611;

THENCE: NORTH 35° 31'18" EAST, A DISTANCE OF 378.60 FEET, WITH THE SOUTH LINE OF THE SAID 3.918 ACRE TRACT OF LAND TO A FOUND 3/8 INCH IRON ROD IN THE WEST LINE OF THE SAID TRACT 17 AND THE EAST LINE OF SAID TRACT 16 FOR NORTH CORNER OF THE HEREIN DESCRIBED TRACT, THE SOUTHEAST CORNEER OF THE SAID 3.918 ACRE TRACT OF LAND, THE NORTH CORNER OF THE SAID 9.66 ACRE TRACT OF LAND AND THE NORTHWEST CORNER OF ANOTHER 10.00 ACRE TRACT OF LAND DESCRIBED UNDER MONTGOMERY COUNTY CLERK'S FILE NUMBER 2009-009741;

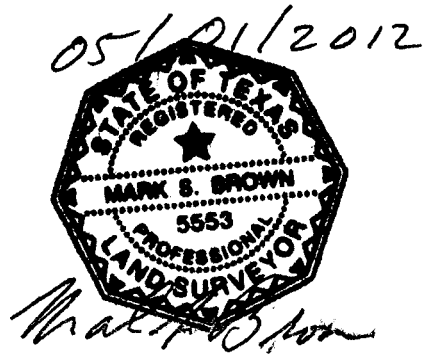
THENCE: SOUTH 35° 36'06" EAST, A DISTANCE OF 1224.23 FEET ALONG A FENCE, WITH THE EAST LINE OF THE SAID 9.66 ACRE TRACT OF LAND AND THE WEST LINE OF THE SAID ANOTHER 10.00 ACRE TRACT OF LAND TO A FOUND 3/8 INCH IRON ROD IN THE NORTHWEST RIGHT-OF-WAY LINE OF SAID WALNUT CREEK ROAD, FOR THE MOST NORTHEAST CORNER OF THE HEREIN DESCRIBED TRACT, IN A LINE OF THE SAID TRACT 16, THE SOUTHEAST CORNER OF SAID 9.66 ACRE TRACT OF LAND AND THE SOUTHWEST CORNER OF THE SAID ANOTHER 10.00 ACRE TRACT OF LAND;

THENCE: SOUTH 37° 53' 43" WEST, A DISTANCE OF 214.62 FEET WITH A LINE OF THE SAID 9.66 ACRE TRACT OF LAND, A LINE OF THE SAID TRACT 16, THE NORTHWEST RIGHT-OF-WAY LINE OF SAID WALNUT CREEK ROAD AND THE EAST LINE OF THE SAID CALLED 0.366 ACRE TRACT OF LAND TO THE **PLACE OF BEGINNING** AND CONTAINING 26.105 ACRES OF LAND.

THERE WAS A SURVEY PLAT PREPARED IN CONNECTION WITH THESE METES AND BOUNDS.

THIS IS TO CERTIFY THAT THIS DESCRIPTION OF LAND REPRESENTS AN ACTUAL SURVEY MADE ON THE GROUND UNDER MY SUPERVISION, AS SHOWN BY THE ACCOMPANYING PLAT AND SUBSTANTIALLY COMPLIES WITH THE CURRENT TEXAS SOCIETY OF PROFESSIONAL LAND SURVEYORS STANDARDS AND SPECIFICATIONS FOR A CATEGORY 1A, CONDITION III, SURVEY.

MARK S. BROWN
PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NUMBER 5553
RLA/jag



2012-020

FILED FOR RECORD
08/02/2017 02:01PM

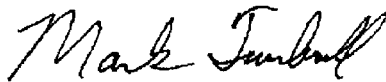


COUNTY CLERK
MONTGOMERY COUNTY, TEXAS

STATE OF TEXAS,
COUNTY OF MONTGOMERY

I hereby certify that this instrument was filed in the file number
sequence on the date and time stamped herein
by me and was duly RECORDED in the Official Public
Records of Montgomery County, Texas.

08/02/2017



County Clerk
Montgomery County, Texas

Maintenance Contract provided by:

Lone Star Well & Septic

PO BOX 390
PLANTESVILLE, TX 77363
832-585-2025/832-296-4478

ONE YEAR SERVICE CONTRACT

OR

TWO YEAR SERVICE CONTRACT

TERMS DATE FROM: 8-17
TERMS DATE TO: 8-17
OSSF TYPE: SPINDLES

PERMIT# 150739-17
COUNTY: Montgomery
OF INSP: 6

THIS CONTRACT assures that Lone Star Well and Septic will perform inspections and maintenance to your system. There will be a minimum of required inspections based on what County you are in. The inspection will include a visual for color, turbidity, sludge build up, scum overflow, and odor. Perform manufactures recommended maintenance schedule on all components and equipment (ie aerator, air filter, alarm controls, etc). Repairing or replacing of any malfunctioning components and/or equipment will be at the CUSTOMERS EXPENSE. This contract includes all required reporting to the regulatory agency and testing of C12, pH, annual T.S.S. and BOD sampling. The CUSTOMER will be responsible for the cost of and filling the disinfection chamber with chlorine. The CUSTOMER will be responsible for the sludge hauling (pumping of septic system) if needed. Complaints by the customer, regarding system will be handled within 48 hours.

CERTIFIED INSPECTOR:
JOSEPH HURST
TCEQ # MP1977

Joseph Hurst
(Signature)
8-22-17
Date

CUSTOMER:

Name: BOB WETTER
Address: 31915 WALNUT
CITRUS MOUNTAIN
TX 77363
[Signature]
(Signature)
8-22-17
Date

MONTGOMERY COUNTY DEVELOPMENT PERMIT STRUCTURE

501 N Thompson Ste 100

Conroe, TX 77301

(936) 539-7836

SEPTIC

PERMIT NO. 150739-17

HODGE/MASON # 11.1

CLERK TG

STATE OF TEXAS }
COUNTY OF MONTGOMERY }

This notice confirms that this SEPTIC permit was issued to:
Applicant: ROSS, ANDREW Owner: MOSAIC RESIDENTIAL, INC.
on 03 AUG 17 in Montgomery County, Texas and is NONTRANSFERABLE. This permit
authorizes the permittee to construct, install or make improvements to a
R-SINGLE FAMILY HOUSE on the following described property:

Legal Description: BEING 26.105AC O/O VOL 532 PG 627
Nearest Major Road: HWY 249

FLOOD PLAIN

FLOODWAY

The requirements for the onsite sewage facility are based on the site
evaluation performed by ROSS, ANDREW on 01 AUG 2017.

Ground water encountered: N. Soil:
26.10 Acres 3064 Sq. Ft. of Living Area 4 No. of Bedrooms
.045 Application Rate PRIVATE WELL

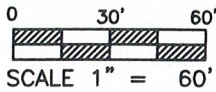
MINIMUM REQUIREMENTS:

1. Total capacity of Tanks in Gallons: 1000 Gallons. Max GPD :300
MINIMUM SQUARE FOOTAGE OF SPRAY AREA REQUIRED: 6667 SQ. FT.
2. System Type: SURFACE APPLICATION Designed By: ROSS, ANDREW
The construction, installation or substantial modification of a private
sewage facility shall be made in accordance with the approved design and
requirements of the Permit to Construct.
3. ANY CHANGES TO EQUIPMENT SPECIFIED OR GPD WILL REQUIRE OFFICE APPROVAL
PRIOR TO INSPECTION
MAINT. AGREEMENT REQUIRED PRIOR TO INSPECTION. FAX 936-788-8388

NOTE: Authorization to construct Septic System expires: 03 AUG 2018
Re-application will be required if septic system has not been installed by the
above date. Licensed installer or apprentice must be on site for inspection.

Approved by *Nyla Dalhaus DR 29143* . Date: *8-7-17*

NOTE REGARDING SEPTIC SYSTEMS: This Development Permit is an authorization to
CONSTRUCT a septic system. In order to obtain a NOTICE OF APPROVAL for this
septic system, a final inspection and approval by the Montgomery County
Environmental Health Department will be required.

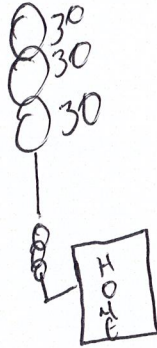
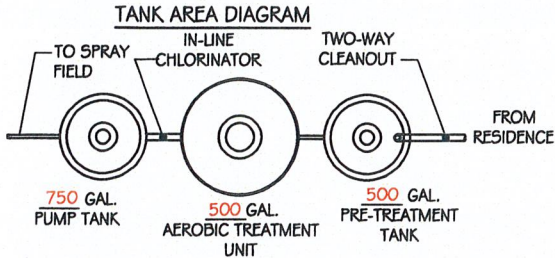


ROSS DESIGN SERVICE

RDS
SEPTIC DESIGN

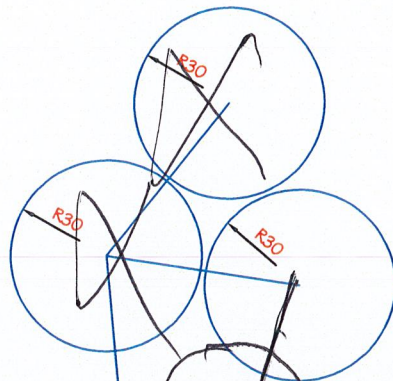
P.O. Box 1167
Pinehurst, TX 77362
281-384-3976
ANDREW@ROSSDESIGNSERVICE.COM

BOB WEBER
31915 WALNUT CREEK
MAGNOLIA, TX 77355



COUNTY:	MONTGOMERY
ACREAGE:	26.105
SURVEY:	G.H. BRINGHURST SURVEY
ABSTRACT:	A-86
SUBDIVISION:	
SECTION:	
BLOCK:	
LOT:	
FLOOD ZONE:	X
FEMA #:	48339C0490F
SLOPE:	<5%
BEDROOMS:	4
LIVING AREA:	3,064

DATE:	08-1-2017
DRAWN BY:	AKR
DESIGNED BY:	AKR
SCALE:	AS NOTED
TOTAL GPD:	300
APPLICATION RATE:	0.045
REQUIRED SPRAY AREA:	6,667
PROVIDED SPRAY AREA:	8,481



**3-30' R SPRAYHEADS
SPRAY AREA SHOWN
8481 SQ FT**

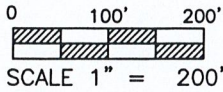
PROPOSED TANK BATTERY:
T.W.C.O.
PRE-TREATMENT TANK
AEROBIC TREATMENT UNIT
WITH 1/2 HP PUMP & INLINE CHLORINATOR
PUMP TANK

**EXISTING TANKS
TO BE DISPOSED
OF PROPERLY**

**EXISTING
3064 SQ FT
4 BEDROOM
HOME**

PROPOSED ON-SITE SEWAGE FACILITY	
EQUIPMENT SPECIFICATIONS	
PRE-TREATMENT TANK:	500 GALLON - PRE-CAST CONCRETE
AEROBIC TREATMENT UNIT:	500 GALLON - PROFLO500 OR EQUAL
PUMP TANK:	750 GALLON - PRE-CAST CONCRETE
SPRAYHEADS:	RAINBIRD ~30' RADIUS - R50LA OR EQUAL
TANK NOTES	
1. ALL EXISTING SEPTIC TANKS TO BE ABANDONED	
2. TANKS NOT BUILT FOR TRAFFIC BEARING LOADS	
3. TANKS INSTALLED IN LINE ON 90° OFFSETS	
MISCELLANEOUS NOTES	
1. MAINTAIN ALL BUFFER ZONES SHOWN ON DRAWING	
2. PRIVATE WATER WELL MUST BE A MINIMUM OF 50 FT. FROM SEPTIC TANKS AND 100FT. FROM SPRAY FIELD. UNLESS IT IS PRESSURE CEMENTED, THEN IT MUST BE 50 FT. FROM SEPTIC TANKS AND SPRAY FIELD.	
BUFFER ZONE NOTES	
- SEPTIC TANKS MUST BE AT LEAST 10 FT. FROM:	
- ANY EASEMENT NOT SHOWN ON DRAWING.	
- 5' FROM ANY SLAB.	

GENERAL NOTES:	
1. AN ON-SITE SEWAGE LICENSE MUST BE OBTAINED PRIOR TO INSTALLING THIS WASTEWATER DISPOSAL SYSTEM.	
2. SYSTEM INSTALLATION MUST BE BY A REGISTERED INSTALLER OF ON-SITE SEWAGE FACILITIES AS REQUIRED BY ARTICLE 4477-7E OF VERNONS CIVIL STATUTES OR BY THE OWNER OF THE PROPERTY UNDER LICENSE. NO COMPONENT OF THIS SYSTEM SHALL BE COVERED UP WITHOUT COUNTY'S APPROVAL.	
3. IF ANY DISCREPANCIES EXIST BETWEEN THIS DESIGN AND ACTUAL FIELD CONDITIONS IT IS THE INSTALLER'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE ENGINEER AND THE JURISDICTION PRIOR TO BEGINNING OF CONSTRUCTION.	
4. ALL CONSTRUCTION METHODS AND MATERIALS MUST BE IN ACCORDANCE WITH COUNTY AND STATE RULES AND POLICIES, UNLESS SPECIFICALLY NOTED ON THESE DRAWINGS AND ARE APPROVED BY THE JURISDICTION.	
5. SITE SHALL BE CAREFULLY FINISH GRADED AFTER CONSTRUCTION OF SYSTEM IS COMPLETED, TO PROVIDE ADEQUATE STORM WATER DRAINAGE. ABSORPTION AREA SHALL BE CROWNED. DRAINAGE SWALES SHALL BE CONSTRUCTED TO ADEQUATELY CONVEY STORM WATER DRAINAGE AWAY FROM ABSORPTION AREA.	
6. THIS SYSTEM INSTALLED AND OPERATED IN ACCORDANCE WITH THIS PLAN SHALL NOT PRESENT A HAZARD TO PUBLIC HEALTH, OR THREATEN PROPOSED OR ADJACENT WATER WELLS.	
7. THERE SHALL BE AT LEAST ONE DAY OF DRY STORAGE VOLUME OF ONE-THIRD THE DAILY FLOW BETWEEN THE ALARM-ON LEVEL AND THE INLET TO THE PUMP TANK.	
8. IF SYSTEM IS LOCATED IN FLOOD PLAIN, THEN ALL ELECTRICAL COMPONENTS NEED TO BE INSTALLED 18" ABOVE BASE FLOOD ELEVATION.	
9. PUMP TANK FLOAT ELEVATIONS MUST BE SET IN COMPLIANCE WITH 30 TAC 285.33(d)(2)(G)(iii)(1)	
10. SPRAY HEADS TO BE NO CLOSER THAN 10' FROM TREES OR OTHER OBSTRUCTIONS THAT INTERFERE WITH SPRAY PATTERN.	
11. TIMER MUST BE SET TO DISCHARGE BETWEEN THE HOURS OF MIDNIGHT AND 5 am.	



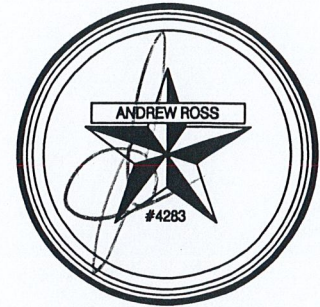
ROSS DESIGN SERVICE

RDS
SEPTIC DESIGN

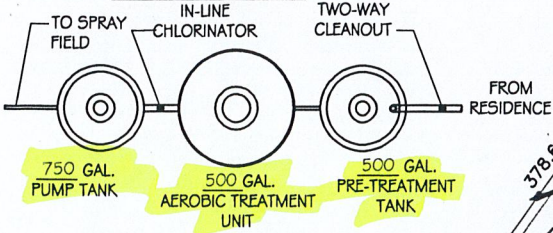
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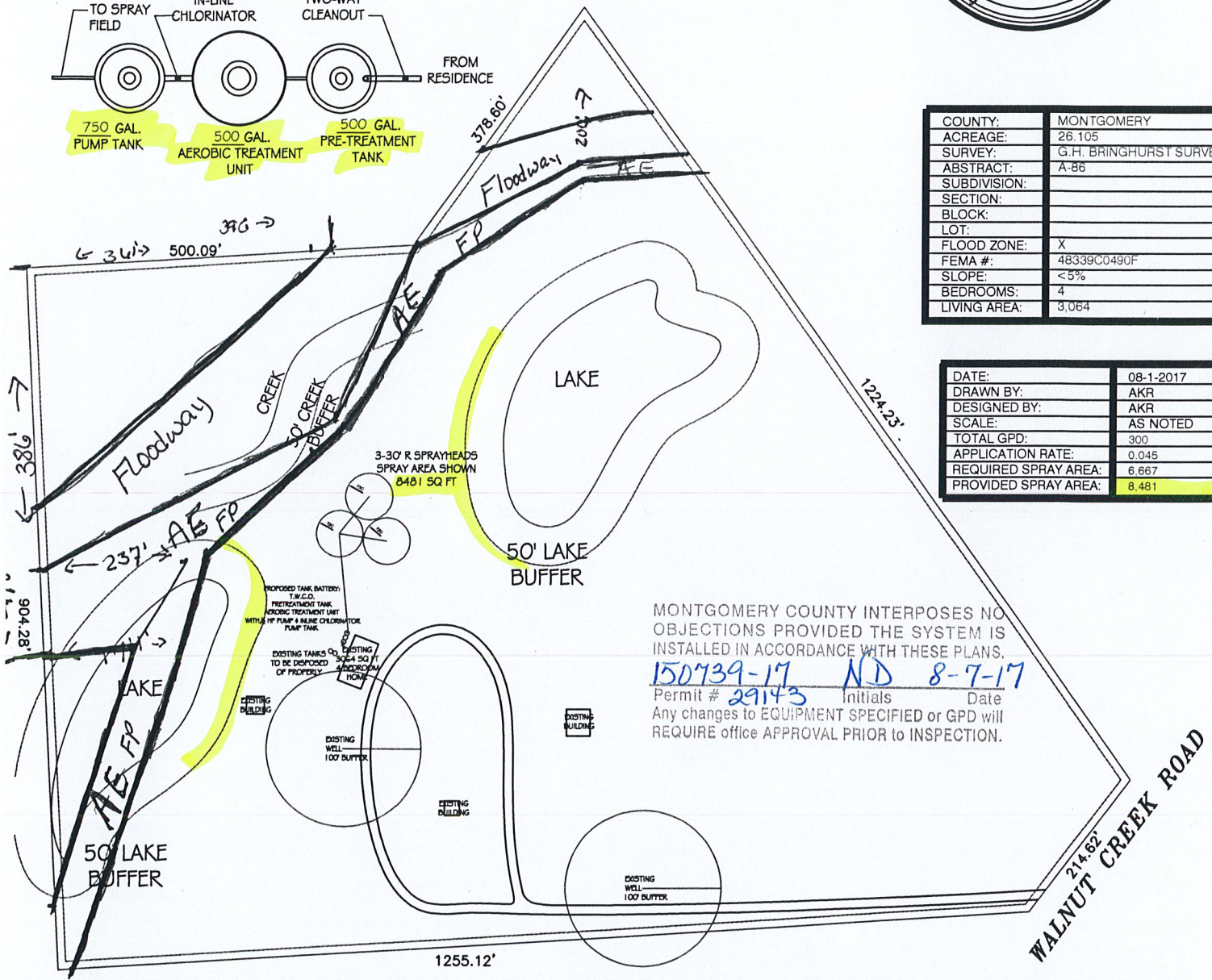


TANK AREA DIAGRAM



COUNTY:	MONTGOMERY
ACREAGE:	26.105
SURVEY:	G.H. BRINGHURST SURVEY
ABSTRACT:	A-86
SUBDIVISION:	
SECTION:	
BLOCK:	
LOT:	
FLOOD ZONE:	X
FEMA #:	48339C0490F
SLOPE:	<5%
BEDROOMS:	4
LIVING AREA:	3,064

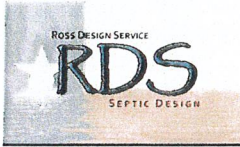
DATE:	08-1-2017
DRAWN BY:	AKR
DESIGNED BY:	AKR
SCALE:	AS NOTED
TOTAL GPD:	300
APPLICATION RATE:	0.045
REQUIRED SPRAY AREA:	6.667
PROVIDED SPRAY AREA:	8.481



MONTGOMERY COUNTY INTERPOSES NO OBJECTIONS PROVIDED THE SYSTEM IS INSTALLED IN ACCORDANCE WITH THESE PLANS.
150739-17 ND 8-7-17
 Permit # 29143 Initials Date
 Any changes to EQUIPMENT SPECIFIED or GPD will REQUIRE office APPROVAL PRIOR TO INSPECTION.

PROPOSED ON-SITE SEWAGE FACILITY	
EQUIPMENT SPECIFICATIONS	
PRETREATMENT TANK:	500 GALLON ~ PRE-CAST CONCRETE
AEROBIC TREATMENT UNIT:	500 GALLON ~ PROFLO500 OR EQUAL
PUMP TANK:	750 GALLON ~ PRE-CAST CONCRETE
SPRAYHEADS:	RAINBIRD ~ 30" RADIUS ~ R50LA OR EQUAL
TANK NOTES	
1. ALL EXISTING SEPTIC TANKS TO BE ABANDONED	
2. TANKS NOT BUILT FOR TRAFFIC BEARING LOADS	
3. TANKS INSTALLED IN LINE ON 90° OFFSETS	
MISCELLANEOUS NOTES	
1. MAINTAIN ALL BUFFER ZONES SHOWN ON DRAWING	
2. PRIVATE WATER WELL MUST BE A MINIMUM OF 50 FT. FROM SEPTIC TANKS AND 100 FT. FROM SPRAY FIELD, UNLESS IT IS PRESSURE CEMENTED. THEN IT MUST BE 50 FT. FROM SEPTIC TANKS AND SPRAY FIELD.	
BUFFER ZONE NOTES	
~ SEPTIC TANKS MUST BE AT LEAST 10 FT. FROM:	
~ ANY EASEMENT NOT SHOWN ON DRAWING.	
~ 5' FROM ANY SLAB.	

GENERAL NOTES:
1. AN ON-SITE SEWAGE LICENSE MUST BE OBTAINED PRIOR TO INSTALLING THIS WASTEWATER DISPOSAL SYSTEM.
2. SYSTEM INSTALLATION MUST BE BY A REGISTERED INSTALLER OF ON-SITE SEWAGE FACILITIES AS REQUIRED BY ARTICLE 4477-7E OF VERNONS CIVIL STATUTES OR BY THE OWNER OF THE PROPERTY UNDER LICENSE. NO COMPONENT OF THIS SYSTEM SHALL BE COVERED UP WITHOUT COUNTY'S APPROVAL.
3. IF ANY DISCREPANCIES EXIST BETWEEN THIS DESIGN AND ACTUAL FIELD CONDITIONS IT IS THE INSTALLER'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE ENGINEER AND THE JURISDICTION PRIOR TO BEGINNING OF CONSTRUCTION.
4. ALL CONSTRUCTION METHODS AND MATERIALS MUST BE IN ACCORDANCE WITH COUNTY AND STATE RULES AND POLICIES, UNLESS SPECIFICALLY NOTED ON THESE DRAWINGS AND ARE APPROVED BY THE JURISDICTION.
5. SITE SHALL BE CAREFULLY FINISH GRADED AFTER CONSTRUCTION OF SYSTEM IS COMPLETED, TO PROVIDE ADEQUATE STORM WATER DRAINAGE. ABSORPTION AREA SHALL BE CROWNED, DRAINAGE SWALES SHALL BE CONSTRUCTED TO ADEQUATELY CONVEY STORM WATER DRAINAGE AWAY FROM ABSORPTION AREA.
6. THIS SYSTEM INSTALLED AND OPERATED IN ACCORDANCE WITH THIS PLAN SHALL NOT PRESENT A HAZARD TO PUBLIC HEALTH, OR THREATEN PROPOSED OR ADJACENT WATER WELLS.
7. THERE SHALL BE AT LEAST ONE DAY OF DRY STORAGE VOLUME OF ONE-THIRD THE DAILY FLOW BETWEEN THE ALARM-ON LEVEL AND THE INLET TO THE PUMP TANK.
8. IF SYSTEM IS LOCATED IN FLOOD PLAIN, THEN ALL ELECTRICAL COMPONENTS NEED TO BE INSTALLED 18" ABOVE BASE FLOOD ELEVATION.
9. PUMP TANK FLOAT ELEVATIONS MUST BE SET IN COMPLIANCE WITH 30 TAC 285.33(d)(2)(G)(iii)(1)
10. SPRAY HEADS TO BE NO CLOSER THAN 10' FROM TREES OR OTHER OBSTRUCTIONS THAT INTERFERE WITH SPRAY PATTERN.
11. TIMER MUST BE SET TO DISCHARGE BETWEEN THE HOURS OF MIDNIGHT AND 5 am.



ON-SITE WASTEWATER SYSTEM CHECK LIST

The following information must be included with all design packages for review by the Texas Commission on Environmental Quality and/or the permitting Authority. Failure to include or address all of the following items may result in approval delays.

- Plans and reports must bear a signature address, telephone number and a dated seal on each page.
- A report must be included in the submittal containing the following information:
 - Basis of design*
 - Soil analysis and site evaluation*
 - System flow diagram and sizing calculations*
 - Material specifications and illustrations*
 - Size and model number of approved aerobic system (if used)*
- Construction drawings must include the following information:
 - A scaled, legible site plan with boundary description*
 - The location of all buildings & structures (existing or proposed)*
 - The location of the wastewater treatment units and disposal area*
 - Buffer zones and water wells must be identified and located on the site plan.*
 - The site plan must also include topographical contours for slopes greater than 30 percent.*
 - Easements and bodies of water (lakes, streams, ponds) must also be identified.*
 - Installation details such as septic tank configuration, layouts, and cross-sections of drain fields and disposal beds, irrigation systems, pump station including piping and controls.*
 - Affidavit to the Public for surface application systems recorded by the county.*
 - Records of testing and frequency for surface applications.*

HOME/BUSINESS OWNER	BOB WEBER	COUNTY	MONTGOMERY
STREET ADDRESS	31915 WALNUT CREEK	ACREAGE/LOT SIZE	
SUBDIVISION		SECTION	
BLOCK		LOT	
SURVEY	G.H. BRINGHURST	ABSTRACT	A-86

DATE ON SITE	07-31-2017	WATER SUPPLY	EXISTING WELL
RESIDENTIAL	X	COMMERCIAL	
BEDROOM HOME	4	TYPE OF FACILITY	
LIVING AREA	3064	SQUARE FEET	
PERMANENT RESIDENTS	4	EMPLOYEES	

SYSTEM TYPE	STANDARD PVC		GRAVEL-LESS PIPE		LPD	
	SURFACE APPLICATION	X	DRIP EMITTER		OTHER	

SYSTEM PERMITTED FOR: **300GPD**

This septic system was designed based on the above data and any discrepancies should be discussed with Andrew Ross prior to installation of the system. Any change to the design may require a redraw fee. Ross Design Service, nor its employees, will be held liable for any system malfunctions.



ANDREW ROSS
DATE: 08-01-2017

Registered Sanitarian #4283
Site Evaluator #OS0027998



SITE EVALUATION

FLOOD HAZARD

OUTSIDE 100 YEAR FLOOD PLAIN	X
PARTIALLY IN THE 100 YEAR FLOOD PLAIN	
IN 100 YEAR FLOOD PLAIN	
IN 100-YEAR FLOOD PLAIN AND FLOOD WAY	
FIRM PANEL #	48339C0490F

TOPOGRAPHY

SLOPE	
FLAT >2%	
SLIGHT <6%	X
SEVERE >30%	
VEGETATION	
GRASS/BRUSH	
LIGHTLY WOODED	X
HEAVILY WOODED	
DRAINAGE	
POOR	
ADEQUATE	X
GOOD	

WATER SUPPLY

COMMUNITY		COMPANY	
WATER WELL	X	DRILLER	EXISTING
YEAR DRILLED			
DEPTH		DIST FROM DISPOSAL AREA	100+
SIZE		PRESSURE CEMENTED	UNKNOWN

*ALL WELL REQUIRED DISTANCES MUST BE MAINTAINED
IF NEIGHBORING WELLS EXIST THEY MUST BE SHOWN*

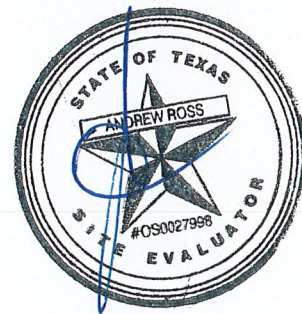
LANDSCAPE PLAN

For BOB WEBER
at 31915 WALNUT CREEK, MAGNOLIA, TX 77355

Homeowner will maintain existing vegetation and/or seed or sod any bare areas irrigated by the aerobic system at all times. Do not plant any shade trees in this area. Settling of the backfill will occur over time. Owner should continually check for this & fill in any low places to prevent rainfall from pooling on the surface of the drain field. Plant a dense grass or groundcover in the drain field area. Over-seed with winter grasses for absorption during dormant growing seasons. The grass should be kept mowed to allow as much sunlight as possible to reach the ground surface. This aids in the evapo-transpiration of water/wastewater & prevent soil erosion.



Registered Sanitarian #4283
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ANDREW ROSS
DATE: 08-01-2017



Ross Design Service
P.O. Box 1167, Pinehurst, TX 77362 281-384-5976

SOIL EVALUATION

PROFILE DEPTH	TEXTURE (USDA)	GRAVEL ANALYSIS (CLASS II & III)	RESTRICTIVE HORIZON	GROUND WATER	COLOR	COMMENTS
0-16	SANDY LOAM	NO	NO	NO	TAN	
16-24	SANDY CLAY	NO	NO	NO	BROWN	
24+	CLAY	NO	YES			

PROFILE DEPTH	TEXTURE (USDA)	GRAVEL ANALYSIS (CLASS II & III)	RESTRICTIVE HORIZON	GROUND WATER	COLOR	COMMENTS
0-16	SANDY LOAM	NO	NO	NO	TAN	
16-24	SANDY CLAY	NO	NO	NO	BROWN	
24+	CLAY	NO	YES			

- Normal textures (USDA): Coarse sand/gravel/sand/loamy sand/sandy loam/loam/ sandy clay loam/sandy clay/clay loam/silty clay loam/silty loam/silt or clay/silty clay
- Normal structures: Massive, Block, Platy

Subsurface horizons with colors of red, yellow, and brown generally indicate good soil aeration and drainage throughout the year. Subsurface horizons that are in colors of gray, olive or blackish colors indicate poor aeration and poor soil drainage. Any soil profile that has the grayish colors indicative of high-water (or mottling) within thirty-six (36) inches of the surface or has ground water visible in the test bore less than forty-eight (48) inches below the ground surface shall be deemed unsuitable for a conventional subsurface disposal due to internal drainage.

X	SOIL TEXTURE	SOIL CLASS	LONG TERM LOADING RATE
	COARSE SAND/GRAVEL	Ia	>.50
	SAND/LOAM SAND	Ib	0.38
	SANDY LOAM/LOAM	II	0.25
	SANDY CLAY/ SANDY CLAY LOAM/CLAY LOAM/SILTY CLAY LOAM/SILT	III	0.20
X	CLAY/SILTY CLAY	IV	0.10

SOIL ANALYSIS	YES	NO
IS THE SOIL SUITABLE FOR A STANDARD SYSTEM		X
INDICATION OF SEASONABLE WATER TABLE DEPTH		X

I, Andrew Ross, a Registered Sanitarian did personally conduct this site evaluation at

31915 WALNUT CREEK, MAGNOLIA

I certify these results are true and correct for the property evaluated.



ANDREW ROSS
DATE: 08-01-2017

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Site Evaluator #OS0027998



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ENGINEERING REPORT FOR ON-SITE WASTEWATER DISPOSAL SYSTEM

CONDITIONS FOR A CLASS I SEWER PLANT WITH SPRINKLER SYSTEM

- > Class I sewer plant will have a chlorinator pump tank to distribute water to sprinkler field.
- > Aerobic tank will treat 500 gal/day of septic.
- > Sprinklers installed will be the pop-up type.
- > Sprinklers will be on a timer.
- > Water will be sprinkled in the early morning hours during the time of least traffic (between midnight and 5am.)
- > Maximum inlet pressure for sprinklers shall be 40 psi.
- > Low angle nozzles of 15 degrees or less shall be used.

DESIGN SPECIFICATION SUMMARY

HOME/BUSINESS OWNER	BOB WEBER	ADDRESS	31915 WALNUT CREEK
STRUCTURE	NEW HOME	FACILITY TYPE	RESIDENTIAL
SOIL TYPE -CLASS	IV - CLAY	LOW FLOW FIXTURES	YES
LIVING AREA	3064	TOTAL SQ FT	4000
BEDROOMS (ACTUAL)	4	BEDROOMS (DESIGN)	4

ABSORPTION AREA

GPD	300	AREA/SPRINKLER HEAD	2827
LOADING FACTOR, GPD/SQ FT	0.045	HEADS TO INSTALL	3
ABSORPTION AREA REQUIRED, SQ FT	6,667	SPRINKLERS X AREA	8,481
SPRAY HEAD RADIUS, FEET	30	PUMPING TIME, MINUTES	15

TANK SIZING

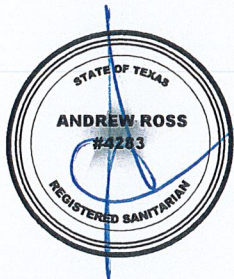
TANK	SIZE (GAL) REQ	SIZE (GAL) TO BE INSTALLED	MODEL NAME & NUMBER
SEPTIC TRAP TANK	500	500	
CLASS I AEROBIC PLANT	500	500	PROFLO500 OR EQUAL
PUMP TANK	750	750	

PUMP TANK REQUIREMENTS

Pressure Drops in System
Elevation Head loss in system feet 4
Friction Head loss in system feet 1.2
Spray head Pressure, psi 25
Spray head pressure, feet 58
Total system head loss, feet 66
Supply+Manifold 1.00 " Sch 40 240

PUMP SELECTION

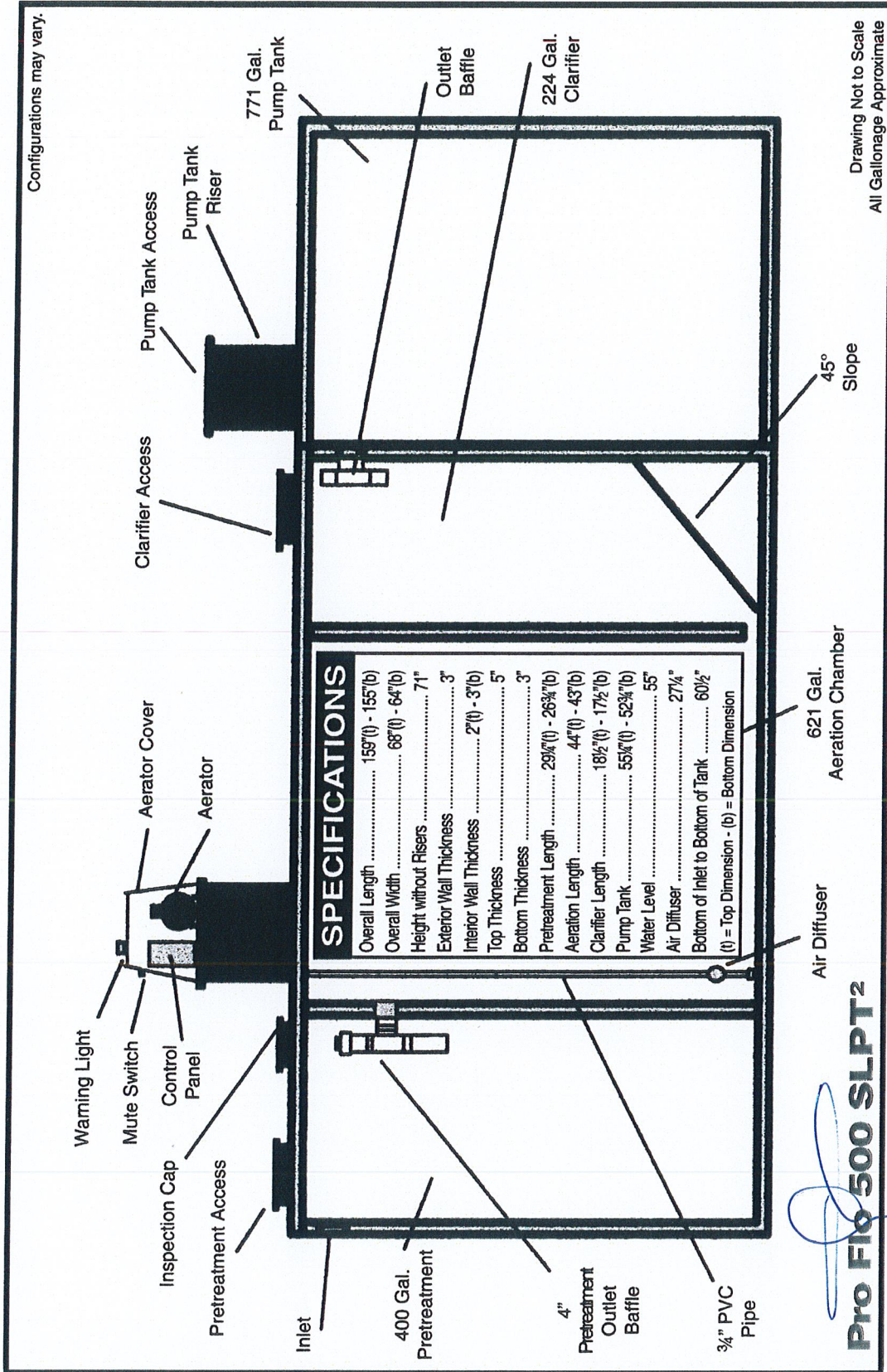
Volume, GPM 20 gal
NPDH, Feet 66
Pressure, psi 29



ANDREW ROSS
DATE: 08-01-2017

Registered Sanitarian #4283
Site Evaluator #OS0027998

Pro Flo 500 SLPT² System Diagram



Affidavit Acknowledging Need to Join Properties

Affidavit must be filed in Real Property Records at the Montgomery County Clerk's Office, and forwarded to Montgomery County Environmental Health Services.

I/we, Mosaic Residential, Inc.
[Owner(s) Name(s)]

am/are the owner(s) of the properties listed below.

As the owner(s), I/we am/are fully aware that the following properties must be permanently joined because the On-Site Sewage System is located on all properties. List and describe all lots to be joined by the legal description of subject properties. If in a recorded subdivision; describe by section, block, and lots. If not in a recorded subdivision; describe by metes and bounds.

Joined Properties			
<u>31915 Walnut Creek Road</u>	<u>Magolia</u>	<u>TX</u>	<u>77355</u>
(Street Address)	(City)	(State)	(Zip Code)
Subdivision: _____			
Section: _____ Block: _____ Lots: _____			
For properties described by metes and bounds: Attach a copy of the metes and bounds description for each lot, and check box <input type="checkbox"/>			

I/we, Mosaic Residential, Inc.
[Owner(s) Name(s)]

fully understand that the properties listed above must be sold as a single property. Under no circumstances will these properties be sold separately without the permission of the Montgomery County Environmental Health Services.

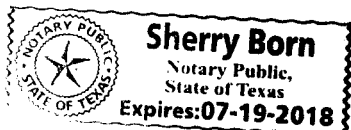
WITNESS BY HAND ON THIS 2nd DAY OF August, 2017.

Robert M. Weber, CEO

Robert M. Weber (Affiant's Signature)

SWORN AND SUBSCRIBED BEFORE ME on this 2nd DAY OF August,

2017, by Sherry Born (Affiant).



Sherry Born
Notary Public, State of Texas