



emailed
12/15/22

Dwayn Boos
On-Site Sewage Facilities
101 W. Main St
Fredericksburg, TX 78624

NOTICE OF APPROVAL

Carl Wideman
PO Box 75
Camp Wood, Tx 78833

PERMIT #8934

Property Location: 21789 Ranch Road 2093. Fredericksburg, Tx

GILLESPIE COUNTY, TEXAS

This serves to notify all persons that the on-site sewage facility owned by the above has satisfied design, construction, and installation requirements of the Texas Commission on Environmental Quality (TCEQ) and Gillespie County. This Gillespie County On-Site Sewage Facility Permit is issued for the operation of the above-identified on-site sewage facility.

ANY MODIFICATIONS TO THE STRUCTURE, SYSTEM COMPONENTS, OR CHANGES OF OWNERSHIP MAY REQUIRE A NEW PERMIT. The owner must notify this office of the aforementioned changes.

Addition:

240 GPD = WP TO 3 BR, < 2500 SQ FT LIVING AREA

Inspector and Gillespie County Designated Representatives:

Dwayn C Boos OS0011257

Linda A. Page
Linda A Page OS0036695

Date: 12 Dec 2022



GILLESPIE COUNTY

Permit Application for On-Site Sewage Facility

(Permit application is good for 1 year from purchase date.)

Permit # 8934 Date: Sept. 13, 22 Fee: \$275.-

Reason For Permit (Circle one): New Construction System Replacement System Repair

Name of Landowner: Wideman Carl F
(Last Name or Entity) (First Name) (MI)

Mailing Address: P.O. Box 75 Campwood, TX 78833
(House # and Street Name/or PO Box) (City & State) (Zip Code)

Daytime Phone Number(s): 210-275-1060 Cell Number(s): same

***Email Mandatory cfwideman@swtexas.net

Physical Address/Location of new Septic System: 21789 R.R. 2093
(House # & Street Name)

Harper Texas 78631 *** GATE CODE: N/A
(City & State) (Zip Code)

Legal Description: Volume: 61 Page: 427 Instrument#: _____ Gillespie CAD Tax ID #: R _____

Subdivision Name: 21789 R.R. 2093 Lot#: _____ Blk _____ Phase _____ Tract 3

Abstract: 273 Survey Name and #: William Haley #220

Total Acreage: 20.05 Private Well Public Well (Supplier's Name): _____

Name & License # of person installing the Septic System: Allen Tatsch OS# 0021088

Email: catatsch@gmail.com Cell #: 830-739-7070

Information on a Single Family Residence: House Mobile Home Manufactured

Total Square Footage of Living Area: <1500 <2500 <3500 <4500 or _____

of bedrooms 3, # of bathrooms (Full) 2 (Half) 1. Does it have or will it have water saving devices such as low flush toilets, reduced flow shower heads or faucets, pressure reducing valves and/or faucet aerators or N Water Softener: (Demand Initiated Regeneration) Y or N

Is the water softener plumbed separate from the OSSF: Y or N

Information on a Non-Single Family Residence or Commercial/Institutional Facility (including Multi-Family residences) Describe usage: _____

N/A

I certify that the above statements are true and correct to the best of my knowledge. Authorization is hereby given to Gillespie County OSSF Department to enter upon the above described property for the purpose of soil/site evaluation and investigation of an on-site sewage facility.

Carl Wideman
(Signature of Landowner)

7-25-22
(Date)

Office Use Only:

Daily wastewater usage rate: Q= 240 (gallons/day) Q: 240 GPD = W TO 3 BR, 2,500 SQ FT

Site Evaluation

Planning Materials submitted by: Installer P.E. R.S.

Development Plans required for Subdivisions, Manufactured Housing Communities, Multi-Unit Residential Development, Business Parks, or other similar uses (i.e. B&B Rental, R.V. Park)

Floodplain and/or Development Permit # 2549-22

For Aerobic Treatment units and non-standard treatment (if applicable):

Affidavit to the Public

Two-year Maintenance Contract

AUTHORIZATION to CONSTRUCT

DR: Jim A. Page DATE: 23 Sept 22

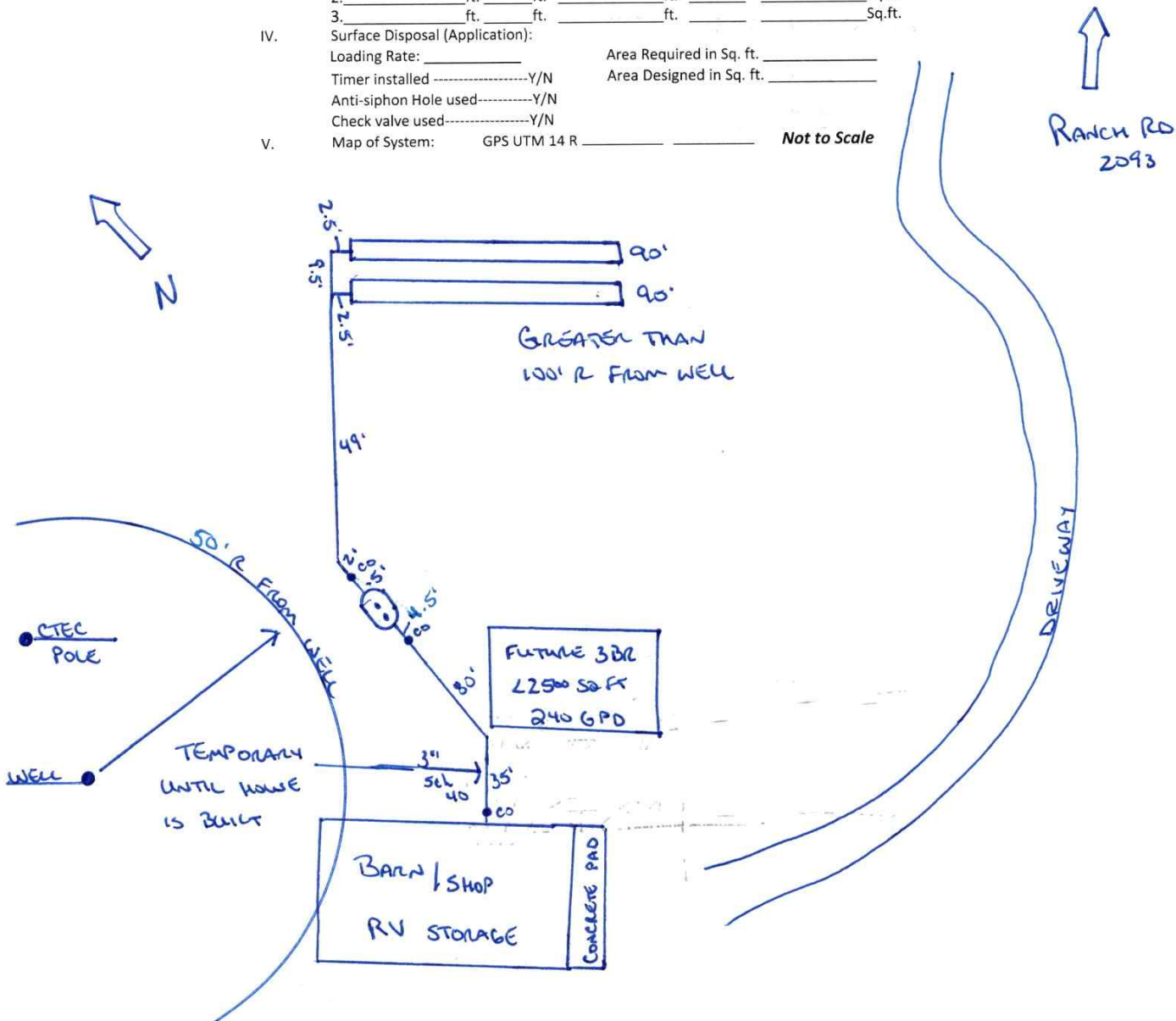
9/23/22 LNO

Certification of Approval

Final Inspection PERMIT # 8934

Date: 12 Dec 22 Approved by: Judi A. Pop

- I. Sewer (House Drain) 3" Sch 40 4" Sch 40 Other: _____
 Slope of sewer pipe to tank minimum of 1/8"/ft.
 Cleanouts every <100' and within 5' of 90° bends
- II. Treatment: Conventional Tanks Aerobic Other: _____
 TANKS SIZE AND COMPARTMENTS SERIAL# RISERS MANUFACTURER
 1. 1000 2c 1027220 Y/N Backman
 2. _____ Y/N _____
 3. _____ Y/N _____
 4. _____ Y/N _____
- III. Disposal Field: Conventional Gravel Leaching Chambers (Brand) ACE 30 (5' Panels)
 Low-Pressure Pipe Mounds Gravel-Less Pipe Pressure Emitters (drip)
 ET Beds Other: _____
 Subsurface Disposal: SQUARE FEET
 LENGTH OF TRENCH WIDTH HEIGHT OF MEDIA CREDIT AREA LENGTH X CREDIT
 1. 120 ft. 3 ft. 1 ft. 5 900 Sq.ft.
 2. _____ ft. _____ ft. _____ ft. _____ Sq.ft.
 3. _____ ft. _____ ft. _____ ft. _____ Sq.ft.
- IV. Surface Disposal (Application):
 Loading Rate: _____ Area Required in Sq. ft. _____
 Timer installed _____ Y/N Area Designed in Sq. ft. _____
 Anti-siphon Hole used _____ Y/N
 Check valve used _____ Y/N
- V. Map of System: GPS UTM 14 R _____ **Not to Scale**



SITE EVALUATION
FOR THE INSTALLATION OF AN ON-SITE SEWAGE FACILITY (OSSF)

OWNER: Carl Wideman

Gillespie # _____

Mailing Address:

PROPERTY DESCRIPTION:

Gillespie County

Physical Location & Description of property: 21789 RM 2093; tivydale rd, Harper (Tract 3); Harper, TX 78631 20.05 acre tract. Pedernales River & Flood zone "A" runs north/south in the southwest portion of tract 3

No current improvements except utility easements noted below.

Septic to serve a new residence, 3BR <2500 sf home (staked -out). 2% Slope direction: north to south in OSSF area (contour east-west).

Soils analysis: PROFILE 1 -northwest _____ %

Depth (inches)	TCEQ Class #	Textural Analysis Texture	Color	Structure	>2mm Gravel %
0 - 48"	3	clay loam	light brown	blocky	>30%

Unsuitable soil due to gravel content

PROFILE 2 - southeast

Depth (inches)	TCEQ Class #	Textural Analysis Texture	Color	Structure	Gravel %
0 - 48"	3	clay loam	brown	blocky	<30%

48" extent of profile -impenetrable

LIMITATIONS & CONSIDERATIONS:

- Soil: suitable horizons to 48" deep, 2. Restrictive Horizons - 48" impenetrable soil
- Slope: 2% north/south 4. property line setbacks: >50 ft. possible 5. No Evidence of Seasonal saturation/groundwater . 6. Private well planned, but location not established.
- utility easements - 1) 50 ft wide gas line across northern third of property, 2) possible abandoned gas line easement of unspecified width located just south of proposed OSSF, and 3) an overhead electric transmission line running north/south and is west of proposed OSSF.
- Septic to serve 3BR, <2500 sf home. attached sketch of property.
- OSSF setbacks of concern; flood zone "A" 10. surface water: Pedernales River >300ft to south. 11. FEMA FHA "Zone X" in area of OSSF

Recommendation: OSSF recommended = Standard treatment w/leaching chamber disposal.

Signature of Site Evaluator: RC Wiedenfeld Date: 8/30/22

RCWiedenfeld, OS0011814

DbA WIEDENFELD WATER & WASTEWATER CONSULTING
(133 Cook Lane-E) CENTER POINT, TX 78010
MOBILE 830-739-5050 E-MAIL: rcwiede@gmail.com

OSSF DESIGN & SPECIFICATIONS
240 gpd Standard Treatment & Leaching Chamber Disposal

Owner(s): Carl Wideman

Gillespie #

Location: 21789 RM 2093; (Lot 3 – Harper Road Estates; Harper, TX 78631

Wasteload: 240 gpd from new 3 BR, <2500sf home

Tank(s): One (1) new 1000gal gallon-2 compart. (Buchanan's) precast-concrete tank, approved by TCEQ. tank to be set level atop rock-free class III soil or sand material. Backfill tank with same after County inspection. Placement of tank to encounter impenetrable horizon.

Mechanically sealed Riser & lid on tank's access port is standard appurtenance provided backfill doesn't exceed 12" over tank. Ensure interior plumbing properly installed, downturns on inlet/outlet sanitary tees with 14" downturns.

Disposal type: Proprietary (leaching chambers) drainfield: area $(Q/Ra) 240/.2 = 1200$ sq. ft.

: trench dimensions: $(L) = (.75 A)/W+2$ or $L = (0.75 \times 1200)/3 + 2 = 180$ ft

Trench depth = min. 18" – max 24"). Place drainfield equidistant over soil profile #2, since SP#1 contains excessive gravels.

: Leaching Chambers: Either Biodiffuser Arc 36 brand = 36 panels being 5' L x 3' wide x 1' tall. place chambers end-to-end along contours in three (3) trenches @ 3'W x 60 LF for a total of 180 ft long Or Infiltrator Quik-Four Plus = 45) being 4'L x 3'W x 1'tall; three trenches, 3 @60ft long. see location on attached drawing. Connect rows of chambers at one end with 3" or 4" PVC pipe through upper ports on end-piece, since trenches to be differing elevations.

: Backfill trenches and entire drainfield with excavated, screened, rock-free Class 3 soils. Soil erosion and upslope stormflow to be controlled by mounding excess soils over drainfield & re-establish grasses.

: piping from tank to drainfield; approx length = 50 ft ; 3" Sch 40 Pipe, buried, with continuous (& >12") fall, measured from tank outlet to trench bottom. Enter nearest chamber. Trench placed level along contour, with trenches on slightly differing elevation.

Additional conditions: see attached drawing

- 1) graywater, which includes effluent from water softener (demand-initiated-backwash type only) is included in this OSSF. If water softener ever present, plumb after second chamber of tank.
- 2) 3 or 4" Schedule 40 piping installed from house stub to inlet of tank (approx. 35 ft) with a 2-way cleanout. This piping to have minimum of 1/8" fall per 12" run,
- 3) backfill chambers and entire drainfield area with $\geq 6"$ of previously excavated, rock-free Class 3 soil
- 4) Owner/Installer to contact this designer prior to any cover-up, and if conditions are encountered during installation that differs from this design or the Standards;
- 5) Installer: Allen Tatsch
- 6) Separation Distances (min): septic tank(s) >5 ft. from house slab; drainfield >11 ft. separation OSSF to property lines, 10 ft from buried water lines or sleeve sewer pipe to 10 ft either side of water line or install 20ft joint pipe equidistant from crossing. (or reroute water line).
- 7) Place OSSF in Flood Zone "X".
- 8) Easements: 1 ft setback, see attached drawing

Design submitted by: RC Wiedenfeld
RC Wiedenfeld, RS, # 1927

Date: 8/30/22

Dbw Wiedenfeld W & W Consulting, 133 Cook Lane, Center Point, TX 78010
To the best of my knowledge, this design complies with 30 TAC Chapter 285, On-Site Sewage Facilities, 29 Dec. 2016 & Gillespie #



CARL WIDEMAN
21789 RM 2093
HARPER, TX 73631

DSSF PLANS

2406PD STANDARD W/CHAMBERS

