



TEXAS ASSOCIATION OF REALTORS® SELLER'S DISCLOSURE NOTICE

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Section 5.008, Property Code requires a seller of residential property of not more than one dwelling unit to deliver a Seller's Disclosure Notice to a buyer on or before the effective date of a contract. **This form complies with and contains additional disclosures which exceed the minimum disclosures required by the Code.**

84 Lois Kay St.
Harper, TX 78631

CONCERNING THE PROPERTY AT _____

THIS NOTICE IS A DISCLOSURE OF SELLER'S KNOWLEDGE OF THE CONDITION OF THE PROPERTY AS OF THE DATE SIGNED BY SELLER AND IS NOT A SUBSTITUTE FOR ANY INSPECTIONS OR WARRANTIES THE BUYER MAY WISH TO OBTAIN. IT IS NOT A WARRANTY OF ANY KIND BY SELLER, SELLER'S AGENTS, OR ANY OTHER AGENT.

Seller ☒ is ☐ is not occupying the Property. If unoccupied (by Seller), how long since Seller has occupied the Property?
☐ _____ or ☐ never occupied the Property

Section 1. The Property has the items marked below: (Mark Yes (Y), No (N), or Unknown (U).)

This notice does not establish the items to be conveyed. The contract will determine which items will & will not convey.

Item	Y	N	U
Cable TV Wiring	☒		
Carbon Monoxide Det.		☒	
Ceiling Fans	☒		
Cooktop		☒	
Dishwasher	☒		
Disposal		☒	
Emergency Escape Ladder(s)		☒	
Exhaust Fans	☒		
Fences	☒		
Fire Detection Equip.	☒		
French Drain			☒
Gas Fixtures	☒	☒	☒
Natural Gas Lines	☒	☒	☒

Item	Y	N	U
Liquid Propane Gas:	☒	☒	☒
-LP Community (Captive)	☒	☒	☒
-LP on Property		☒	
Hot Tub		☒	
Intercom System		☒	
Microwave		☒	
Outdoor Grill		☒	
Patio/Decking	☒		
Plumbing System	☒		
Pool	☒		
Pool Equipment	☒		
Pool Maint. Accessories	☒		
Pool Heater		☒	

Item	Y	N	U
Pump: ☐ sump ☐ grinder	☒		
Rain Gutters	☒		
Range/Stove	☒		
Roof/Attic Vents	☒		
Sauna		☒	
Smoke Detector	☒		
Smoke Detector - Hearing Impaired		☒	
Spa		☒	
Trash Compactor		☒	
TV Antenna		☒	
Washer/Dryer Hookup	☒		
Window Screens	☒		
Public Sewer System		☒	

Item	Y	N	U	Additional Information
Central A/C	☒			☒ electric ☐ gas number of units: <u>1</u>
Evaporative Coolers		☒		number of units: _____
Wall/Window AC Units		☒		number of units: _____
Attic Fan(s)			☒	if yes, describe: _____
Central Heat	☒			☒ electric ☐ gas number of units: <u>1</u>
Other Heat		☒		if yes, describe: _____
Oven	☒	☒		number of ovens: <u>3</u> ☒ electric ☐ gas ☐ other: _____
Fireplace & Chimney		☒		☐ wood ☐ gas logs ☐ mock ☐ other: _____
Carport	☒			☒ attached ☐ not attached
Garage		☒		☐ attached ☐ not attached
Garage Door Openers		☒		number of units: _____ number of remotes: _____
Satellite Dish & Controls		☒		☐ owned ☐ leased from _____
Security System		☒		☐ owned ☐ leased from _____
Water Heater	☒			☒ electric ☐ gas ☐ other: _____ number of units: <u>1</u>
Water Softener		☒		☐ owned ☐ leased from _____
Underground Lawn Sprinkler		☒		☐ automatic ☐ manual areas covered: _____
Septic / On-Site Sewer Facility	☒			if yes, attach Information About On-Site Sewer Facility (TAR-1407)

(TAR-1406) 9-01-11

Initialed by: Seller: LR, RR and Buyer: _____, _____

Page 1 of 5

84 Lois Kay St.
Harper, TX 78631

Concerning the Property at _____

Water supply provided by: ☐ city ☐ well ☐ MUD ☐ co-op ☐ unknown ☒ other: Agua Texas

Was the Property built before 1978? ☐ yes ☒ no ☐ unknown

(If yes, complete, sign, and attach TAR-1906 concerning lead-based paint hazards).

Roof Type: composition Age: 2013 (approximate)

Is there an overlay roof covering on the Property (shingles or roof covering placed over existing shingles or roof covering)?

☐ yes ☐ no ☒ unknown

Are you (Seller) aware of any of the items listed in this Section 1 that are not in working condition, that have defects, or are need of repair? ☐ yes ☒ no If yes, describe (attach additional sheets if necessary): _____

Section 2. Are you (Seller) aware of any defects or malfunctions in any of the following?: (Mark Yes (Y) if you are aware and No (N) if you are not aware.)

Item	Y	N	Item	Y	N	Item	Y	N
Basement		☒	Floors		☒	Sidewalks		☒
Ceilings		☒	Foundation / Slab(s)		☒	Walls / Fences		☒
Doors		☒	Interior Walls		☒	Windows		☒
Driveways		☒	Lighting Fixtures		☒	Other Structural Components		☒
Electrical Systems		☒	Plumbing Systems		☒			
Exterior Walls		☒	Roof		☒			

If the answer to any of the items in Section 2 is yes, explain (attach additional sheets if necessary): _____

Section 3. Are you (Seller) aware of any of the following conditions: (Mark Yes (Y) if you are aware and No (N) if you are not aware.)

Condition	Y	N	Condition	Y	N
Aluminum Wiring		☒	Previous Foundation Repairs		☒
Asbestos Components		☒	Previous Roof Repairs	<u>LYR</u>	☒
Diseased Trees: ☒ oak wilt ☐ _____	☒		Other Structural Repairs		☒
Endangered Species/Habitat on Property		☒	Radon Gas		☒
Fault Lines		☒	Settling		☒
Hazardous or Toxic Waste		☒	Soil Movement		☒
Improper Drainage		☒	Subsurface Structure or Pits		☒
Intermittent or Weather Springs		☒	Underground Storage Tanks		☒
Landfill		☒	Unplatted Easements		☒
Lead-Based Paint or Lead-Based Pt. Hazards		☒	Unrecorded Easements		☒
Encroachments onto the Property		☒	Urea-formaldehyde Insulation		☒
Improvements encroaching on others' property		☒	Water Penetration		☒
Located in 100-year Floodplain		☒	Wetlands on Property		☒
Located in Floodway		☒	Wood Rot		☒
Present Flood Ins. Coverage (If yes, attach TAR-1414)		☒	Active infestation of termites or other wood destroying insects (WDI)		☒
Previous Flooding into the Structures		☒	Previous treatment for termites or WDI		☒
Previous Flooding onto the Property		☒	Previous termite or WDI damage repaired		☒
Previous Fires		☒	Termite or WDI damage needing repair		☒
Previous Use of Premises for Manufacture of Methamphetamine		☒	Single Blockable Main Drain in Pool/Hot Tub/Spa*		☒

(TAR-1406) 9-01-11

Initialed by: Seller: LYR, RR and Buyer: _____

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Page 2 of 5
Reid, Lois Kay

Concerning the Property at _____

If the answer to any of the items in Section 3 is yes, explain (attach additional sheets if necessary): _____

ask will in in the area
roof covering replaced 2013

*A single blockable main drain may cause a suction entrapment hazard for an individual.

Section 4. Are you (Seller) aware of any item, equipment, or system in or on the Property that is in need of repair, which has not been previously disclosed in this notice? ☐ yes ☒ no If yes, explain (attach additional sheets if necessary): _____

Section 5. Are you (Seller) aware of any of the following (Mark Yes (Y) if you are aware. Mark No (N) if you are not aware.)

Y N

- ☐ ☒ Room additions, structural modifications, or other alterations or repairs made without necessary permits or not in compliance with building codes in effect at the time.
- ☐ ☒ Homeowners' associations or maintenance fees or assessments. If yes, complete the following:
Name of association: _____
Manager's name: _____ Phone: _____
Fees or assessments are: \$ _____ per _____ and are: ☐ mandatory ☐ voluntary
Any unpaid fees or assessment for the Property? ☐ yes (\$ _____) ☐ no
If the Property is in more than one association, provide information about the other associations below or attach information to this notice.
- ☐ ☒ Any common area (facilities such as pools, tennis courts, walkways, or other) co-owned in undivided interest with others. If yes, complete the following:
Any optional user fees for common facilities charged? ☐ yes ☐ no If yes, describe: _____
- ☐ ☒ Any notices of violations of deed restrictions or governmental ordinances affecting the condition or use of the Property.
- ☐ ☒ Any lawsuits or other legal proceedings directly or indirectly affecting the Property. (Includes, but is not limited to: divorce, foreclosure, heirship, bankruptcy, and taxes.)
- ☐ ☒ Any death on the Property except for those deaths caused by: natural causes, suicide, or accident unrelated to the condition of the Property.
- ☐ ☒ Any condition on the Property which materially affects the health or safety of an individual.
- ☐ ☒ Any repairs or treatments, other than routine maintenance, made to the Property to remediate environmental hazards such as asbestos, radon, lead-based paint, urea-formaldehyde, or mold.
If yes, attach any certificates or other documentation identifying the extent of the remediation (for example, certificate of mold remediation or other remediation).
- ☐ ☒ Any rainwater harvesting system connected to the property's public water supply that is able to be used for indoor potable purposes.

If the answer to any of the items in Section 5 is yes, explain (attach additional sheets if necessary): _____

Concerning the Property at 84 Lois Kay St.
Harper, TX 78631

Section 6. Seller ☐ has ☒ has not attached a survey of the Property.

Section 7. Within the last 4 years, have you (Seller) received any written inspection reports from persons who regularly provide inspections and who are either licensed as inspectors or otherwise permitted by law to perform inspections? ☐ yes ☒ no If yes, attach copies and complete the following:

Inspection Date	Type	Name of Inspector	No. of Pages

Note: A buyer should not rely on the above-cited reports as a reflection of the current condition of the Property. A buyer should obtain inspections from inspectors chosen by the buyer.

Section 8. Check any tax exemption(s) which you (Seller) currently claim for the Property:

- ☒ Homestead ☐ Senior Citizen ☐ Disabled
☐ Wildlife Management ☐ Agricultural ☐ Disabled Veteran
☐ Other: _____ ☐ Unknown

Section 9. Have you (Seller) ever received proceeds for a claim for damage to the Property (for example, an insurance claim or a settlement or award in a legal proceeding) and not used the proceeds to make the repairs for which the claim was made? ☐ yes ☒ no If yes, explain: _____

Section 10. Does the property have working smoke detectors installed in accordance with the smoke detector requirements of Chapter 766 of the Health and Safety Code? ☐ unknown ☐ no ☒ yes. If no or unknown, explain. (Attach additional sheets if necessary): _____

**Chapter 766 of the Health and Safety Code requires one-family or two-family dwellings to have working smoke detectors installed in accordance with the requirements of the building code in effect in the area in which the dwelling is located, including performance, location, and power source requirements. If you do not know the building code requirements in effect in your area, you may check unknown above or contact your local building official for more information.*

A buyer may require a seller to install smoke detectors for the hearing impaired if: (1) the buyer or a member of the buyer's family who will reside in the dwelling is hearing-impaired; (2) the buyer gives the seller written evidence of the hearing impairment from a licensed physician; and (3) within 10 days after the effective date, the buyer makes a written request for the seller to install smoke detectors for the hearing-impaired and specifies the locations for installation. The parties may agree who will bear the cost of installing the smoke detectors and which brand of smoke detectors to install.

Seller acknowledges that the statements in this notice are true to the best of Seller's belief and that no person, including the broker(s), has instructed or influenced Seller to provide inaccurate information or to omit any material information.

Robin A. Reid by Lisa J. Reid POA Lisa J. Reid
Signature of Seller Date Signature of Seller Date
Printed Name: Robin A. Reid Printed Name: Lisa J. Reid

(TAR-1406) 9-01-11

Initialed by: Seller: LR, RR and Buyer: _____

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Concerning the Property at _____

84 Lois Kay St.
Harper, TX 78631

ADDITIONAL NOTICES TO BUYER:

- (1) The Texas Department of Public Safety maintains a database that the public may search, at no cost, to determine if registered sex offenders are located in certain zip code areas. To search the database, visit www.txdps.state.tx.us. For information concerning past criminal activity in certain areas or neighborhoods, contact the local police department.
- (2) If the property is located in a coastal area that is seaward of the Gulf Intracoastal Waterway or within 1,000 feet of the mean high tide bordering the Gulf of Mexico, the property may be subject to the Open Beaches Act or the Dune Protection Act (Chapter 61 or 63, Natural Resources Code, respectively) and a beachfront construction certificate or dune protection permit may be required for repairs or improvements. Contact the local government with ordinance authority over construction adjacent to public beaches for more information.
- (3) If you are basing your offers on square footage, measurements, or boundaries, you should have those items independently measured to verify any reported information.
- (4) The following providers currently provide service to the property:
- | | |
|--|----------------|
| Electric: <u>Central TX Elec Co-op</u> | phone #: _____ |
| Sewer: <u>NA</u> | phone #: _____ |
| Water: <u>Agua TX</u> | phone #: _____ |
| Cable: <u>DISH</u> | phone #: _____ |
| Trash: <u>Bill Holmes</u> | phone #: _____ |
| Natural Gas: <u>NA</u> | phone #: _____ |
| Phone Company: <u>Windstream</u> | phone #: _____ |
| Propane: <u>NA</u> | phone #: _____ |
- (5) This Seller's Disclosure Notice was completed by Seller as of the date signed. The brokers have relied on this notice as true and correct and have no reason to believe it to be false or inaccurate. YOU ARE ENCOURAGED TO HAVE AN INSPECTOR OF YOUR CHOICE INSPECT THE PROPERTY.

The undersigned Buyer acknowledges receipt of the foregoing notice.

Signature of Buyer _____	Date _____	Signature of Buyer _____	Date _____
Printed Name: _____		Printed Name: _____	



TEXAS ASSOCIATION OF REALTORS®

INFORMATION ABOUT ON-SITE SEWER FACILITY

USE OF THIS FORM BY PERSONS WHO ARE NOT MEMBERS OF THE TEXAS ASSOCIATION OF REALTORS® IS NOT AUTHORIZED.
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CONCERNING THE PROPERTY AT

84 Lois Kay St.
Harper, TX 78631

A. DESCRIPTION OF ON-SITE SEWER FACILITY ON PROPERTY:

- (1) Type of Treatment System: ☐ Septic Tank ☐ Aerobic Treatment ☒ Unknown
☐ _____
- (2) Type of Distribution System: _____ ☒ Unknown
- (3) Approximate Location of Drain Field or Distribution System: southwest of house ☐ Unknown

- (4) Installer: Zinsmeister ☐ Unknown
- (5) Approximate Age: 1999 ☐ Unknown

B. MAINTENANCE INFORMATION:

- (1) Is Seller aware of any maintenance contract in effect for the on-site sewer facility? ☐ Yes ☒ No
 If yes, name of maintenance contractor: _____
 Phone: _____ contract expiration date: _____
Maintenance contracts must be in effect to operate aerobic treatment and certain non-standard on-site sewer facilities.)
- (2) Approximate date any tanks were last pumped? summer 2013
- (3) Is Seller aware of any defect or malfunction in the on-site sewer facility? ☐ Yes ☒ No
 If yes, explain: _____

- (4) Does Seller have manufacturer or warranty information available for review? ☐ Yes ☒ No

C. PLANNING MATERIALS, PERMITS, AND CONTRACTS:

- (1) The following items concerning the on-site sewer facility are attached:
☐ planning materials ☒ permit for original installation ☐ final inspection when OSSF was installed
☐ maintenance contract ☐ manufacturer information ☐ warranty information ☐ _____
- (2) "Planning materials" are the supporting materials that describe the on-site sewer facility that are submitted to the permitting authority in order to obtain a permit to install the on-site sewer facility.
- (3) It may be necessary for a buyer to have the permit to operate an on-site sewer facility transferred to the buyer.

(TAR-1407) 1-7-04

Initialed for Identification by Buyer _____, _____ and Seller LJR, RR

Page 1 of 2

Real Estate Advisory Team 734 S. Washington St. Fredericksburg, TX 78624
 Phone: 830.997.3400 Fax: 830.990.8576 Neal Reeh

Reid, Lois Kay

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D. INFORMATION FROM GOVERNMENTAL AGENCIES: Pamphlets describing on-site sewer facilities are available from the Texas Agricultural Extension Service. Information in the following table was obtained from Texas Commission on Environmental Quality (TCEQ) on 10/24/2002. The table estimates daily wastewater usage rates. Actual water usage data or other methods for calculating may be used if accurate and acceptable to TCEQ.

<u>Facility</u>	<u>Usage (gal/day) without water- saving devices</u>	<u>Usage (gal/day) with water- saving devices</u>
Single family dwelling (1-2 bedrooms; less than 1,500 sf)	225	180
Single family dwelling (3 bedrooms; less than 2,500 sf)	300	240
Single family dwelling (4 bedrooms; less than 3,500 sf)	375	300
Single family dwelling (5 bedrooms; less than 4,500 sf)	450	360
Single family dwelling (6 bedrooms; less than 5,500 sf)	525	420
Mobile home, condo, or townhouse (1-2 bedroom)	225	180
Mobile home, condo, or townhouse (each add'l bedroom)	75	60

This document is not a substitute for any inspections or warranties. This document was completed to the best of Seller's knowledge and belief on the date signed. Seller and real estate agents are not experts about on-site sewer facilities. Buyer is encouraged to have the on-site sewer facility inspected by an inspector of Buyer's choice.

Robin A. Reid 12-26-13
Signature of Seller by Robin A. Reid Date
Robin A. Reid

Signature of Seller Lisa J. Reid Date 12-26-13
Lisa J. Reid

Receipt acknowledged by:

Signature of Buyer	Date
--------------------	------

Signature of Buyer	Date
--------------------	------

Site Evaluation Number:

Applicant Information:

Name: MIKE WOODWARD
Address: _____
City: _____ State: _____
Zip Code: _____ Phone: _____ Fax: _____

Site Evaluator Information:

Name: BRUCE CARP
Company: BPC & SONS ENGINEERING INC
Address: PO BOX 363
City: Cathlamet State: WA
Zip Code: 98582 Phone: 915 Fax: 915

Property Location:

Lot 11D Block Subdivision HARPER RD
 Street/Road Address 2015 PAH EST
 County GILLESPIE Unincorporated Area? Yes
 City HARPER RD Zip Code 78631
 Additional Information

Installer Information:

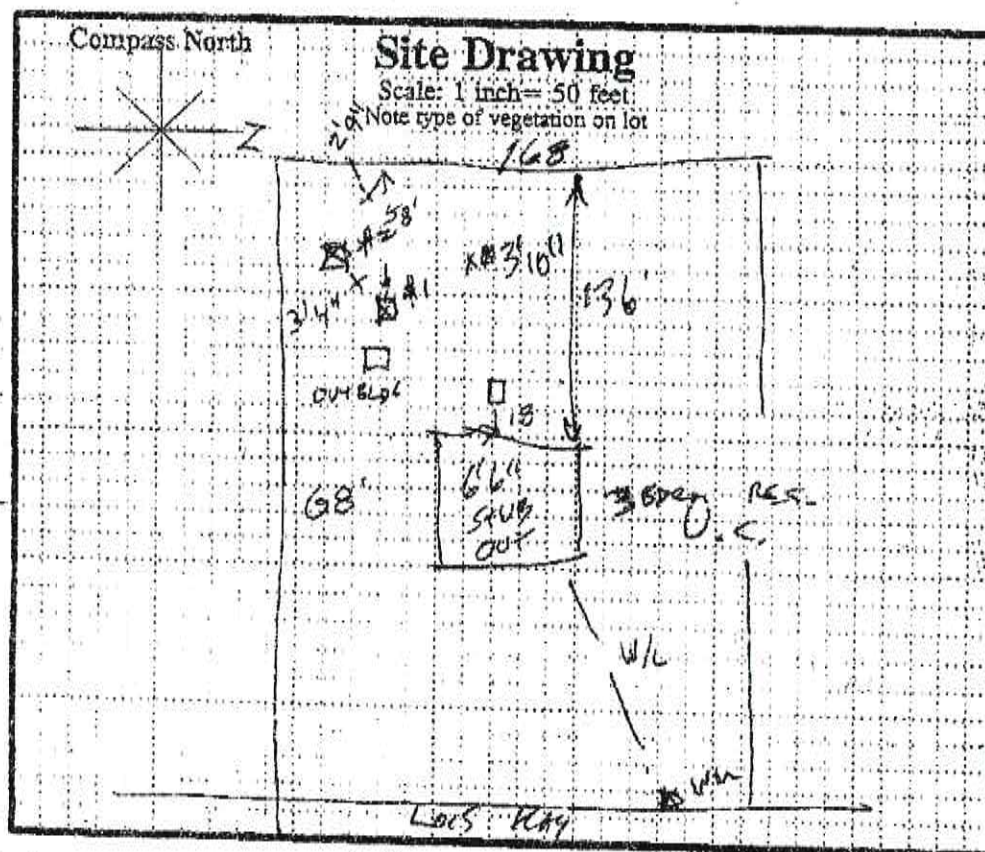
Name: PAUL EINSWRIESEN
Company: _____
Address: _____
City: _____ State: _____
Zip Code: _____ Phone: _____ Fax: _____

Schematic of Lot or Tract

Show:

Compass North, adjacent streets, property lines, property dimensions, location of buildings, easements, swimming pools, water lines, and other surface improvements where known (drainage, patios, sidewalks).
Location of existing or proposed water wells within 150 feet of property.
Indicate slope or provide contour lines from the structure to the farthest location of the proposed soil absorption or irrigation area.
Location of soil borings or dug pits (show location with respect to a known reference point).
Location of natural, constructed, or proposed drainage ways (streams, ponds, lakes, rivers, high tide of salt water bodies).
Water impoundment areas, cut or fill bank, sharp slopes and breaks.

Lot Size: 1.0 acres



Features of Site Area

Presence of 100 year flood zone
Presence of adjacent ponds, streams, water impoundments
Existing or proposed water well in nearby area
Organized sewage service available to lot or tract

Yes _____	No _____
Yes _____	No _____
Yes _____	No _____
Yes _____	No _____

Site Evaluator:
Name: Bruce C. Smith
(Circle one: RS, PE DR, Installer ID)

Signature: Mr. R. C. ...

License No: 057107

TX PL 42905

Date: 16 Aug 99

Number: _____

Applicant Information:

Name: Mike Winkward
 Address: 111 Turkey Dr
 City: Hager State: Tx
 Zip Code: 78631 Phone: 361-1768 Fax: _____

Site Evaluator Information:

Name: Paul Zimmerman
 Company: Paul Zimmerman Corp Inc
 Address: 4043 Box 53B State: Tx
 City: Hager Zip Code: 78631 Phone: 361-4457 Fax: _____

Property Location:

Lot: 110 Block: _____ Subdivision: Hager Co. Gms
 Street/Road Address: Lois Kay Dr
 County: Gillespie Unincorporated Area: Box N
 City: Hager Zip Code: 78631
 Additional Information: Survey # 270
Abstract # 270

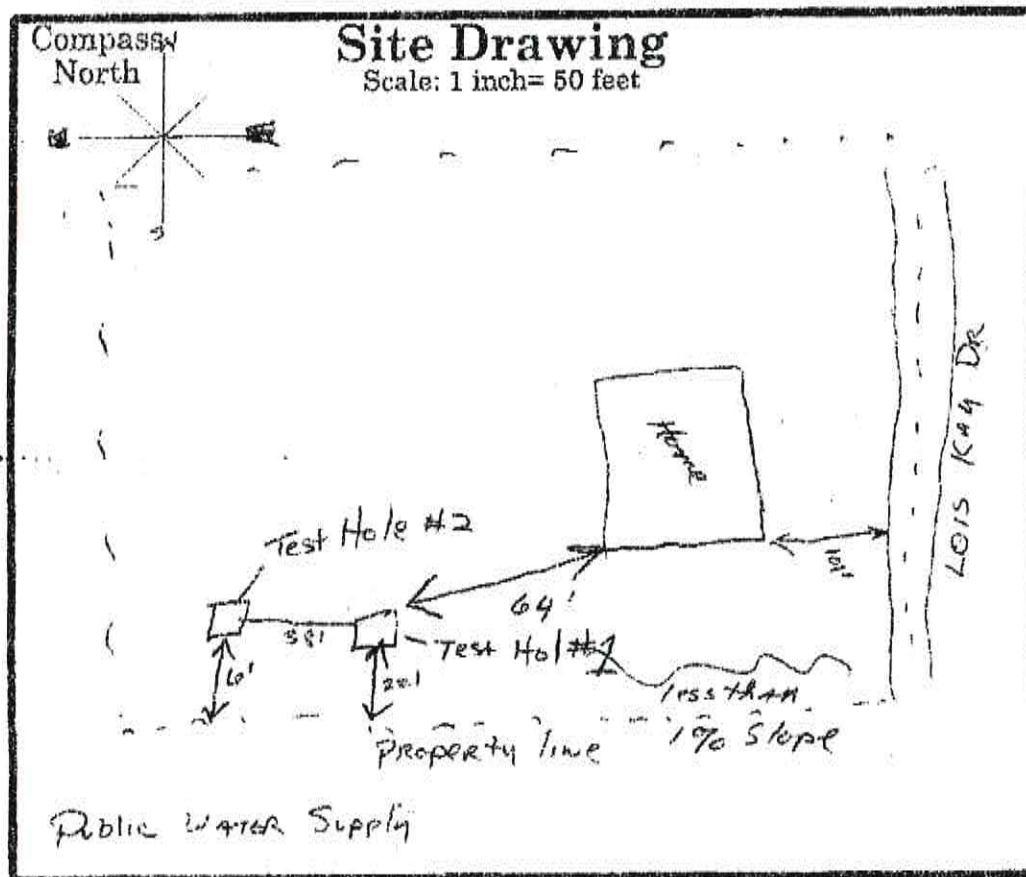
Installer Information:

Name: Paul Zimmerman
 Company: Paul Zimmerman Corp Inc
 Address: 4043 Box 53B State: Tx
 City: Hager Zip Code: 78631 Phone: 361-4457 Fax: _____

Schematic of Lot or Tract

Show:

Compass North, adjacent streets, property lines, property dimensions, location of buildings, easements, swimming pools, water lines, and other structures where known.
 Location of existing or proposed water wells within 150 feet of property.
 Indicate slope or provide contour lines from the structure to the farthest location of the proposed soil absorption or irrigation area.
 Location of soil borings or dug pits (show location with respect to a known reference point).
 Location of natural, constructed, or proposed drainage ways, (streams, ponds, lakes, rivers, high tide of salt water bodies) water impoundment areas, cut or fill bank, sharp slopes and breaks.

Lot Size: 2 acres**Features of Site Area**

Presence of 100 year flood zone
 Presence of upper water shed
 Presence of adjacent ponds, streams, water impoundments
 Existing or proposed water well in nearby area
 Organized sewage service available to lot or tract

Yes _____ No ☒
 Yes _____ No ☒
 Yes _____ No ☒
 Yes _____ No ☒
 Yes _____ No ☒

Site Evaluator:

Name: Paul Zimmerman Signature: [Signature] License No: 5020

APPLICATION FOR PRIVATE SEWAGE SYSTEM
CONSTRUCTION PERMIT AND LICENSE

DATE 7-19-99 PERMIT NO. 8533 FEE 150.00

I, hereby make an application for a license to construct and operate a private sewage disposal system in Gillespie County, Texas.

OWNER Michael + Pamela Woodward PHONE NO. 800-964-4768

MAILING ADDRESS 4115 E. 1st St. Apt. 2801 Austin, TX 78701

HOUSE NO. AND STREET ADDRESS 4115 E. 1st St.

SUBDIVISION, DESCRIBED LOCATION OR ATTACH A/RAP/SKETCH

NAME Garage Closes

SIZE ACREAGE OR TRACT 1.00 SECTION 1 BLOCK 1 LOT 110

DESCRIPTION OF STRUCTURE TO BE SERVED

House (X) Mobile Home () Other

Commercial ()

(Type of Business)

Living Area (1/20) Bedrooms (2) Bathrooms (2) Disposal (X)

Washing Machine (X) Dishwasher (X) Water Softener () Other

Water Supply By: Public System () Community () Individual ()

DATE 7-19-99 INSPECTOR-SANITARIAN D. J. Smith

Authorization is hereby given to the Private Sewage Facility, Gillespie County, Texas, Texas Department of Water Resources, the Texas State Department of Health Resources, or their agents or designees, singly or jointly, to enter upon the above described property for the purpose of making soil percolation tests, inspecting sewage systems, or for any reason consistent with the water quality program of the Texas Department of Water Resources, the Texas State Department of Health Resources and the Private Sewage Facility, Gillespie County, Texas.

(If signed by Owner, Authorized Agent, Contractor, provide name, address and phone #)

DATE 7/19/99 Michael Woodward

Signature of Owner or Authorized Agent

Authorization to proceed with construction will be provided after a joint (Owner or installer and Inspector for the Private Sewage Facility, Gillespie County, Texas survey of the proposed site for the facility and analysis of percolation test data) (if required)

THIS PERMIT TO CONSTRUCT IS VALID FOR 180 DAYS.
OFFICIAL USE ONLY

5151 INSPECTION OR PERCOLATION TEST

DATE 7-19-99 PERMIT NO. 8533 FEE 150.00

TYPE SOIL - Rocky () Gravel () Sand () Other

SLOPE - Flat () Sloping () Other

PERCOLATION TEST RESULTS INCHES FALL/20 MINUTES

HOLES (1) (2) (3) (4) (5) (6)

(7) (8) PERG. TEST AVERAGE

DATE 7-19-99 INSPECTOR-SANITARIAN D. J. Smith

COMMENTS:

180 gpd/day = 144 lines - 1/2

144 x .8 = 115.2 ÷ 6.25 = 18.43 pounds or 19 pounds

#1 10' x 15' excavation 19' distance 1/2 applied

#2

30 ft

30 ft

30 ft

30 ft

30 ft

30 ft

30 ft

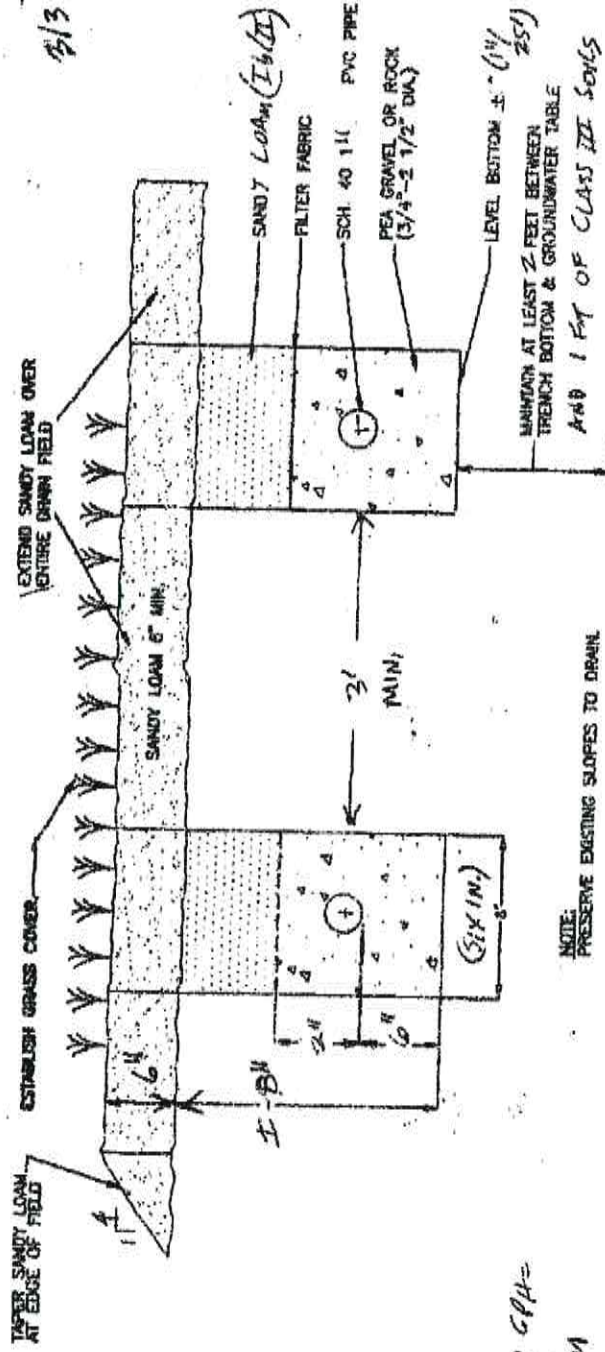
30 ft

30 ft

30 ft

30 ft

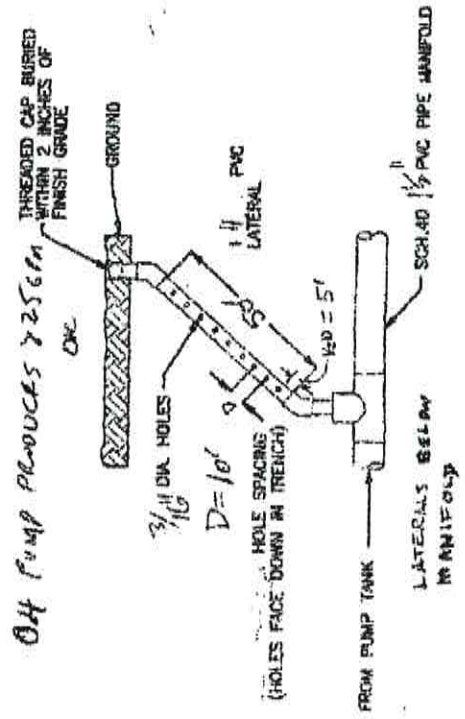
30 ft



TYPICAL TRENCH DETAIL
N.T.S.

NOTE:
PRESERVE EXISTING SLOPES TO DRAIN

Flow Calc:
 $400 \text{ LF} \times 1.10 \times 0.59 \text{ GPA} =$
 $23,6 \text{ GPA}$
 OH Pump produces 225 GPA



PUMPING DETAIL
N.T.S.

MIKE WOODWARD (65182) CE-HARDEN	
SCALE	AS SHOWN
DESIGNED	BY
BRUCE P. CEREPKA, P.E. 915122-4691	
PROJ. NO. 203 CHEROKEE, TX 76832	
DATE	APPROVED BY
DRAWING NUMBER	

Handwritten notes and signatures:
 B.P.
 8/26/99

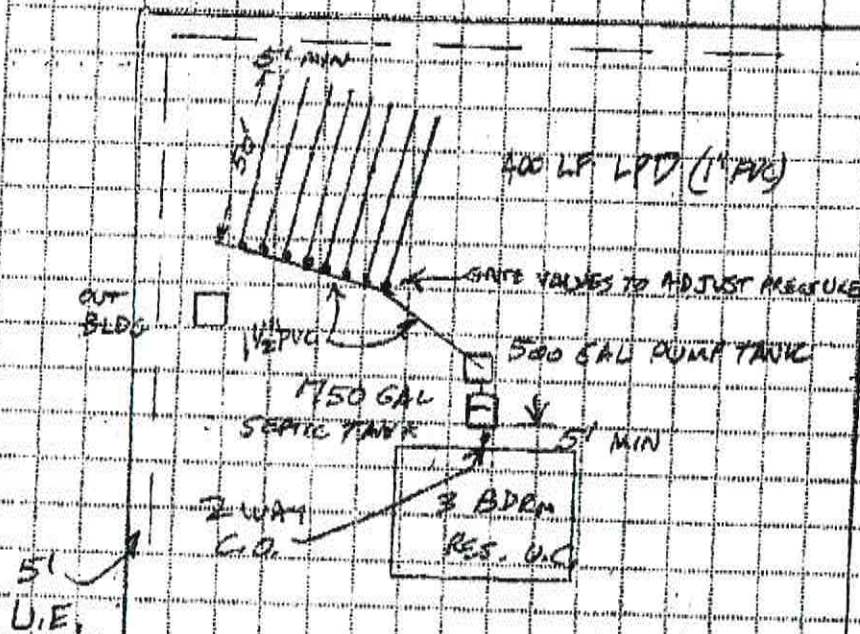
BRUCE P. CEREPKA, P.E.

BPC + SONS ENGINEERING

P.O. BOX 203
CHEROKEE, TEXAS 76822VOICE MAIL 800/338-7000
AUSTIN MOBILE 512/650-1845

WOODWARD RESIDENCE - HARPER

SHT 1/3

OFF SITE PLAN
NOT

LOT 110

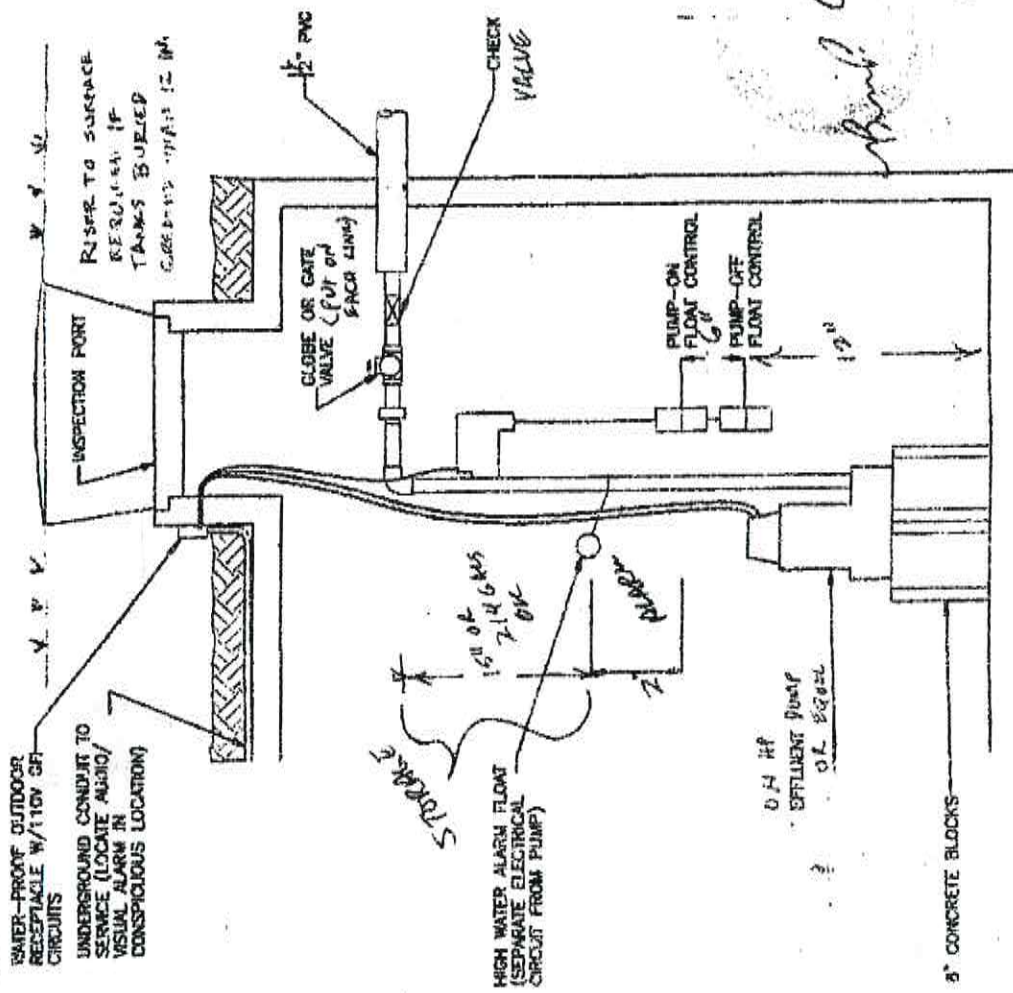
WIL

LOIS HAN RD

Handwritten signature and date: 8/26/99

WATER-PROOF OUTDOOR
RECEPTACLE W/110V GFI
CIRCUITS

UNDERGROUND CONDUIT TO
SERVICE (LOCATE ALONG/
VISUAL ALARM IN
CONSPICUOUS LOCATION)



NOTE: PUMP WITH AUTOMATIC
CONTROLS MAY BE
SUBSTITUTED FOR
FLOAT CONTROLS

500 GALLON PUMPING TANK DETAIL
(PRECAST CONCRETE) N.T.S.

249

NOTES & CALCULATIONS

SYSTEM SIZED FOR 3 869 LPM CONSUMPTION Q = 240 GPD LAY
A = 240' / 0.2 = 1,200' @ LPO = 1,200' x 3 = 4,000' L²
PROVIDE 8 PIPE RUNS AT 50 L² = 4,000 L²

SEPTIC TANK PRECAST CONCRETE, 2 COMPARTMENT, 150 GALLON TANK (ASTM C1227-93A)

SEPTIC TANK FITTINGS AND BUILDING SEWER PIPES 4" PVC (SCH. 40)

SEWER PIPE FALL FROM BUILDING TO SEPTIC TANK, 1/8" PER FT.

OUTLET OF SEPTIC TANK TO PUMPING TANK 1/8" PER FT.

OUTLET PIPE FROM PUMPING TANK TO PRESSURE DOSE FIELD 1/2" PVC (SCH. 40)

NO WHOLE WELLS WITHIN 1-2' FL NO FLOOD PLAIN ON LOT.

NO CUTS OR FILLS OVER 4 FT.

EXISTING EASEMENTS AS SHOWN.

PRESSURE HEAD ON TOP PIPE = 2 R.

FRICTION HEAD: 1.2 x 1,200' L MAINFOLD 1/2" PVC x 2.0/100 FL = 3 R.

ELEVATION HEAD: 5 R. TOTAL HEAD = 10 FT

PUMPING TANK TO MAINTAIN 80 GALLONS CAPACITY ABOVE ALARMA - 214 GALS REQUIRED

STORAGE VOLUME: 400 L² 1" PVC x 4.1 GAL/100 R = 16.4 GAL
1,000 L² 1/2" PVC x 9.2 GAL/100 R = 92.8 GAL TOTAL = 109.2 GAL

DOSING VOLUME: 9.2 GAL + 5 x 16.4 = 91.2 GAL. CALCULATE SPACING FOR
FLOAT CONTROL BASED ON 35' WORKING DEPTH IN 50' GALL PUMP TANK 91.2/500 R²
6.7' DRAW DOWN

504 64

Handwritten signature

8/26/99

MIKE WOODWARD RESIDENT - HARPER	
LPP TRACER 055F	SCALE
BRUCE P. CEREPKA, P.E. 0151622-4691	DESIGN BY
PO BOX 263, CHENEBOKEE, TX 76832	REVIEWED
8/26/99	DATE
	DRAWING NUMBER

CERTIFICATION OF APPROVAL

FINAL INSPECTION

DATE 9/3/99 PERMIT NO. 3533 FEE 150
 MANUFACTURER BUCHANAN SEPTIC TANK
 TANK #1 SN# 813991 TANK #2 SN#
 SIZE TANK #1 1250 GALS. TANK #2 GALS. TYPE concrete
 ABSORPTION TRENCH () LENGTH 400 WIDTH 3
LPP (✓) ABSORPTION BED AREA () SQUARE FEET 1200 SQ FT.
 COMMERCIAL () PRIVATE RESIDENCE (✓)
 INSTALLER OR CONTRACTOR PAUL ZINSMEISTER
 ADDRESS MC 63 Box 538 HARPER TX. 78631 PHONE # 864-4574
 DATE 9/3/99 FINAL INSPECTION MADE BY Doug R. Lark

(INSPECTION IS REQUIRED AFTER TANK AND PIPES ARE INSTALLED, BUT NOT COVERED)
 MAKE A SKETCH OF SYSTEM
 (NOT TO SCALE)

✓ SEE DESIGN

