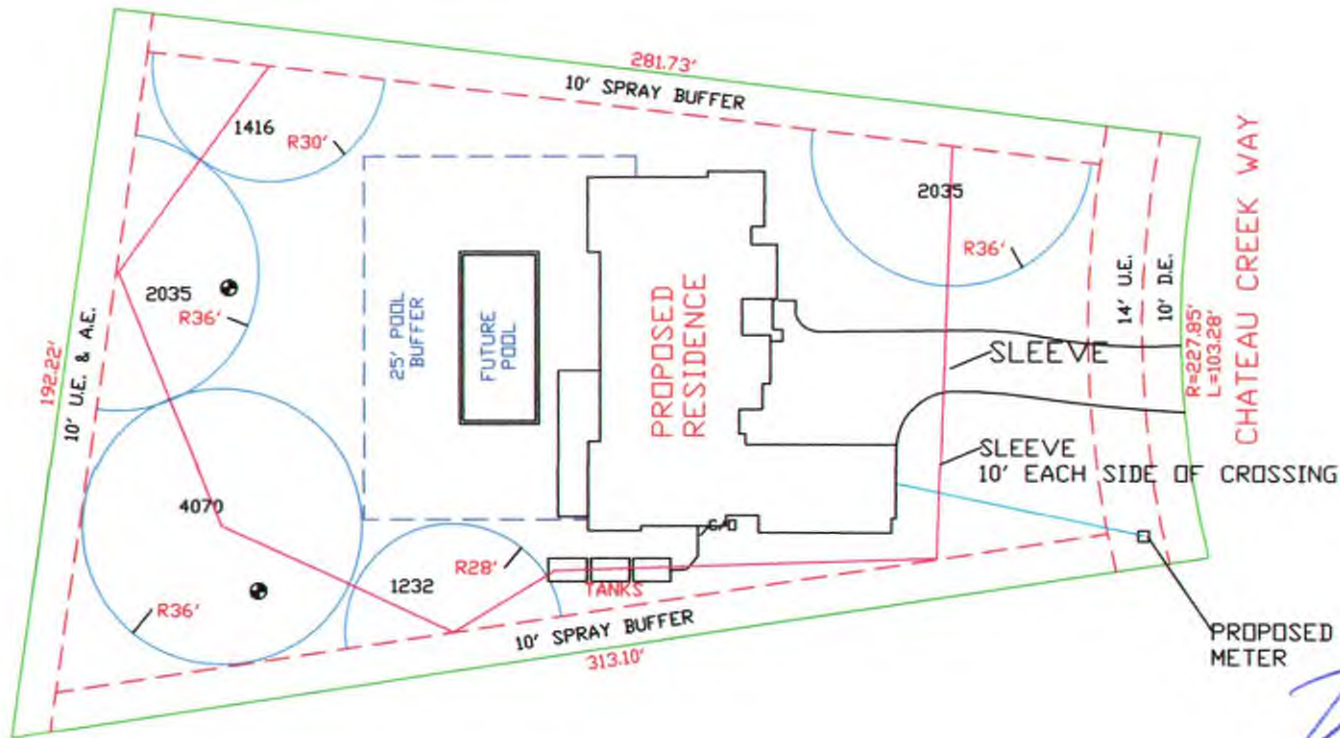


SLOPE PATTERN = FLAT



PROPOSED WATER METER

*[Signature]*  
 LICENSED PROFESSIONAL SANITARIAN



**CALCULATION SUMMARY:**

TOTAL NUMBER OF BEDROOMS: 5 ( UNDER 5,500 SQ. FT. )  
 Q = 420 G.P.D. ( 525 G.P.D. MINUS 20% FOR USE OF L.F.F. )  
 APPLICATION RATE: 0.041 gal./sq.ft./DAY  
 TOTAL SPRAY AREA REQUIRED = 10,244 sq.ft.  
 TOTAL SPRAY AREA DESIGNED = 10,788 sq.ft.  
 INSTALL 5 PURPLE TOP SPRAY HEADS WITH APPROPRIATE LOW ANGLE NOZZLES  
 HEADS SHALL NOT EXCEED 40 p.s.i. WITH INSTALLED NOZZLES TO SPRAY AS DESIGNED  
 SPRINKLER TIMER SHALL BE SET TO SPRAY BETWEEN MIDNIGHT AND 5:00 A.M.  
 INSTALL A 0.5 h.p. PRO FLD SUBMERSIBLE PUMP ( OR EQUIV. )  
 DESIGN BASED ON FINDINGS BY SITE EVALUATOR

**LEGEND:**

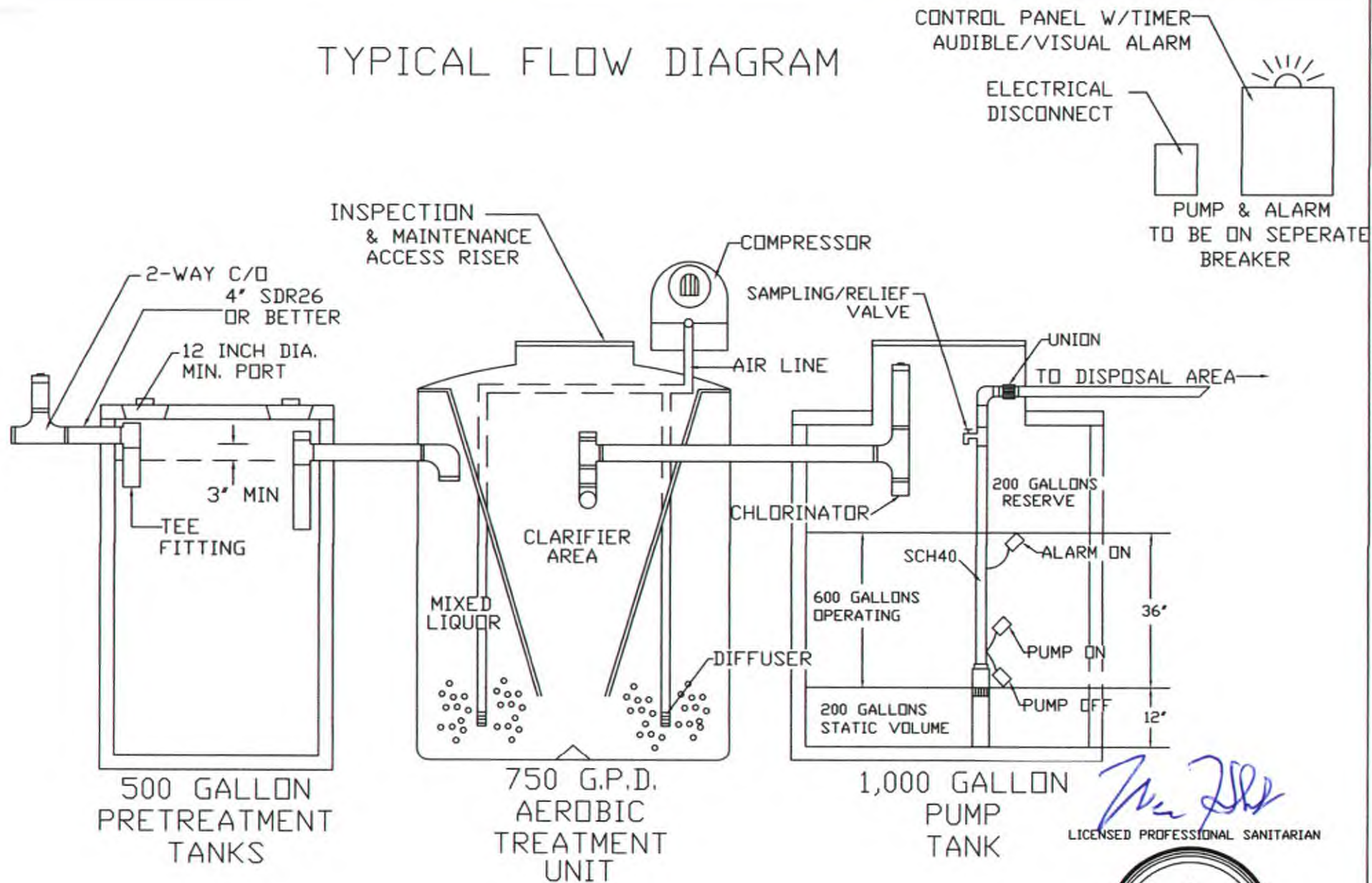
TANKS = 500 gal. PRETREATMENT TANK  
 750 G.P.D. AEROBIC TREATMENT UNIT  
 1000 gal. PUMP TANK w/ CHLORINATOR  
 C/O = 2 WAY CLEAN-OUTS AT ALL STUB-OUTS FROM HOUSE  
 1 WAY CLEAN-OUTS EVERY 100' AND AT EVERY 90' TURN IN DIRECTION  
 --'r = RADIAL DISTANCE INDICATED ABOVE  
 ⊙ = BORE HOLE SITE



[Sterlingseptic57@gmail.com](mailto:Sterlingseptic57@gmail.com)

NAME: RESIDENCE	SURVEY: N/A	DESIGNER: Wes Hubert
ADDRESS: 4426 CHATEAU CREEK WAY	ABSTRACT: N/A	PHONE #: (936) 597-5558
CITY, STATE, ZIP: SPRING, TX. 77386	LOT: 48	FAX #: (936) 597-8332
SUBDIVISION: BENDERS LANDING ESTATES	BLOCK: 4	DATE: 03-02-2023
COUNTY: MONTGOMERY	SECTION: 2	SCALE: 1" = 50'

# TYPICAL FLOW DIAGRAM



ACCESS RISERS REQUIRED  
IF TANK PORTS ARE 12" OR  
MORE BELOW FINISHED GRADE

INSTALLER'S RESPONSIBILITY TO SET FLOATS  
IN PUMP TANK TO ACHIEVE PROPER OPERATING RANGES

SCALE N.T.S.

TYPICAL FLOW DIAGRAM  
STERLING ENVIRONMENTAL



## Spray General Notes

This system is designed to operate on the principle of simulated continuous flow below the rated daily flow capacity of the treatment system. It is the owners responsibility to read, review and share with all occupants the information provided by the installer and the maintenance operator as required by the Texas Administrative Code Chapter 285.39. The owner is to immediately inform the maintenance operator of any real or potential increases or adjustments in water usage in the home that may change or increase the system use. If such a change requires system modification or expansion, the owner is responsible for obtaining the required redesign and permits.

- There shall be no A/C condensation or drains from hot tubs or jacuzzis to enter this septic system.
  - Minimize the use of bathtubs or garden tubs and reduce the amount of water when doing so. If a garden tub or large tubs are used, the owner must utilize choke (stall) drain covers or have a plumbing contractor install an accessible manual drain line valve box so that drain time may be lengthened
  - Do not use chlorine pucks, hanging toilet bowl fresheners or blue water disinfectants in the toilet tank. Regular toilet cleaning is OK.
  - Minimize the use of disinfectant soaps.
  - Fix leaky plumbing immediately
  - Do not use any septic additives.
- 
- Spread the laundry out through the week.
  - Spray area is to be graded to prevent ponding or pooling of rainwater.
  - Roofrainwater shall be diverted away from the spray fields
  - The spray field shall be completely sodded with St. Augustine grass or other high uptake grasses. Areas subject to dormant or dying vegetation during the winter months shall be over-seeded with winter rye or other cold tolerant grasses prior to system start up.
  - Water conservation methods shall be used with this septic system.
  - Garbage disposals shall not be used in conjunction with any on-site sewerage facility.
  - Grease, cigarette butts, personal hygiene products and other trash shall not be disposed of in the septic system.
- 
- **Water softeners may be discharged through this septic system but must be plumbed separately and must enter the septic system at the pump tank ONLY for dispersal. Due to the salt content of this effluent, use of these systems negates any warranty for the pump and/or pump tank. This designer/installer WILL NOT be responsible for any damages, direct or incidental, to ANY landscaping and/or native plants/grasses.**
  - Pressure control /sample valve shall be installed and directed downward inside the pump tank to control pressure, provide agitation and help prevent extreme septic conditions inside the tank.
  - Insure that all lids, seams, risers, inlets, outlets and inspection ports are adequately sealed to prevent water infiltration

  
 LICENSED PROFESSIONAL SANITARIAN



Sterlingenvironmental@consolidated.net

	DESIGNER: Wes Hubert
	PHONE #: (936) 597-5558
	FAX #: (936) 597-8332

SITE EVALUATION FORM

Job Number \_\_\_\_\_

DATE: 03-02-23

HOME/ BUSINESS OWNER \_\_\_\_\_

SUBDIVISION: Benders Landing Estates SECTION 2 LOT 48 BLOCK 4

SURVEY: N/A ABSTRACT N/A

STREET ADDRESS 4426 Chateau Creek Way, Spring TX 77386

ACREAGE / SQUARE FOOTAGE OF LOT: \_\_\_\_\_

TOPOGRAPHY

SLOPE

- FLAT (0-5%)
- SLIGHT (6-15%)
- MODERATE (16-29%)
- SEVERE (OVER 30%)

VEGETATION

- GRASSY
- GRASS/BRUSH
- LIGHTLY WOODED
- HEAVILY WOODED%

SITE DRAINAGE:

- POOR
- ADEQUATE
- GOOD
- OTHER

FLOOD HAZARD

NOTE: IF ANY OF THE PROPERTY LIES WITHIN FLOOD HAZARD IT MUST BE SHOWN ON THE SPTIC DESIGN

WATER SUPPLY

- COMMUNITY
- PUBLIC
- PRIVATE

NOTE: IF ANY NEIGHBORING WELLS EXIST, THEY MUST BE SHOWN ON THE DESIGN

TYPE OF FACILITY

- RESIDENTIAL
- COMMERCIAL

ESTIMATED WATER USAGE 420 G.P.D



[Signature]  
SIGNATURE

03-02-23  
DATE

## SOIL (DEPTH) ANALYSIS

### BORE HOLE #1

PROFILE DEPTH	TEXTURE (USDA)	COLOR	RESTRICTIVE HORIZON	GROUNDWATER INDICATION	GRAVEL ANALYSIS %
0" - 28"	<u>II</u>	Brown	None	@ 0"	None
28" - 40"	<u>III</u>				

NOTE: BORES SHALL BE EXCAVATED TO THE DEPTH OF TWO FEET BELOW THE PROPOSED EXCAVATION OR TO A RESTRICTIVE HORIZON, WHICHEVER IS LESS.

### BORE HOLE #2

PROFILE DEPTH	TEXTURE (USDA)	COLOR	RESTRICTIVE HORIZON	GROUNDWATER INDICATION	GRAVEL ANALYSIS %

Same As Above

NOTE: STANDARD SUBSURFACE SYSTEMS IN CLASS II OR III SOILS CONTAINING GRAVEL SHALL BE FURTHER EVALUATED BY USING A SIEVE ANALYSIS TO DETERMINE THE PERCENTAGE OF GRAVEL BY VOLUME AND SIZE.

  
 SIGNATURE



03-02-23  
 DATE

## SOIL (TEXTURE) ANALYSIS

✓	SOIL TEXTURE	SOIL CLASS	RATE of APPLICATION
	COURSE SAND, GRAVEL	Ia	>0.50
	SANDY LOAM, SAND	Ib	0.38
	SANDY LOAM, LOAM	II	0.25
✓	SILT LOAM, SILT SILTY CLAY LOAM, CLAY LOAM SANDY CLAY LOAM, SANDY CLAY	III	0.20
	SILTY CLAY, CLAY	IV	0.10

● Subsurface horizons with colors of red, yellow and brown generally indicate good soil aeration and drainage throughout 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 tables (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 conventional subsurface disposal due to internal drainage.

IS SOIL SUITABLE FOR A CONVENTIONAL SYSTEM:       YES       NO  
 INDICATION OF SEASONAL WATER TABLE:       YES       NO

IF YES, THEN AT WHAT DEPTH 0 "

NOTE: If soil has an application rate of .5 gpdf or less than .1 gpdf or a high seasonal water table, then conventional systems are prohibited. A class III soil is suitable, but not recommended for conventionals.

I, Chris Weaver, A REGISTERED Site Evaluator DID PERSONALLY  
 CONDUCT THE SITE EVALUATION AT \_\_\_\_\_  
4426 Chateau Creek Way Spring TX 77386  
 ADDRESS/LEGAL DESCRIPTION

I CERTIFY THAT THESE RESULTS ARE TRUE AND CORRECT FOR THIS PROPERTY

  
 SIGNATURE

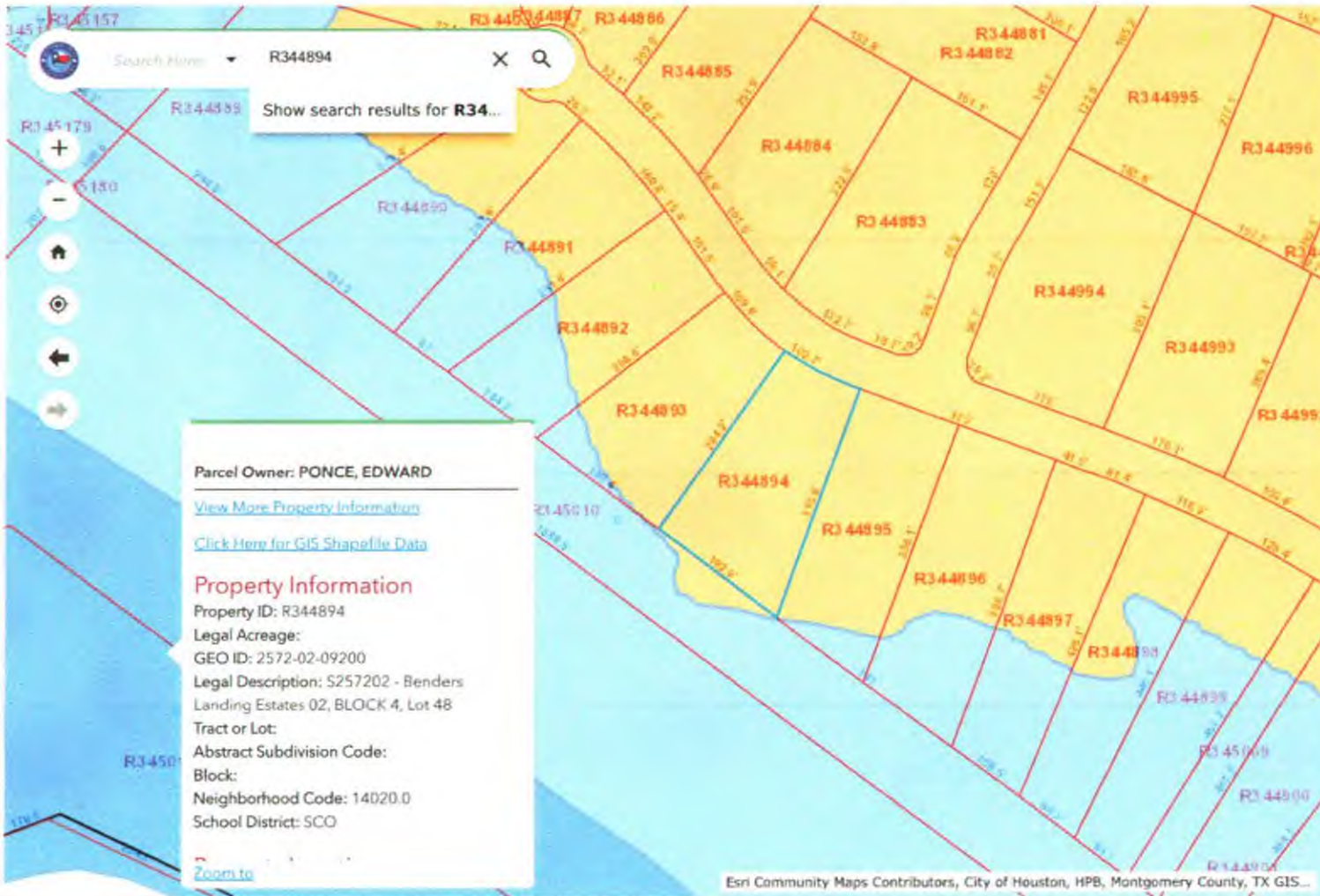


03-02-23  
 DATE

**MONTGOMERY COUNTY  
ON-SITE SEWER FACILITY CHECKLIST**

The following information must be included with all design packages, soil analysis, and site evaluation for review by Montgomery County Health Services (Environmental Division) and/or Texas Commission on Environmental Quality. Failure to include or address all of the following items may result in **approval delays**. Fill in all blanks that are applicable to your package requirements.

- /   1. Planning materials for proposed OSSF **must** bear an **appropriate seal, date, and signature on each page**.
- /   2. Planning materials submitted must contain the following information:
- /   A. Site evaluation
  - /   B. Soil analysis (texture and depth)
  - /   C. Septic design
  - /   D. System flow diagram and sizing calculations
  - /   E. Landscape plan
  - /   F. Disclaimer
  - /   G. Affidavit to the Public (with use of aerobic treatment)
  - /   H. Two-Year Initial Service Policy (with use of aerobic treatment)
- /   3. Construction drawings (septic design) must include the following information;
- /   A. A **scaled**, legible site plan with boundary description and direction bearing **North**
  - /   B. The location of all buildings and improvements (existing and proposed) on the site plan
  - /   C. The location of the wastewater treatment units and disposal area
  - /   N/A D. Buffer zones and water wells must be identified and located on the site plan
  - /   E. Easements and bodies of water (lakes, streams, ponds) must be identified
  - /   F. Installation details such as septic tank configuration, layouts and cross-sections of drain fields and disposal beds, irrigation systems, pump stations, piping and controls, material specifications and illustrations
- /   4. Three (3) sets of each item **must** be submitted, ONE (1) original and TWO (2) copies.
- /   5. System permitted for   420   G.P.D.
- /   6. Type of system to be installed:
- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> surface application | <input type="checkbox"/> standard pvc     | <input type="checkbox"/> low pressure dosage |
| <input type="checkbox"/> gravelless pipe                | <input type="checkbox"/> leaching chamber | <input type="checkbox"/> drip emitter        |
| <input type="checkbox"/> multi-pipe                     | <input type="checkbox"/> e-z flow         | <input type="checkbox"/> other _____         |



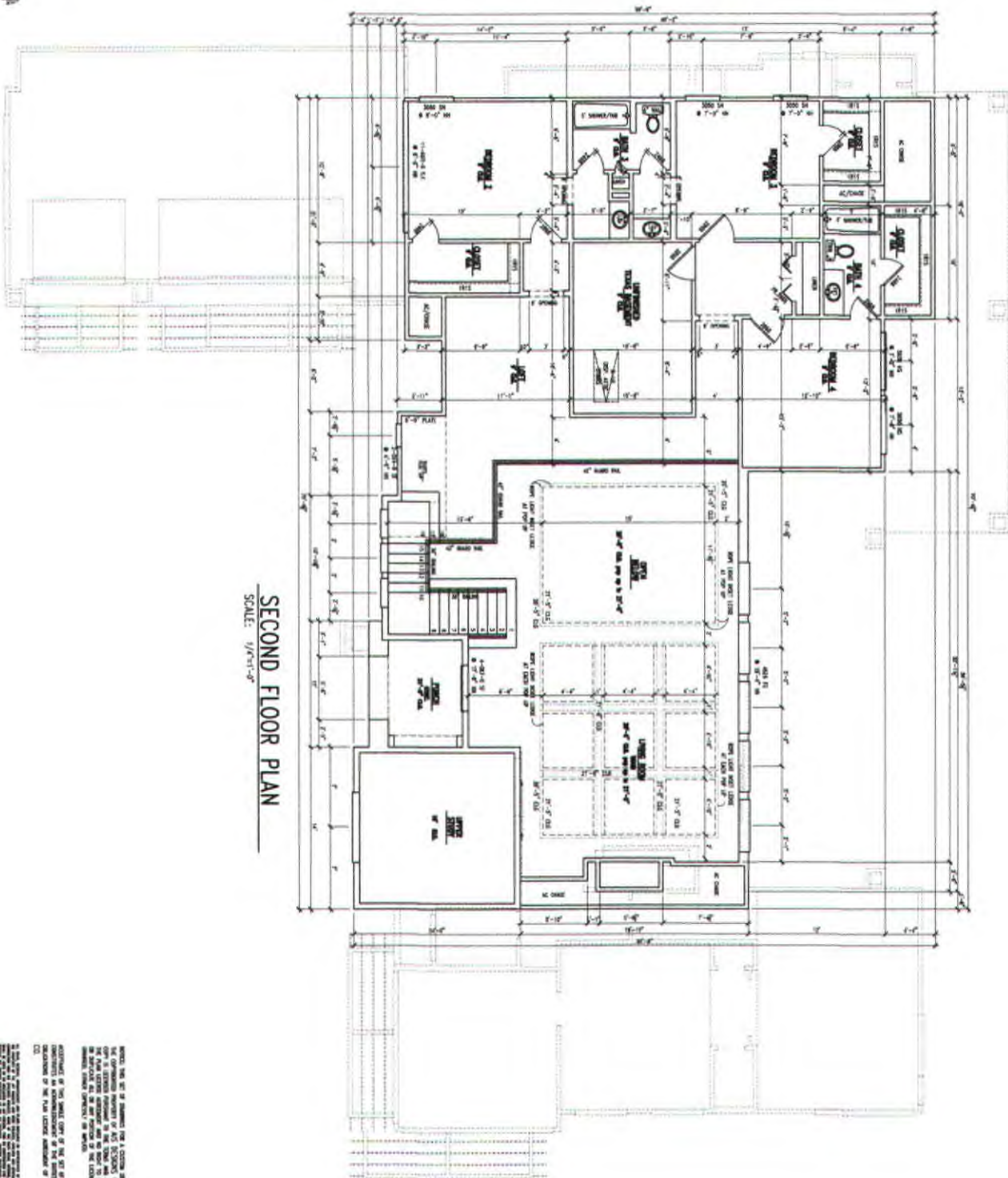
0 100 200ft







2025 RELEASE UNDER E.O. 14176



SECOND FLOOR PLAN  
SCALE: 1/8"=1'-0"

NOTES: THIS SET OF DRAWINGS IS FOR THE SECOND FLOOR PLAN ONLY. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS OF THE EXISTING STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ENVIRONMENT AND THE WELL-BEING OF THE WORKERS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ADJACENT PROPERTIES AND THE PUBLIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE HISTORIC STRUCTURES AND THE CULTURAL HERITAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE ARCHITECTURAL AND ARTISTIC VALUES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE SCULPTURAL AND MONUMENTAL VALUES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PAINT AND FINISHES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE GLASS AND MIRROR SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE METAL AND WOOD SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE CERAMIC AND STONE SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FABRIC AND LEATHER SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PAPER AND CARDBOARD SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PLASTIC AND VINYL SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE RUBBER AND GLASS SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE METAL AND WOOD SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE CERAMIC AND STONE SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE FABRIC AND LEATHER SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PAPER AND CARDBOARD SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PLASTIC AND VINYL SURFACES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE RUBBER AND GLASS SURFACES.



NO.	DATE	DESCRIPTION
1	10/15/20	ISSUED FOR PERMIT
2	10/20/20	ISSUED FOR CONSTRUCTION
3	11/01/20	ISSUED FOR OCCUPANCY
4	11/15/20	ISSUED FOR AS-BUILT
5	12/01/20	ISSUED FOR FINAL
6	12/15/20	ISSUED FOR ARCHIVE
7	01/01/21	ISSUED FOR REVIEW
8	01/15/21	ISSUED FOR APPROVAL
9	02/01/21	ISSUED FOR RECORD
10	02/15/21	ISSUED FOR CLOSURE
11	03/01/21	ISSUED FOR DESTRUCTION
12	03/15/21	ISSUED FOR REMOVAL
13	04/01/21	ISSUED FOR REPAIR
14	04/15/21	ISSUED FOR RESTORATION
15	05/01/21	ISSUED FOR RECONSTRUCTION
16	05/15/21	ISSUED FOR REPAIR
17	06/01/21	ISSUED FOR RESTORATION
18	06/15/21	ISSUED FOR RECONSTRUCTION
19	07/01/21	ISSUED FOR REPAIR
20	07/15/21	ISSUED FOR RESTORATION
21	08/01/21	ISSUED FOR RECONSTRUCTION
22	08/15/21	ISSUED FOR REPAIR
23	09/01/21	ISSUED FOR RESTORATION
24	09/15/21	ISSUED FOR RECONSTRUCTION
25	10/01/21	ISSUED FOR REPAIR
26	10/15/21	ISSUED FOR RESTORATION
27	11/01/21	ISSUED FOR RECONSTRUCTION
28	11/15/21	ISSUED FOR REPAIR
29	12/01/21	ISSUED FOR RESTORATION
30	12/15/21	ISSUED FOR RECONSTRUCTION

**AIS Designs co**  
"Designed for your Lifestyle"

2901 WEST SAM HOUSTON PKWY N  
SUITE C 250  
HOUSTON TX 77043

SHANT RESIDENCE  
4426 CHATEAU CREEK WAY  
SPRING TEXAS 77386  
BENDERS LANDING ESTATES