

#5752

(512) 755-3424

3-9-06

Gary Jennings - ~~Catherine Peters~~

OSSF a few years ago + 3BR trailer
+ gone

3 - 500 gal tanks

3 - lateral fields

Wants to build storage buildings, which
will be over one of the lateral fields.

800-1000 gals. monthly for his shop.

Lots 492, 493, 494, 495 in Indian Hills

Needs a site evaluator to do a site eval.
and see if a lateral zone can be removed
+ if the existing OSSF meets current
standards since this would be a system
alteration.

Burt Carter

5752

Tanks: 3- 500 gal, 1-compartment tanks
1500 gal approved for 600 gpd MAX

Drainfield: 4 beds total (rollover design)

$$2 \text{ - beds: } 38' \times 20' = 760 \times 2 = 1520 \text{ ft}^2$$

$$38 \times 4 = 152$$

$$20 \times 4 = 80$$

$$1520 + 152 + 80 = 1752 \text{ ft}^2 \text{ w/ sidewall}$$

$$2 \text{ - beds: } 28.5' \times 20' = 570 \times 2 = 1140 \text{ ft}^2$$

$$28.5 \times 4 = 114$$

$$20 \times 4 = 80$$

$$1140 + 114 + 80 = 1334 \text{ ft}^2 \text{ w/ sidewall}$$

$$1752 \text{ ft}^2 + 1334 \text{ ft}^2 = \underline{3086 \text{ ft}^2} \text{ total} \\ \text{w/ sidewall credit.}$$

$$\text{class III } 3086 \times 0.20 = 617.2 \text{ gpd}$$

$$\text{class II } 3086 \times 0.25 = 771.5 \text{ gpd}$$

$$\text{Proposed: } 16 \text{ RV's @ } 40 \text{ gpd} = 640 \text{ gpd}$$

Modification required due to tanks or class III soil.

7/29/04

James Maynard, RS
CS7172



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 • (512) 473-3200

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ON-SITE SEWERAGE FACILITY LICENSE
Issued by The Lower Colorado River Authority
An Authorized Agent of the Texas Natural Resources
Conservation Commission (TNRCC)

Issued To: ----- LICENSE NO.: S05752

GARY D JENNINGS

APPLYING TO SYSTEM SERVING

Located in the WATER QUALITY zone on Lake BUCHANAN in LLANO County
Sub: INDIAN HILLS Sec. Blk. Lot 492 or otherwise described
in Licensee's Application No. S05752 Inspection Date: January 24, 1995

Acceptance of this license constitutes an agreement to abide by the terms
and conditions specified in TNRCC and LCRA Regulations.

A construction permit must be obtained from LCRA prior to any repair work
or modification being performed to the on-site sewage disposal system.

Approved by: *Danna Clendenen* Date: February 20, 1995
Valid until: 04/27/99 or as otherwise voided in the Highland Lakes
Regulations

s_licn.txt, rev: 12/21/93

NAME: GARY D JENNINGS
DATE: 02/20/95

LICENSE NO.: S05752
PAGE.....: 1



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 • (512) 473-3200

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PRIVATE SEWAGE DISPOSAL FACILITY REINSPECTION APPROVAL LETTER

Application: S05752

Owner: ROBERT A KASELL

Legal description/location: INDIAN HILLS, LOT 492

Lake: BUCH

On 1-24-95 a reinspection of the private sewage disposal facility (PSDF) located on the above referenced property was performed. This reinspection revealed the on-site sewage disposal system to be serving the Tavern & a 2-br. mobile home satisfactorily, therefore, the facility is approved.

Installation date: 78

Tank material: CON Size: 3-500 gallons concrete

Disposal field size: 2090 sf Type: ABS

Please note whether any of the following items are checked:

☒ Lack of regular use of this facility does not permit an evaluation of the facility as it would, had the facility been in use full time.

☐ This system does not meet current LCRA size requirements. Due to the small size of the facility, water conservation is recommended. It is also recommended that the structure be retrofitted with low-flow water conserving devices to further decrease wastewater loading to the system.

Comments: _____

LCRA must be notified prior to any additions being made to the building/establishment, in order to determine whether wastewater loading may potentially increase.

This reinspection approval is valid for a period of six months from this date, or until the Form 1102 must be submitted from the new owner, whichever is first. The Form 1102 must be submitted by the new owner in order to have the license placed into his/her name for legal operation of the sewage disposal facility. It is recommended the Form 1102 be completed at the time of sale closing, and submitted to LCRA as soon as possible.

Inspector: B. Maddox



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 • (512) 473-3200

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REINSPECTION REPORT

NOTE: COMPLETION OF THIS FORM BY LCRA DOES NOT CONSTITUTE SYSTEM APPROVAL. APPROVAL OF THE SYSTEM IS VERIFIED THROUGH THE ISSUANCE OF AN APPROVAL LETTER BY LCRA.

Date sent to inspector: December 28, 1994 Application No. S05752
Zone: W Owner: ROBERT A KASSELL
Subdivision: INDIAN HILLS Section: Block: Lot: 492
Serving: Tavern & a 2-br. mobile Application Number on meter: _____

TANK INSPECTION:

Probe: _____ Visual ☒
Capacity (Gallons): 500-500-500 Size: _____ Type: concrete
Tank in need of pumping: Yes _____ No ☒ Tank watertight: Yes ☒ No _____
Comments: 500gal concrete tank installed to replace faulty fiber glass tank.

DRAINFIELD INSPECTION:

Size: 2090 [★] Type: entire E/T
Surfacing Effluent: Yes _____ No ☒ If yes, describe extent: _____

Point source discharge on ground surface: Yes _____ No ☒ Source: _____

If ponding describe extent: _____

Type of vegetation on field surface: native

Soil over drainfield saturated (effluent is not surfacing): Yes _____ No ☒

Distance of drainfield to: Water Lines: 12 ft Water Wells: 40 Lakeshore: 600 ft

Distance of septic tank to: Water Lines: 10 ft Water Wells: 50 ft Lakeshore: 600 ft

System enlarged since last inspection: Yes _____ No ☒ If yes, describe: _____

Structure enlarged since last inspection: Yes _____ No ☒ If Yes, describe: _____

Property in use: Yes _____ No ☒ Indications of use or vacancy: _____

Odors present: Yes _____ No ☒ Mosquitoes or flies present: Yes _____ No ☒

Water supply: Public (list name): _____
Private: Water Well _____ Draw from lake _____

Additional comments by inspector: _____

Comments by owner: _____

The inspector shall submit an as-built diagram for office use only.
Post date and application number on diagram.

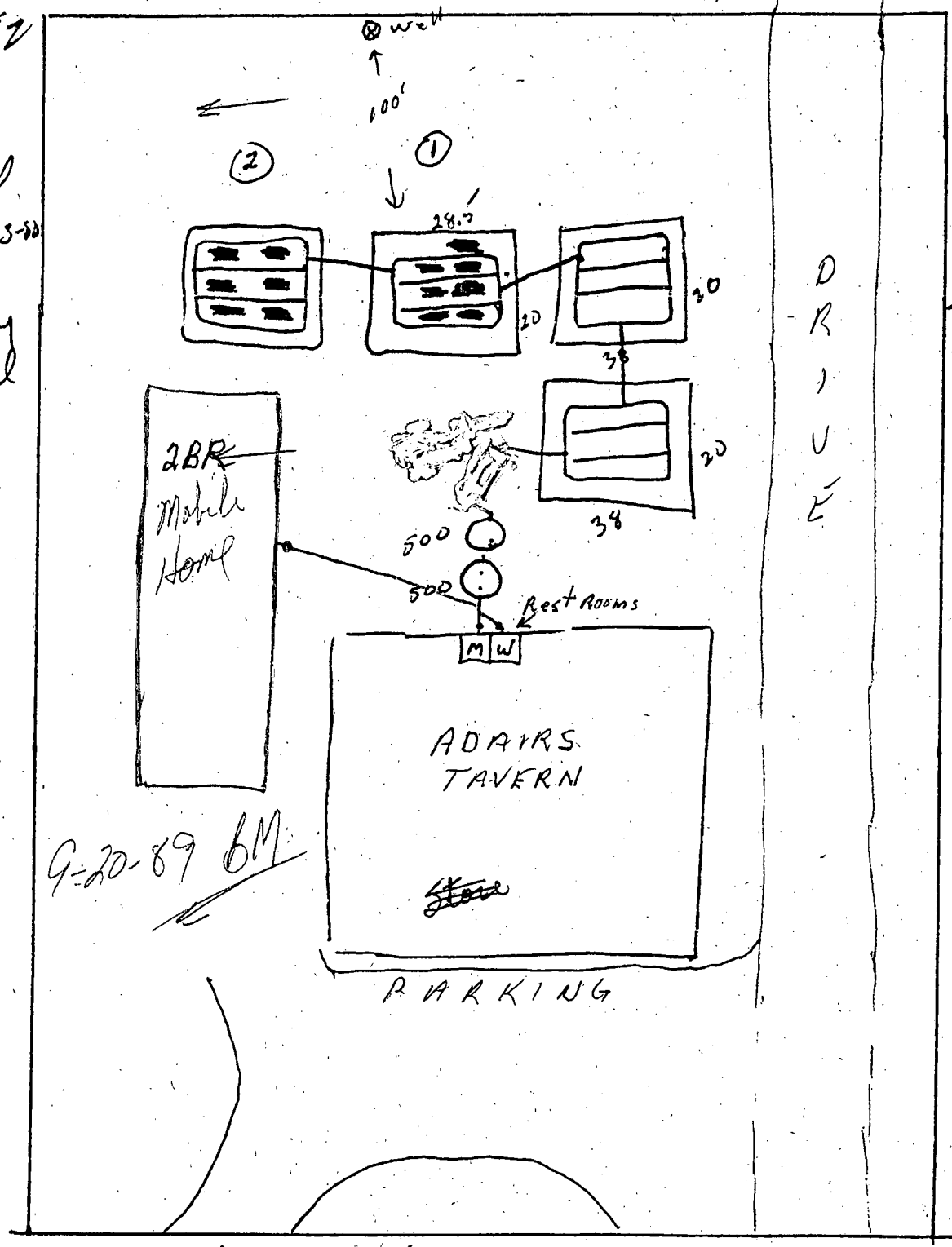
Date: 1-24-95

Inspector: Bill Maddox-Jake

① Ab. Bed #1 ② 570
 ③ Rock Dow #1 Sandwich # 5752
 ④ Sand clean 5 YR
 ⑤ approved 3-19-80 1 Nov 90
 Dave Bailey

F.M. 1431
 #5752 43

Ab. Bed #2
 570
 Dow #1
 Clean sand
 approved 4-3-80
 installed by
 Maxwell



G-20-89 BM
 11-24-85 BM

Lake Shore Drive S.H. 261
 1-24-85 BM Sale Tax approved
 500 gal tank installed by Joe Johnson

FORM
1106

PRIVATE INDIVIDUAL SEWAGE DISPOSAL SYSTEM LICENSE

NO 5752 *72*

APPLYING TO SYSTEM SERVING

LOCATED IN **Water Quality** ZONE ON LAKE **Buchanan** IN **Llano** COUNTY
SUB **Indian Hill** SEC BLK LOT **492** OR OTHERWISE
DESCRIBED IN LICENSEE'S APPLICATION NO. **5752** INSPECTION DATE **11/01/90**

COMMERCIAL SYSTEM - see reverse side

ACCEPTANCE OF THIS LICENSE CONSTITUTES AN AGREEMENT BY LICENSEE TO ABIDE BY THE TERMS AND CONDITIONS SPECIFIED IN TDWR REGULATIONS

EFFECTIVE DATE **11/01/90** VALID UNTIL **4/27/93** or by automatic termination

ISSUED TO:

TEXAS DEPARTMENT OF
WATER RESOURCES

BY ITS AGENT

LOWER COLORADO RIVER AUTHORITY

Any license issued shall automatically terminate if there is subdivision of the property served by the septic system, if the property is used for a purpose other than that described in the original application, if the loading of the system is significantly increased beyond that stated in the application, if the system fails, if there is a change of ownership, or if an organized disposal system is developed to within 300 feet of the septic tank system if LCRA considers the connection feasible. A new inspection must be made prior to the issuance of a new license.



LOWER COLORADO RIVER AUTHORITY
LICENSING SECTION
AUSTIN, TEXAS
(512) 473-3216

Date: 1 Nov 90

Inspector: Dailey

5-YEAR REINSPECTION REPORT

Date sent to inspector: _____ Application No. 5752
Zone: R _____ WQ X Owner: Robert Russell
Subdivision: Indian Hill Section: _____ Block: _____ Lot: 492
Number of bedrooms: 2 BR mobile Application number on meter: _____
Stone Home AND ADAMS TAVERN

TANK INSPECTION:

Probe: _____ Visual: ✓ Capacity (Gallons): 2-500 concrete Size: 500 fiberglass Type: concrete and fiberglass
Tank in need of pumping: Yes _____ No ✓ Tank watertight: Yes ✓ No _____
Comments: The first 2-500 GAL concrete SIT were pumped out and refilled with water. Leak test OK

DRAINFIELD INSPECTION:

Size: _____ Type: 4 Absorp beds
Surfacing Effluent: Yes _____ No ✓ If yes, describe extent: _____

Point source discharge on ground surface: Yes _____ No ✓ Source: _____

If ponding, describe extent: _____

Type of vegetation on field surface: NATIVE GRASSES AND tall weeds
Soil over drainfield saturated (effluent is not surfacing): Yes _____ No ✓
Distance of drainfield to: Water Lines: 10' Water Wells: 100' Lakeshore: 400'
Distance of septic tank to: Water Lines: 10' Water Wells: 100' Lakeshore: 400'
System enlarged since last inspection: Yes _____ No ✓ If yes, describe: _____

House enlarged since last inspection: Yes ✓ No _____ If yes, describe:
2 BR mobile home added to system. Retrofitted with ultra low flow devices.

Property in use: Yes ✓ No _____ Indications of use or vacancy: _____

Odors present: Yes _____ No ✓ Mosquitoes or flies present: Yes _____ No ✓
Water supply: Public (list name): _____
Private: Water well X Draw from lake _____

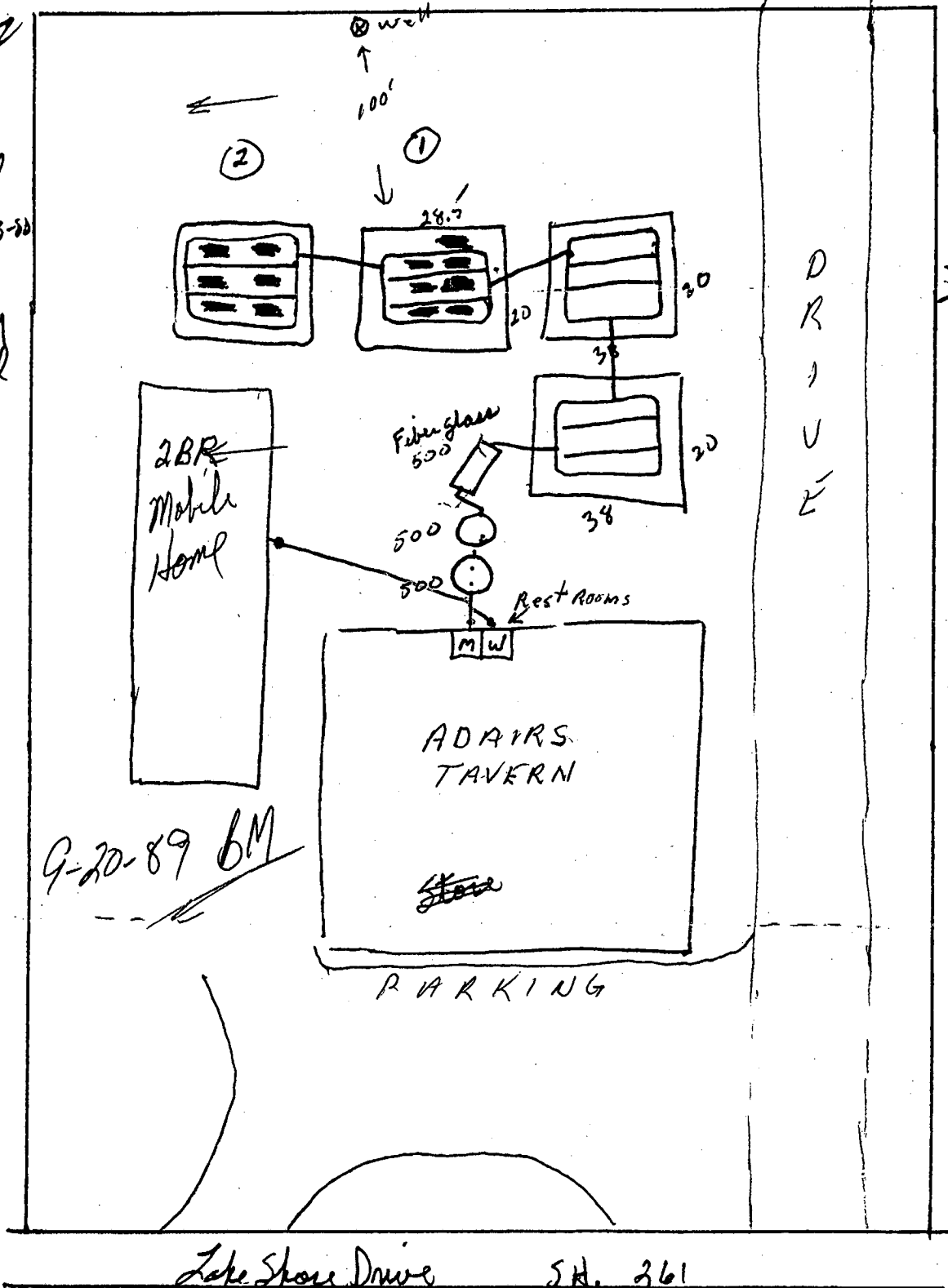
Comments by inspector: This is a large system and with the mobile home retrofitted with ultra low flow devices, the load to system should be adequate. TAVERN HAS 2 BATH ROOMS, 1 TOILET AND 1
Comments by owner: L AATORY IN EACH.

The inspector shall submit an as-built diagram for office use only. Post date and application number on diagram.

① Ab Bed #1 ② 570
 ③ Rock Dow #1 sandwich # 5752
 ④ Sand clean 5 YR
 ⑤ approved 3-19-80 1 Nov 90
 Dave Hailley

#5752
 66
 F.M.
 1431

Ab Bed #1
 570
 Dow #1
 Clean sand
 approved 4-5-88
 Installed by
 J Maxwell



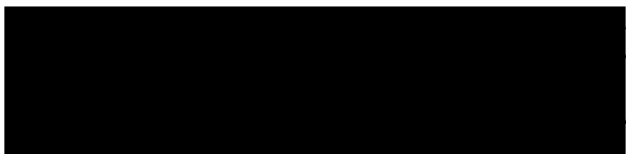
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REINSPECTION EVALUATION REPORT

Application No. 5752.10

Date: March 21, 1983

Name Robert A. Kassell



APPROVED XX

DISAPPROVED _____

INSPECTION DATE March 15, 1983

WATER QUALITY ZONE XX

RESTRICTED ZONE _____

INSPECTION REPORT CODES

INSPECTION LICENSING	REINSPECTION
NOT MADE 0 UNAPPROVED 0	NOT REQUIRED 0
MADE 1 APPROVED 1	REQUIRED 1
DISAPPROVED 2	

RELICENSING REPORT

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APPLICATION NO. **000 5752 10**

PROPERTY IN **WATER QUALITY** ZONE

ON LAKE **BUCHANAN**

CO. **LLANO**

SUBDIVISION

INDIAN HILLS

SECTION

BLOCK

LOT **491**

OR OTHERWISE DESCRIBED

ROBERT A. KASELL



DATE 15 MAR 83

APPLICATION NO. 5752 ELECTRIC METER NO. _____

1. SURFACING EFFLUENT? YES _____ NO ✓

2. WASTE WATER IN YARD? NO SOURCE _____

3. SYSTEM OR HOUSE RECENTLY ENLARGED NO

4. COMMENTS NO PROBLEMS

INSPECTOR

W. H. W. W. W.

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Date 4-11-80

APPLICATION NO. 5752.10

NAME [REDACTED]

██████████ ZONE

WATER QUALITY ZONE X

APPROVED X - Commercial

DISAPPROVED

PERCOLATION TEST ()

COMMENTS OR CHANGES ON APPLICATION _____

LICENSE FROM: 4-3-80 TO: ---

H. M. Locker, Supervisor
Water Quality Department

INSPECTION REPORT CODES

INSPECTION LICENSING		REINSPECTION	
NOT MADE	0 UNAPPROVED	0 NOT REQUIRED	0
MADE	1 APPROVED	1 REQUIRED	1
	DISAPPROVED	2	

NEW INSTALLATION INSPECTION

Application No. _____

ON-SITE PRIOR TO INSTALLATION

DATE: _____

1. Soil Condition
 - a. Rocky
 - b. Gravel
 - c. Sand
 - d. Other
2. Slope in Area of Proposed Absorption Field
 - a. Flat (less than 1/8"/ft.)
 - b. Sloping (1/8" to 1"/ft.)
 - c. Steep (over 1"/ft.)
3. Evidence of Percolation Test in Proposed Absorption Area
Yes _____ No _____
4. Comment as to Suitability for Septic Tank System _____

FINAL INSPECTION

FINAL COMPLETE DATE: 4-3-80

Septic Tank

Date

1. Size of tank 500, 500 { Fiber glass } 500 installed 4-3-80
- ② Approved as Installed 2. 4-3-80
3. Modified by Owner/Installer and Approved by Inspector 3. _____
4. Disapproved (give reasons in comments) 4. _____
5. Other 5. _____

Disbribution Field

1. Size of field 1140 ft added 4-3-80
2. Zone 420
3. Distance of field to nearest shoreline 600'±
4. Approved as Installed 4. 4-3-80
5. Modified by Owner/Installer and Approved by Inspector 5. _____
6. Disapproved (give reasons in comments) 6. _____
7. Other 7. _____

Comments: (Include As-Built Drawing) Modification in compliance with
T.D.W.R. Rules and State Dept of Health construction Standards.

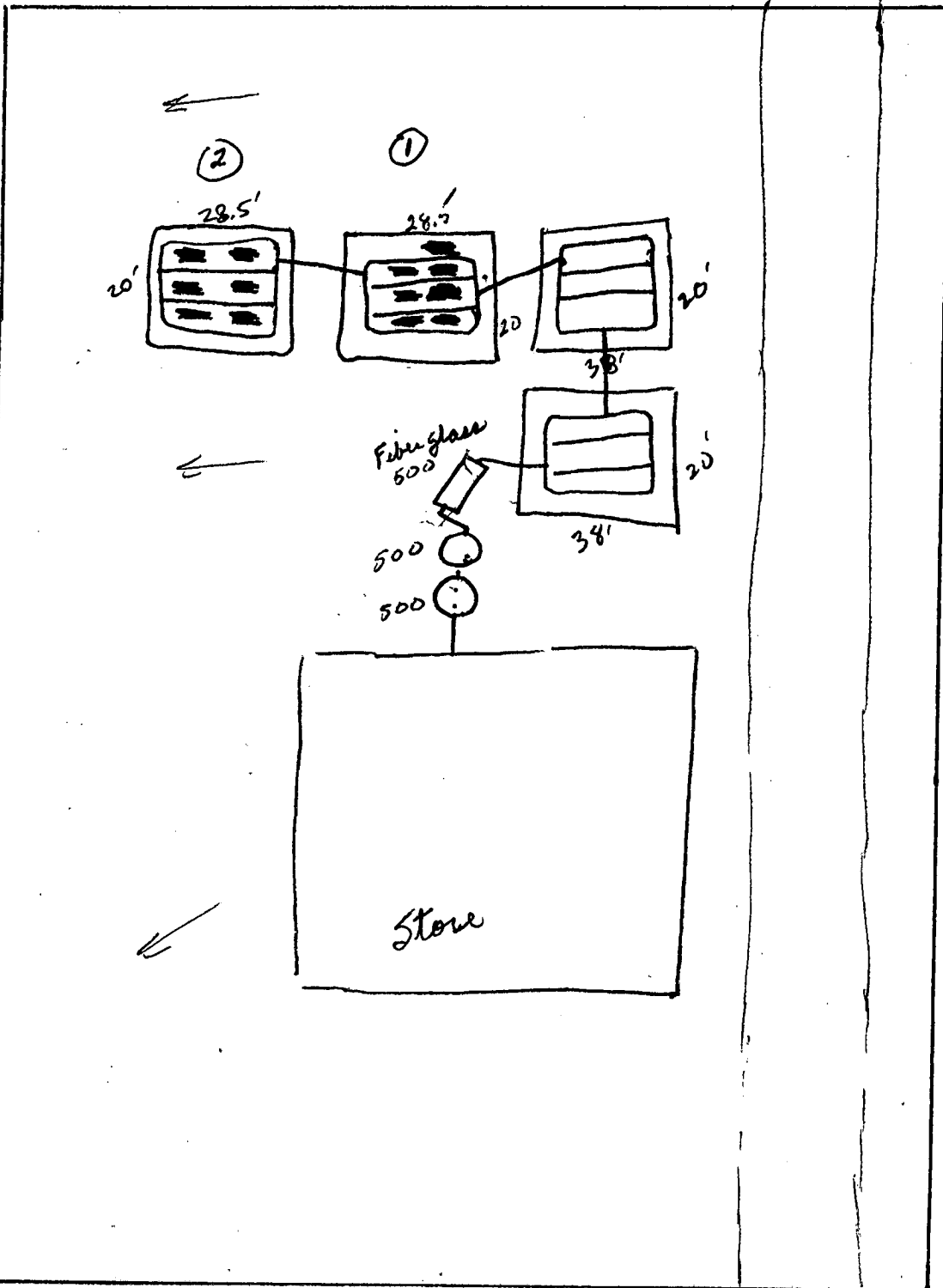
- ① Ab Bed #1
- ② 570
- ③ Rock Dow #1 sandwich
- ④ Sand clean
- ⑤ approved 3-19-80

F.M.

1431

#5752

- ③ Ab Bed #2
- ④ 570
- ⑤ Dow #1
- ⑥ Clean sand
- ⑦ approved 4-3-80
- Installed by El Maxwell



Lake Shore Drive S.H. 261



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 AC 512 474-5931

November 27, 1979

Mr. Robert A. Kassell

Dear Mr. Kassell:

(Mod.)

Re: Application No. 5752.10, Lake Buchanan, Indian Hills Store, Lot 491

A review of the proposed design of the septic system referenced above shows that it meets the requirements of the Texas Department of Health Resources, and Texas Water Quality Board, with the exception of the following:

1. A minimum total capacity of a 350 gallon new septic tank to be used in series with the two-500 gallon existing tanks is required for this system.
2. A minimum of 1,010 square feet of absorption area in addition to the 1,520 square feet of existing field area will be required for this system.
3. Sandy loam backfill required.

You may proceed with the installation under these terms as shown on the attached Form 1108, Construction Permit.

Sincerely,

Burt Carter

Burt Carter, Technician
Water Quality Department

BC:CH:bw

Attachments

cc: ~~Septic Tank Installer~~
✓ Water Quality Field Technician

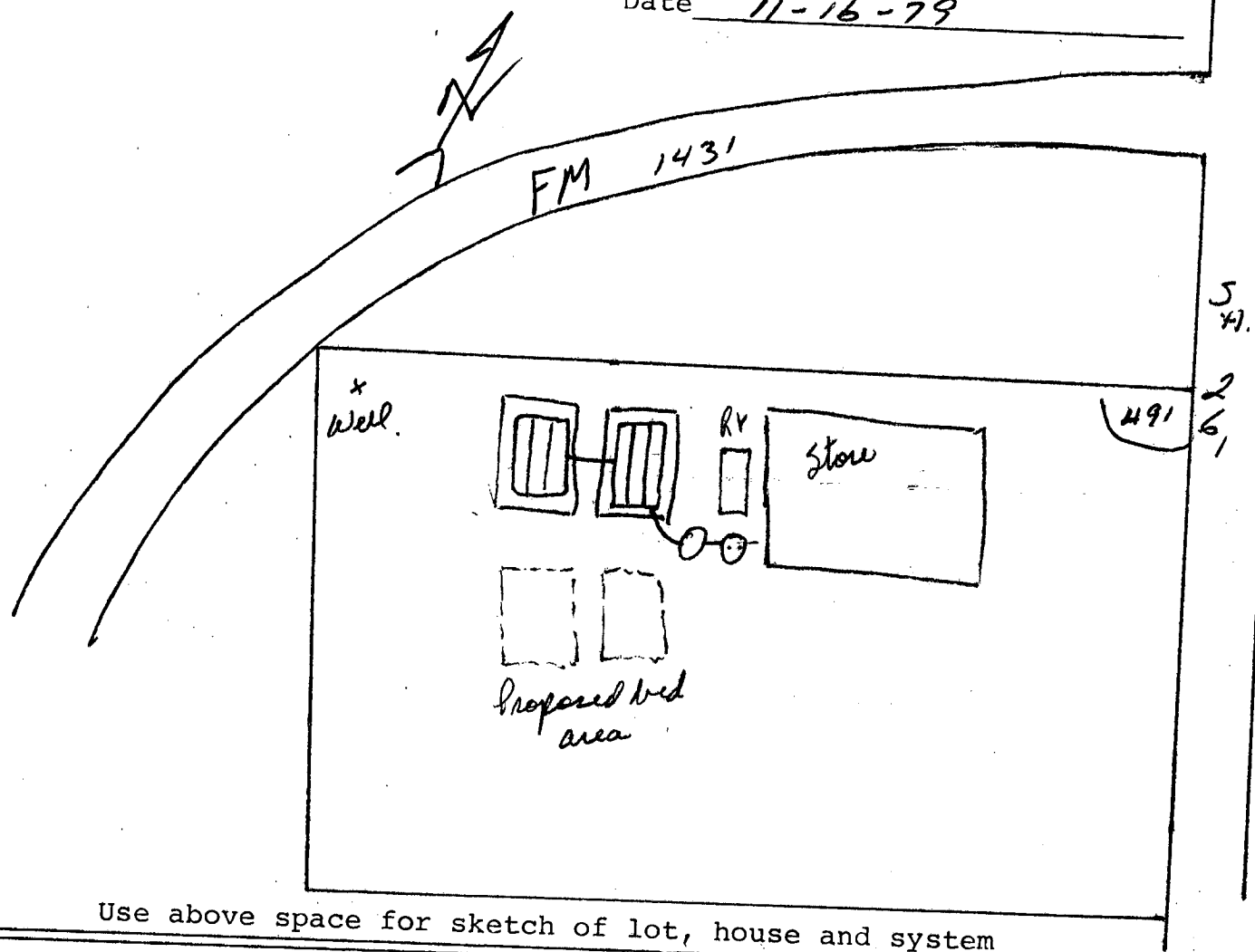
PERCOLATION TEST REPORT

Maddox

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Application No. 5252.10

Date 11-16-79



Use above space for sketch of lot, house and system

1. System is in WQ zone; 250+ feet to lake
2. Wells within ¹⁰⁰~~150~~ feet? yes on property. Locate on sketch
3. Soil conditions granite gravel and clay
4. Is proposed location approved? yes
5. Ground level? 8" to 1" / ft.
6. Special remarks and conditions Sandy loam backfill required.
Two absorption of equal area required

5752.10

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$$A = \frac{3Q}{R_a} = \frac{3 \left[\overset{\text{customers}}{(35 \times 15)} + \overset{\text{grd each customer}}{150} \right]}{.8} = \frac{3(675)}{.8}$$

$$A = \frac{2025}{.8} = 2531.25 \text{ ft}^3$$

$$A = 2531.25 \text{ ft}^3 \text{ less existing } 1520 \text{ ft}^3$$

$$A = 1011 \text{ or } \frac{1010}{560} \text{ ft}^3 \text{ req'd.}$$

560 ft³ trench

Tank Sizing:

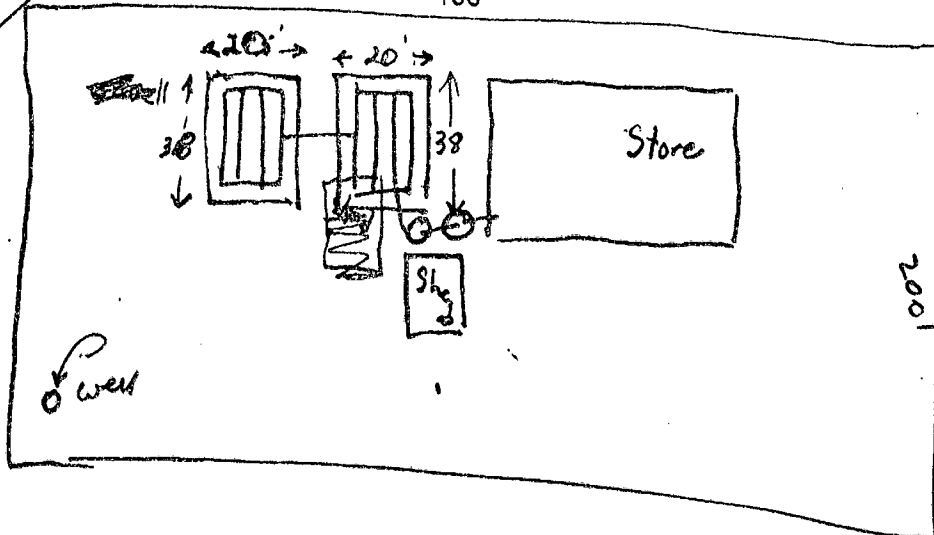
675 gals./day $\times$ 2 days = 1350 gals.
 2 - 500 gal. tanks existing; therefore a
 minimum of 350 gals. of tank is
 required.

11-27-79

App # 5752.10

F.M. 1431

±400



S. H. 261

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Notes

(1) Septic Tanks: 2 - 500 Gal Conc (Centex)

(2) Absorp Beds: #1 20' x 38' = 760 sq

$$\#2 \ 20 \times 38 = \frac{760}{1520}$$

(3) Rock: Dow #1

(4) Sand: Clean lake

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PROPOSED NEW SEWAGE SYSTEM DESIGN AND SPECIFICATIONS

Lot # 491

Location CORNER OF FM 1431 & S.H. 261 Application No. 5752.10 (Mod.)
(Subdivision, Lot No., Lake)

Property

Owner: KASSELL, ROBERT A.
(Name)

[REDACTED ADDRESS]
(complete mailing address)

Installer: WILLIE M. GOBLE 384 SANDY MTN. DR. CLARK RT. LLANO, TX. 78643
(Name) (complete mailing address)

SEPTIC TANK INFORMATION:

EXISTING TANKS 1. 500 GAL 2. 500 GAL

1. Capacity of each tank (gallons) (1) 500 (2) 350 gallons minimum
2. Type of tank:
() Fiberglass, give manufacturer _____
(X) Precast concrete, give manufacturer CEN TEX
() Concrete Poured-In-Place, give dimensions
(Wd) _____ ft. x (Lg) _____ ft. x (Dp) _____ ft.

IF NON-RESIDENTIAL, ATTACH CALCULATIONS FOR SYSTEM LOADING AND CONDITIONS.

EXISTING ~~2 755 SQ FT ABSORPTION BEDS~~ 2 755 SQ FT ABSORPTION BEDS

ABSORPTION FIELD INFORMATION: SIZE REQUIREMENTS AS PER NEW STANDARDS (1-7-78)

Percolation rate used to calculate size of field 26-30 min./inch

Type of field: () Trench or ditch system; give size and number of lines.
(Wd) _____ in. x (Dp) _____ in. X (Lg) _____ ft.

Number of lines _____; Distance between _____ ft.

ADD 1500 SQ FT ABSORPTION BED, 750 SQ FT EA
() Absorption bed system: (Wd) _____ ft. x (Lg) _____ ft.

() Evaporative : Two beds (Wd) _____ ft. x (Lg) _____ ft.

Type Construction _____

Type Sealer _____

Sand-Wick Area (per bed) _____

MINIMUM SQUARE FEET REQUIRED IN ABSORPTION AREA

(To be filled in by LCRA, if different to size proposed) 1010 additional

Four-inch, PVC distribution pipe is required.

field area.
1500 sq wicking.

Clean gravel, size 1½" to 2½" is required. Clean river sand is required.

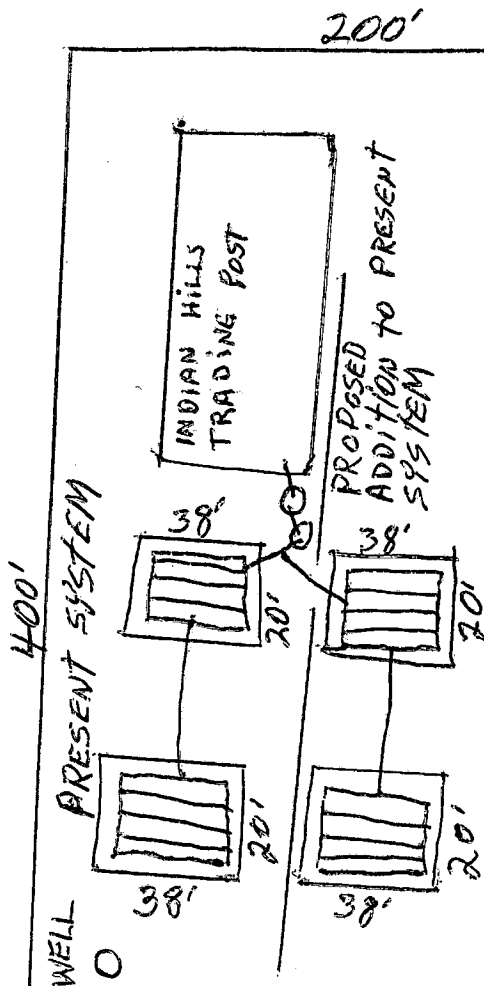
ON REVERSE SIDE, FURNISH SKETCH, SHOWING LOT AND DIMENSIONS THEREOF, WHERE YOU PROPOSE TO LOCATE THE HOUSE, TANK, AND THE ABSORPTION AREA, ALSO GIVE SPECIFIC DIRECTIONS TO LOCATE AND IDENTIFY PROPERTY. INCLUDE DISTINCTIVE MARKINGS YOU HAVE PLACED ON PROPERTY.

October 13, 1979

Robert A. Kassel
(Signature of Owner)

FM 1431

S. H. 261-



1. INSTALL STOP VALVES SO WATER CAN BE ALTERNATED BETWEEN PRESENT AND PROPOSED PITS
2. ADSOR. BEDS 20' X 38' = 760' EA. TOTAL 1520'
3. ROCK DOW #1
4. SAND CLEAN LAKE

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CONSTRUCTION PERMIT

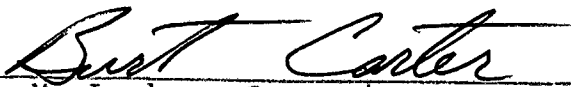
For New or Modified Installation of a Private Sewage Disposal System

As Required by Texas Water Quality Board Orders No. 74-1217-3 for Lake Travis;
No. 74-1217-4 for Lake Marble Falls; No. 74-1217-2 for Lake Lyndon B. Johnson;
No. 74-1217-1 for Lake Inks and No. 74-1217-5 for Lake Buchanan.

Issued to: _____ Application No. 5752.10 (Mod.)
Owner Robert A. Kassell Date November 27, 1979
Installer (Copy to) Willie Goble Expiration Date May 27, 1980

For proposed system as described in attached LCRA Form 1104, which design has been approved (either as originally received, OR with the changes required as shown in red), for the system to be installed at the location described in the application referenced above.

You are requested to notify the Water Quality Technician checked below at least 48 hours before you are ready to cover system with earth, so that the final inspection can be made. For the final inspection, the tank shall be in place, filled with water, all lines connected, rock and pipe in place and sand on the site. Before the system will pass final inspection, it must conform to the design and specifications as set forth on attached Form 1104.



H. M. Locker, Supervisor
Water Quality Department

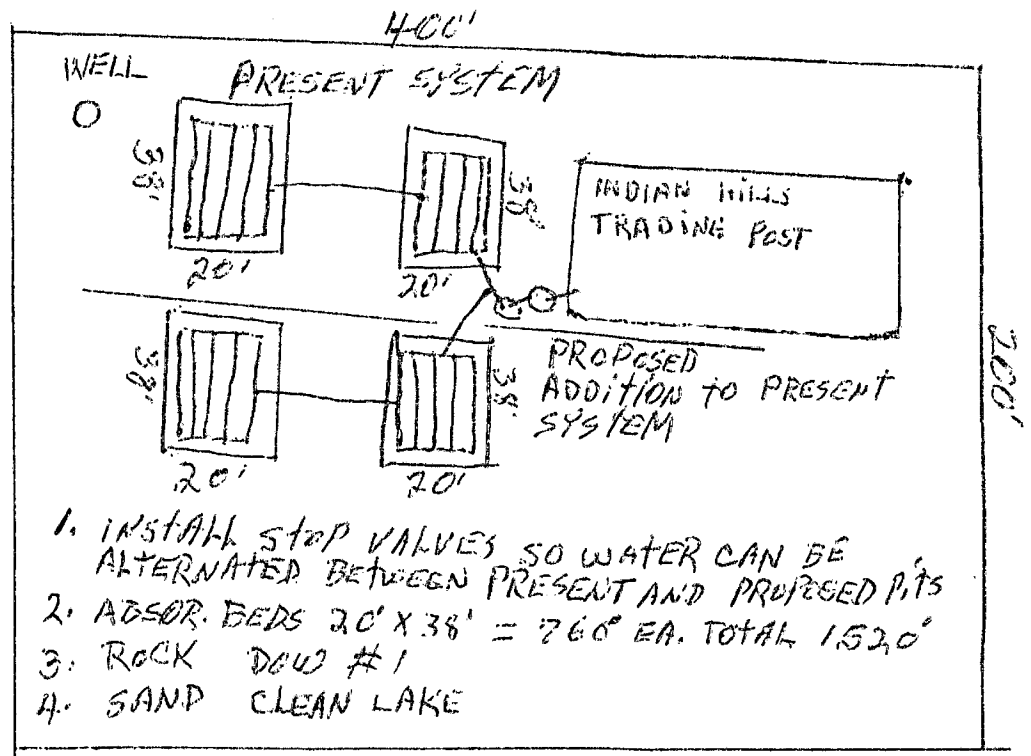
Water Quality Technicians:

Lake Travis and that portion of Marble Falls East of Highway 281.	() Burt Carter (SEE ATTACHED INSTRUCTIONS)
Remainder of Lake Marble Falls, Lake LBJ, Lake Inks and Lake Buchanan.	(X) XXXXXXXXXXXX Bill Maddox (SEE ATTACHED INSTRUCTIONS)

SPECIAL NOTE: This approval does not extend to the materials, workmanship or fabrication of the system, so as to express or imply the owner or installer of the system any warranty by or rights against LCRA as to quality or durability of the system nor compliance with the owner's individual specifications and requirements, but solely relates to the system meeting the requirements of the above named regulatory body in effect as of this date.

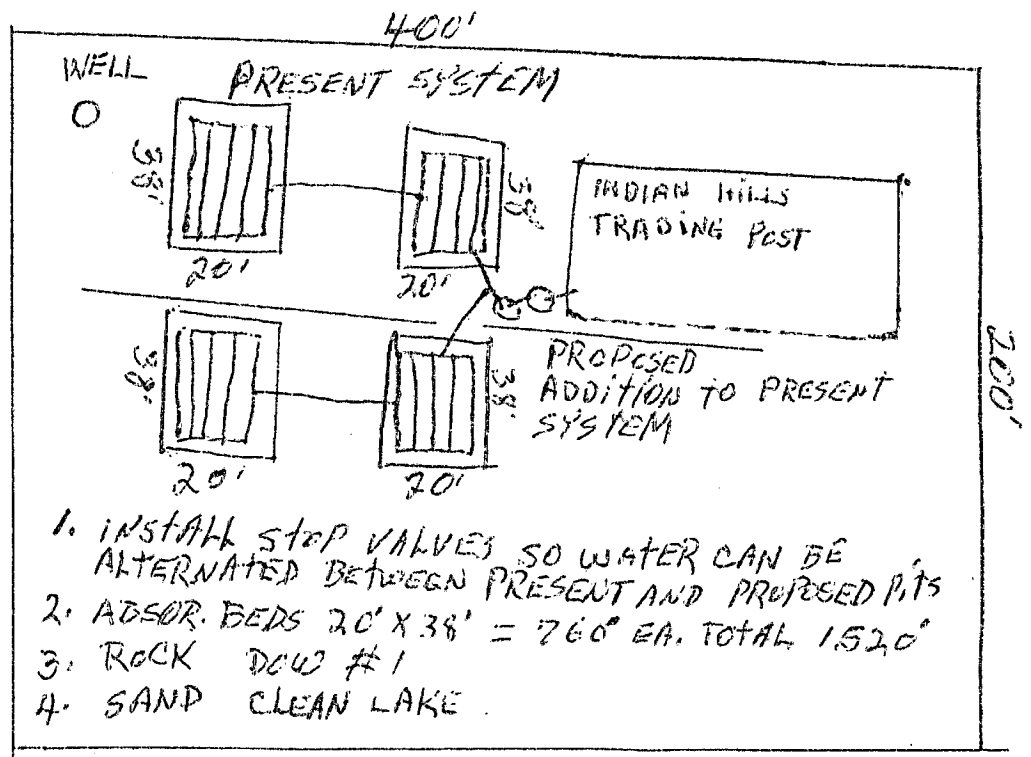
FM 14.31

46



FM 14.31

45



CONSTRUCTION PERMIT

For New or Modified Installation of a Private Sewage Disposal System

As Required by Texas Water Quality Board Orders No. 74-1217-3 for Lake Travis;
No. 74-1217-4 for Lake Marble Falls; No. 74-1217-2 for Lake Lyndon B.
Johnson; No. 74-1217-1 for Lake Inks and No. 74-1217-5 for Lake Buchanan.

Issued to: _____ Application No. 5752.10
Owner Robert A. Kassell _____ Date July 19, 1978
Installer (Copy to) L. T. Lockhart _____ Expiration Date Jan. 19, 1979

For proposed system as described in attached LCRA Form 1104, which design has been approved (either as originally received, OR with the changes required as shown in red), for the system to be installed at the location described in the application referenced above.

You are requested to notify the Water Quality Technician checked below at least 48 hours before you are ready to cover system with earth, so that the final inspection can be made. For the final inspection, the tank shall be in place, filled with water, all lines connected, rock and pipe in place and sand on the site. Before the system will pass final inspection, it must conform to the design and specifications as set forth on attached Form 1104.

H. M. Locker, Supervisor
Water Quality Department

Water Quality Technicians:

Lake Travis (South Side to Burnet County and North Side to Lohman's Crossing Road)	() Burt Carter (SEE ATTACHED INSTRUCTIONS)
Remainder of Lake Travis Lake Marble Falls Lake LBJ (North side to Station Creek; and South side to RR 2233)	() Edward Whitmore (SEE ATTACHED INSTRUCTIONS)
Remainder of Lake LBJ Lake Inks and Lake Buchanan	(X) Alvin Collins (SEE ATTACHED INSTRUCTIONS)

SPECIAL NOTE: This approval does not extend to the materials, workmanship or fabrication of the system, so as to express or imply the owner or installer of the system any warranty by or rights against LCRA as to quality or durability of the system nor compliance with the owner's individual specifications and requirements, but solely relates to the system meeting the requirements of the above named regulatory body in effect as of this date.

EVALUATION REPORT

Date Sept. 8, 1978

APPLICATION NO. 5752.10

NAME Robert A. Kassell

RESTRICTED ZONE _____

WATER QUALITY ZONE X

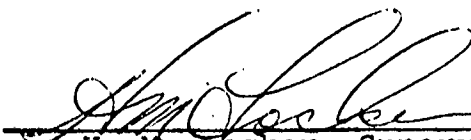
APPROVED X

DISAPPROVED _____

PERCOLATION TEST (X)

COMMENTS OR CHANGES ON APPLICATION _____

LICENSE FROM: 9-7-78 TO: 6-30-83


H. M. Locker, Supervisor
Water Quality Department

HML:jw

INSPECTION REPORT CODES

INSPECTION LICENSING	REINSPECTION
NOT MADE 0 UNAPPROVED 0	NOT REQUIRED 0
MADE 1 APPROVED 1	REQUIRED 1
DISAPPROVED 2	

Proposal

Page 1 of 1-page

PROPOSAL SUBMITTED TO:

DATE: August 28, 1978NAME: Robert A. KassellJOB NAME: Indian Hills Grocery StoreSTREET: STREET: Intersection of 1431 & #261CITY: CITY: Buchanan Dam,STATE: Texas 78609

STATE:

ARCHITECT:

DATE OF PLANS:

We hereby submit specifications and estimates for:

1. 2-500 gallon Septic Tanks (Concrete).
2. 2-755 square feet absorption beds (Total bed area 1510^{square}/feet).
3. Extra dirt from bed area will be dumped on lot in low area. ~~XXXXXX~~
4. Construction on above to begin within ten days from date of acceptance of this bid.

We hereby propose to furnish labor and materials — complete in accordance with the above specifications, for the sum of
Twenty Four Hundred----- dollars (\$ 2,400.00) with payment to be made as follows:

To be paid in full upon completion and approved by L.C.R.A.
Inspector.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance. Curtis & Pat Lewis

Authorized Signature *Curtis & Pat Lewis*

NOTE: This Proposal may be withdrawn by us if not accepted within _____ days.

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Accepted:

Date August 31, 1978Signature *Robert A. Kassell*

Signature _____



Lower Colorado River Authority

Post Office Box 220 Austin, Texas 78767 AC 512 474-5931

July 19, 1978

Mr. Robert A. Kassell

Dear Mr. Kassell:

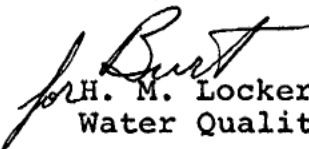
Re: Application No. 5752.10, Lot 491 Indian Hills

A review of the proposed design of the septic system referenced above shows that it meets the requirements of the Texas Department of Health Resources, and Texas Water Quality Board, with the exception of the following:

1. A minimum total capacity of a 1000-gallon septic tank; a two-compartment tank, or two 500-gallon tanks in series, will be required for this system.
2. A minimum of 1510 square feet of absorption area, two beds, will be required for this system. No single bed to exceed 1000 square feet.

You may proceed with the installation under these terms as shown on the attached Form 1108, Construction Permit.

Sincerely,


H. M. Locker, Supervisor
Water Quality Department

HML:HM:jw

Attachments

cc: Septic Tank Installer
✓ Water Quality Technician

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CONSTRUCTION PERMIT

For New or Modified Installation of a Private Sewage Disposal System

As Required by Texas Water Quality Board Orders No. 74-1217-3 for Lake Travis;
No. 74-1217-4 for Lake Marble Falls; No. 74-1217-2 for Lake Lyndon B.
Johnson; No. 74-1217-1 for Lake Inks and No. 74-1217-5 for Lake Buchanan.

Issued to:

Application No. 5752.10

Owner Robert A. Kassell

Date July 19, 1978

Installer (Copy to) L. T. Lockhart

Expiration Date Jan. 19, 1979

For proposed system as described in attached LCRA Form 1104, which design has been approved (either as originally received, OR with the changes required as shown in red), for the system to be installed at the location described in the application referenced above.

You are requested to notify the Water Quality Technician checked below at least 48 hours before you are ready to cover system with earth, so that the final inspection can be made. For the final inspection, the tank shall be in place, filled with water, all lines connected, rock and pipe in place and sand on the site. Before the system will pass final inspection, it must conform to the design and specifications as set forth on attached Form 1104.

H. M. Locker, Supervisor
Water Quality Department

Water Quality Technicians:

Lake Travis (South Side to Burnet County
and North Side to Lohman's Crossing Road)

() Burt Carter
(SEE ATTACHED INSTRUCTIONS)

Remainder of Lake Travis
Lake Marble Falls
Lake LBJ (North side to Station Creek; and
South side to RR 2233)

() Edward Whitmore
(SEE ATTACHED INSTRUCTIONS)

Remainder of Lake LBJ
Lake Inks and Lake Buchanan

(X) Alvin Collins
(SEE ATTACHED INSTRUCTIONS)

SPECIAL NOTE: This approval does not extend to the materials, workmanship or fabrication of the system, so as to express or imply the owner or installer of the system any warranty by or rights against LCRA as to quality or durability of the system nor compliance with the owner's individual specification and requirements, but solely relates to the system meeting the requirements of the above named regulatory body in effect as of this date.

PERCOLATION TEST CERTIFICATION

Date July 17, 1978 APPLICATION NO. 5752.10Location: (Subdivision) Indian Hills

(Section)

(Block)

491
(Lot)

If other than Subdivision _____

Owner: Kassell, Robert H.

Installer: _____

Test Performed by: Whitmore

Number of Systems Proposed: _____

Average Percolation Rate (Minutes Per Inch) 40

Time in minutes for water to fall one inch for each hole:

Hole No. 1 40 No. 2 40 No. 3 _____ No. 4 _____I, Edward P. Whitmore, a registered Sanitarian,
(Name) (Engineer/Sanitarian)

of the State of Texas, do hereby certify that the information shown hereon represents the results of percolation test performed under my supervision in accordance with the requirements specified in the Texas Department of Health Resources Construction Standards for Private Sewage Facilities.

Edward P. Whitmore
(Signature)

1113
Texas Registration Number

NEW INSTALLATION INSPECTION

Perc. Test: 7/17/78
Rate: 40 min/in³²

Application # 5752.10 (Mod)

ON-SITE PRIOR TO INSTALLATION

DATE: 7/13/78

1. Soil Condition

- a. Rocky
- b. Gravel
- c. Sand
- d. Other

2. Slope in Area of Proposed Absorption Field

- a. Flat (less than 1/8"/ft.)
- b. Sloping (1/8" to 1"/ft.)
- c. Steep (over 1"/ft.)

3. Evidence of Percolation Test in Proposed Absorption Area

Yes _____ No _____

4. Comment as to Suitability for Septic Tank System

FINAL INSPECTION

DATE: 9/7/78Septic Tank

- 1. Approved as Installed
- ② Modified by Owner/Installer and Approved by Inspector
- 3. Disapproved (give reasons in comments)
- 4. Other

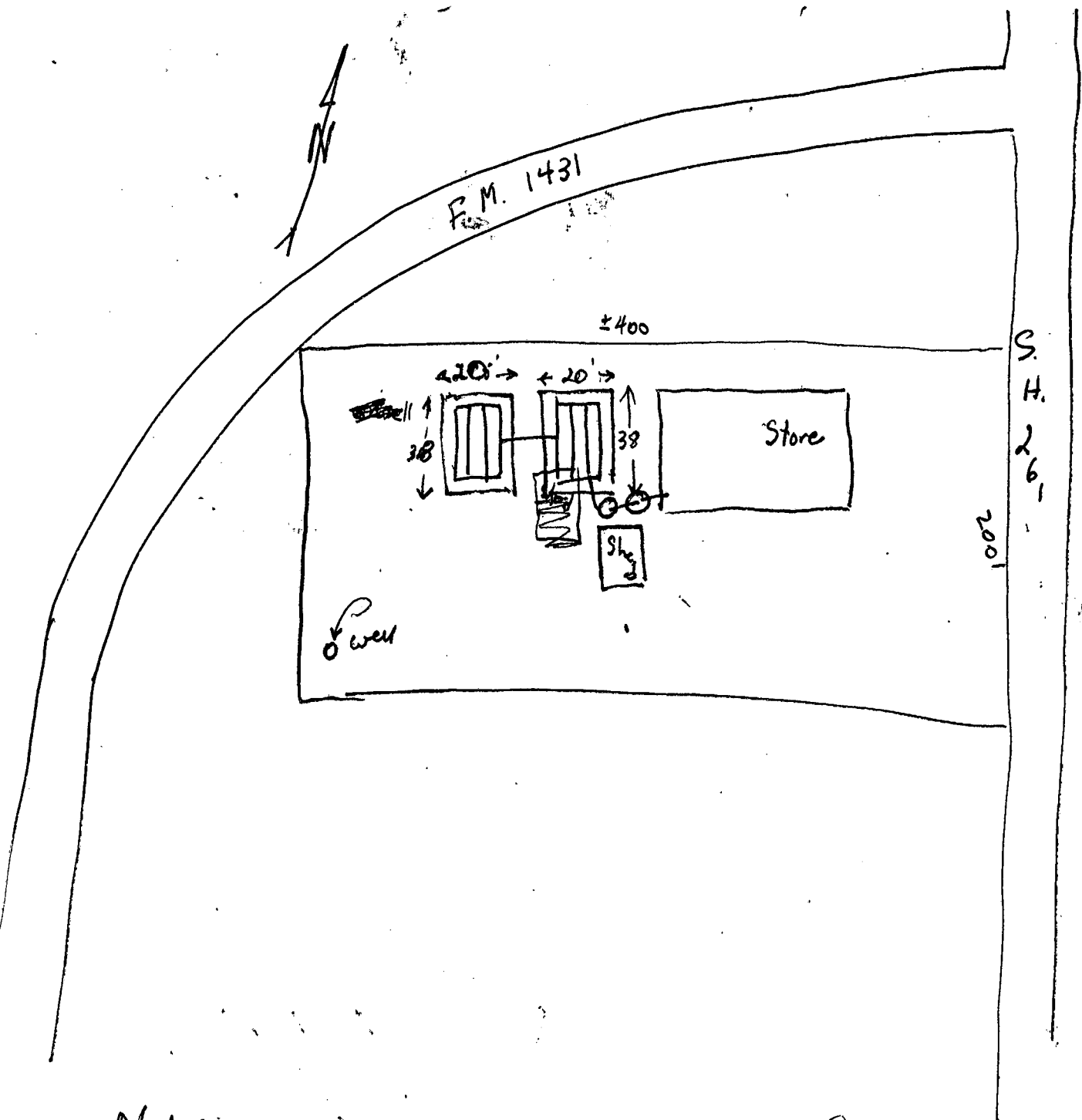
Septic Tanks
& Absorp. Beds were
re sited to locate
the system on same
lot as store

Absorption Field

- 1. Approved as Installed
- ② Modified by Owner/Installer and Approved by Inspector
- 3. Disapproved (give reasons in comments)
- 4. Other

Comments: (Include As-Built Drawing)

Sept inst per approved design
except as noted above & IAW D/H standards & LCRA Supp.
As-Built on Reverse



Notes: (1) Septic Tanks: 2 - 500 Gal Conc (Centex)

(2) Absorp Beds: #1 $20' \times 38' = 760'$

$$\#2 \ 20 \times 38 = \frac{760}{1520}$$

(3) Rock: Dow #1

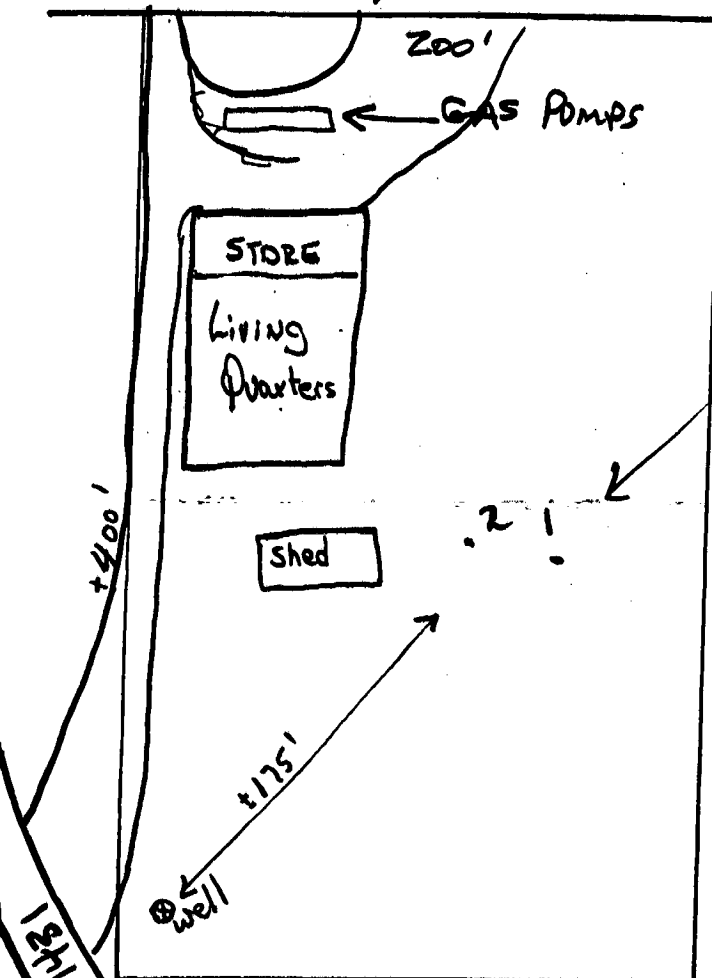
(4) Sand: Clean lake

PERCOLATION TEST REPORT

Lake Buchanan

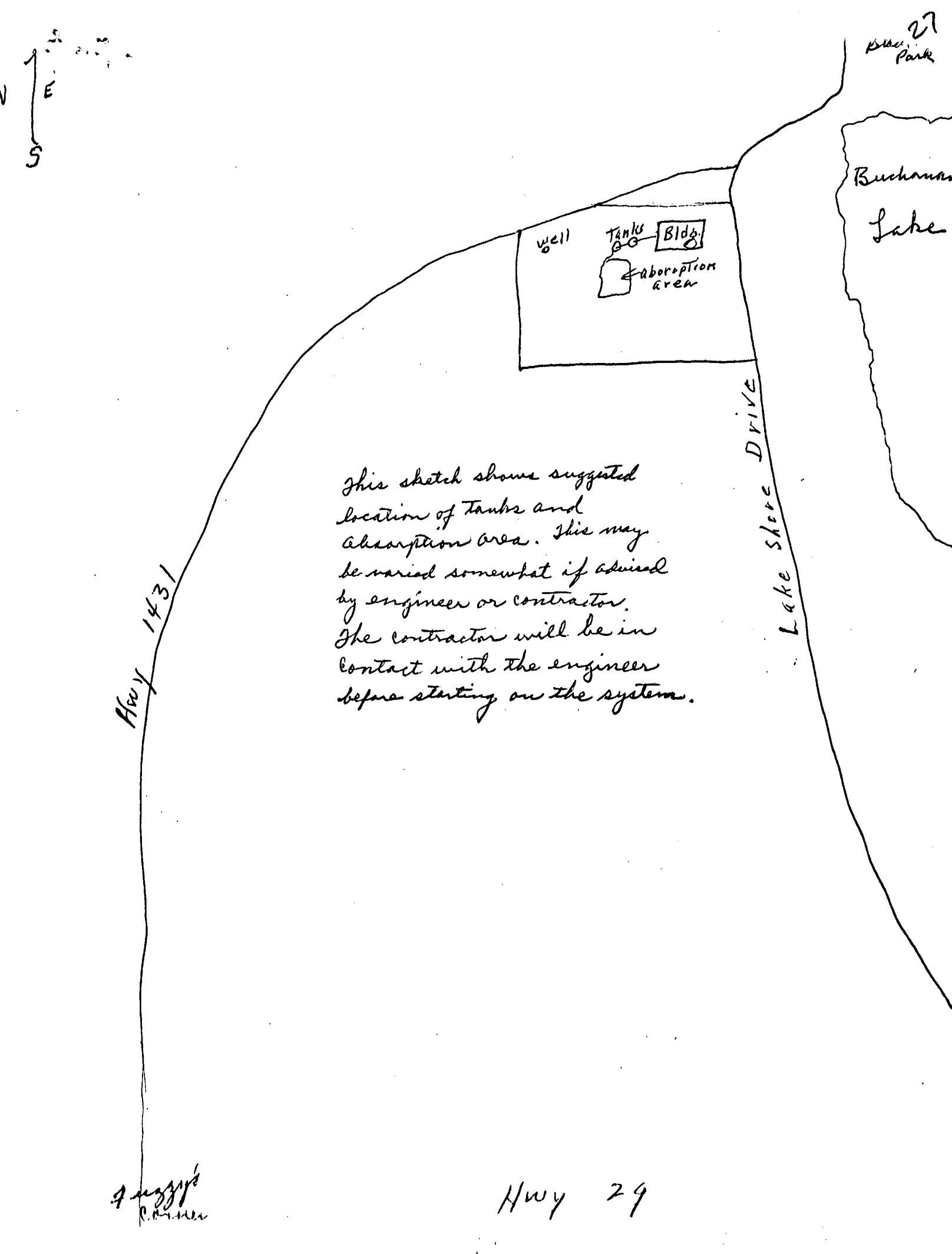
31

State Hwy. 261



Use above space for sketch of lot, house and system

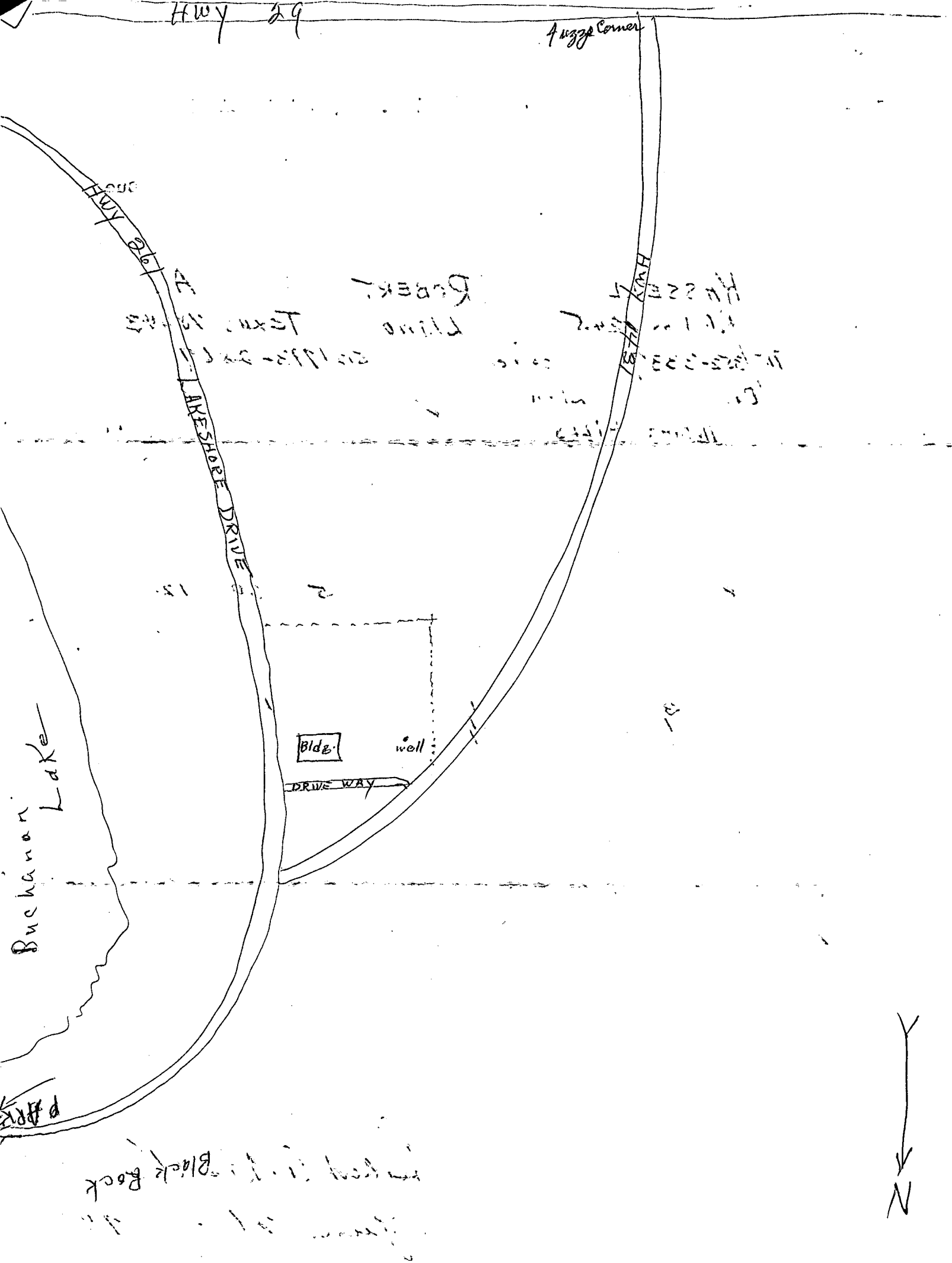
1. System is in Water Quality zone; ±250' feet to lake
2. Wells within 150' feet? None. Locate on sketch
3. Soil conditions granite gravel + clay mixture
4. Is proposed location approved? Yes
5. Ground level? OK
6. Special remarks and conditions Backfill material must be a sandy loam. System will store + living quarters, bathroom is for living quarters only. 2 tanks or 2 compartment tank required. 1510 ft required, two beds are required with NO one more than 1000 ft.



This sketch shows suggested location of tanks and absorption area. This may be varied somewhat if advised by engineer or contractor. The contractor will be in contact with the engineer before starting on the system.

Fuzzys
Corner

Hwy 29



RELICENSING REPORT

24

APPLICATION NO. 000 5752: 10

PROPERTY IN WATER QUALITY ZONE

ON LAKE BUCHANAN: CO. LLANO

SUBDIVISION

INDIAN HILLS.

SECTION BLOCK LOT 491

OR OTHERWISE DESCRIBED

ROBERT A. KASSELL



DATE 6/7/78

APPLICATION NO. 5752.10 ELECTRIC METER NO. G-7338

1. SURFACING EFFLUENT? YES Large area of surfacing effl. NO

2. WASTE WATER IN YARD? No SOURCE

3. SYSTEM OR HOUSE RECENTLY ENLARGED Probably - this is a store & living quarters.

4. COMMENTS Indian Hill store - has a small system in impervious soil. "L" shaped lateral going down slope, w/ tall grass & a large saturated & surfacing area over 15'/20' of lateral. Needs new system.

"D" System

INSPECTOR Collins

PRIVATE INDIVIDUAL SEWAGE DISPOSAL SYSTEM LICENSE

NO. 004497

AUTHORIZING FIVE-YEAR LICENSE
LOCATED IN WATER QUALITY ZONE ON LAKE BUCHANAN
SUB. INDIAN HILLS
DESCRIBED IN LICENSEE'S APPLICATION NO. 5752.10

APPLYING TO SYSTEM SERVING 1 SYSTEM
IN LLANO COUNTY
BLK. LOT 491 OR OTHERWISE

ACCEPTANCE OF THIS LICENSE CONSTITUTES AN AGREEMENT BY LICENSEE TO ABIDE BY THE TERMS AND CONDITIONS SHOWN ON THE REVERSE SIDE HEREOF.

ISSUED 06/30/73 TO:

VALID UNTIL 06/30/78

WILLIAM/E GREEN

This License is hereby
assigned to: Robert Kassell
as of Sept. 8 19 76

TEXAS WATER QUALITY BOARD

EXECUTIVE DIRECTOR

BY ITS AGENT

LOWER COLORADO RIVER AUTHORITY

ENVIRONMENTAL
DEPARTMENT MANAGER

Acceptance of this License constitutes an agreement by Licensee to abide by the following terms and conditions:

1. The system licensed hereby will be operated, maintained and serviced as required by all rules, regulations and guidelines now in effect and which may be placed in effect from time to time by the Texas Department of Health and the Texas Water Quality Board.
2. License is subject to renewal within 90 days of expiration date upon receipt of application on form to be provided and of necessary renewal fee, such renewal to be automatic if:
 - a. There is no showing of an unsatisfactory operation of system causing any public health problems;
 - b. There is no showing of seepage which could cause water pollution problems; and
 - c. There is no central sewage collection system line within 300 feet.If the system cannot be renewed on this basis, Licensee will be given a reasonable time to make required corrections, so that a renewal license can be issued.
3. This License is not transferable. Any other person acquiring title to the premises licensed herein must notify the Lower Colorado River Authority at the address shown below in writing within 30 days of a change of ownership, whereupon a license for the unexpired period will be issued.
4. The granting of this License shall not in any manner affect, impair, or interfere with any of the flood, flowage, and/or all other easement rights owned or possessed by the Authority over the same property involved hereunder, but said License shall be both subject and subordinate to said flood, flowage and/or easement rights.

LOWER COLORADO RIVER AUTHORITY
Attn: ENVIRONMENTAL DEPARTMENT
P.O. BOX 220
AUSTIN, TEXAS 78767

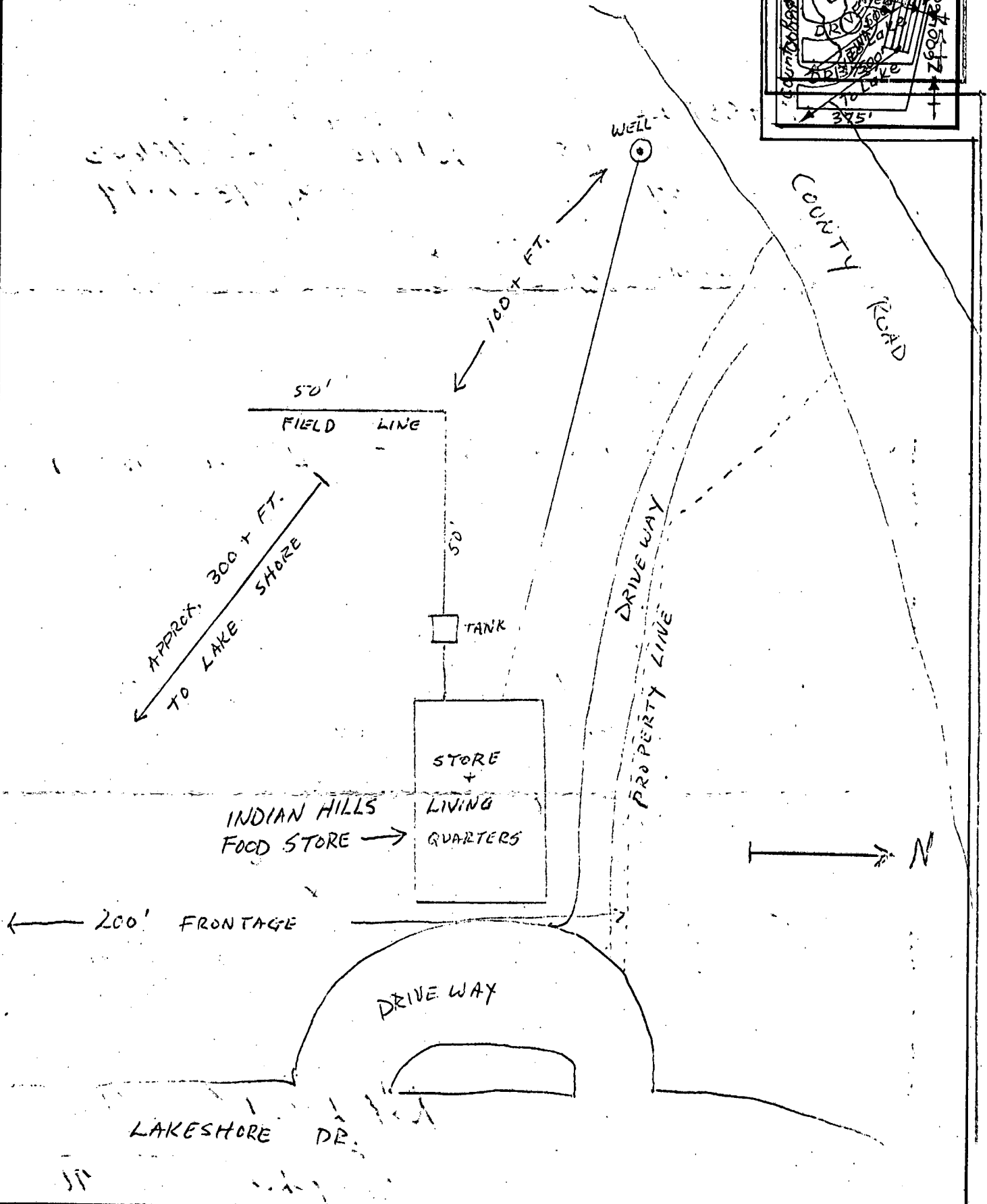
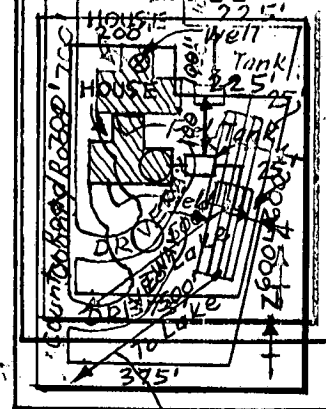
LAYOUT SPACE

For Property Outline, Size and Improvements Location.

In addition to other information requested on other side, please indicate.

1. Direction of North at property.
2. Direction and Distance from Field to nearest Lake Shoreline.

EXAMPLE



10-34
11-35

PRIVATE INDIVIDUAL SEWAGE DISPOSAL SYSTEM LICENSE

NO. 004497

AUTHORIZING

LOCATED IN WATER QUALITY ZONE ON LAKE
INDIAN HILLS

BUCHANAN

APPLYING TO SYSTEM SERVING

SEC.

IN

BLK.

DWELLING

LLANO

LOT 491

COUNTY

OR OTHERWISE

DESCRIBED IN LICENSEE'S APPLICATION NO. 5752.10

ACCEPTANCE OF THIS LICENSE CONSTITUTES AN AGREEMENT BY LICENSEE TO ABIDE, BY THE TERMS AND CONDITIONS SHOWN ON THE REVERSE SIDE HEREOF.

DUPLICATE

ISSUED 6/30/73 TO:

VALID UNTIL 6/30/78

ROBERT A. KASELL



TEXAS WATER QUALITY BOARD

A handwritten signature in ink, likely of the Executive Director.

EXECUTIVE DIRECTOR

BY ITS AGENT

LOWER COLORADO RIVER AUTHORITY

A handwritten signature in ink, likely of the Department Manager.

ENVIRONMENTAL
DEPARTMENT MANAGER

Green

Reinspection

F2 R1

15

EXISTING SYSTEM INSPECTION FORM

Residence _____

Reinspection

Date 22 Jan 73

Commercial X - Groc Store & Living Quarters

5752.10

Church _____

Inspector Collins
0830 - 0845

FIELD

1. Surfacing effluent
2. No surfacing effluent
3. Waste water into yard
4. Noxious odor present
5. _____

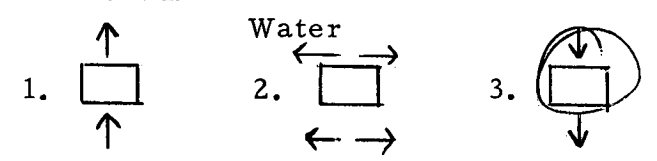
TANK

1. Septic
2. Cesspool
3. _____

SLOPE (area of field)

1. Flat (less than 1/4" per foot)
2. Sloping (1/4" to 1" per foot)
3. Steep (over 1" per foot)

SLOPE DIRECTION



SOIL (note in order of dominance)

1. Clay _____
2. Gravel _____
3. Sand _____
4. Caliche _____
5. Rock _____
6. _____

TRACER (results under comments)

1. Dye
2. Metal detector
3. Visual

RESIDENT RESPONSE

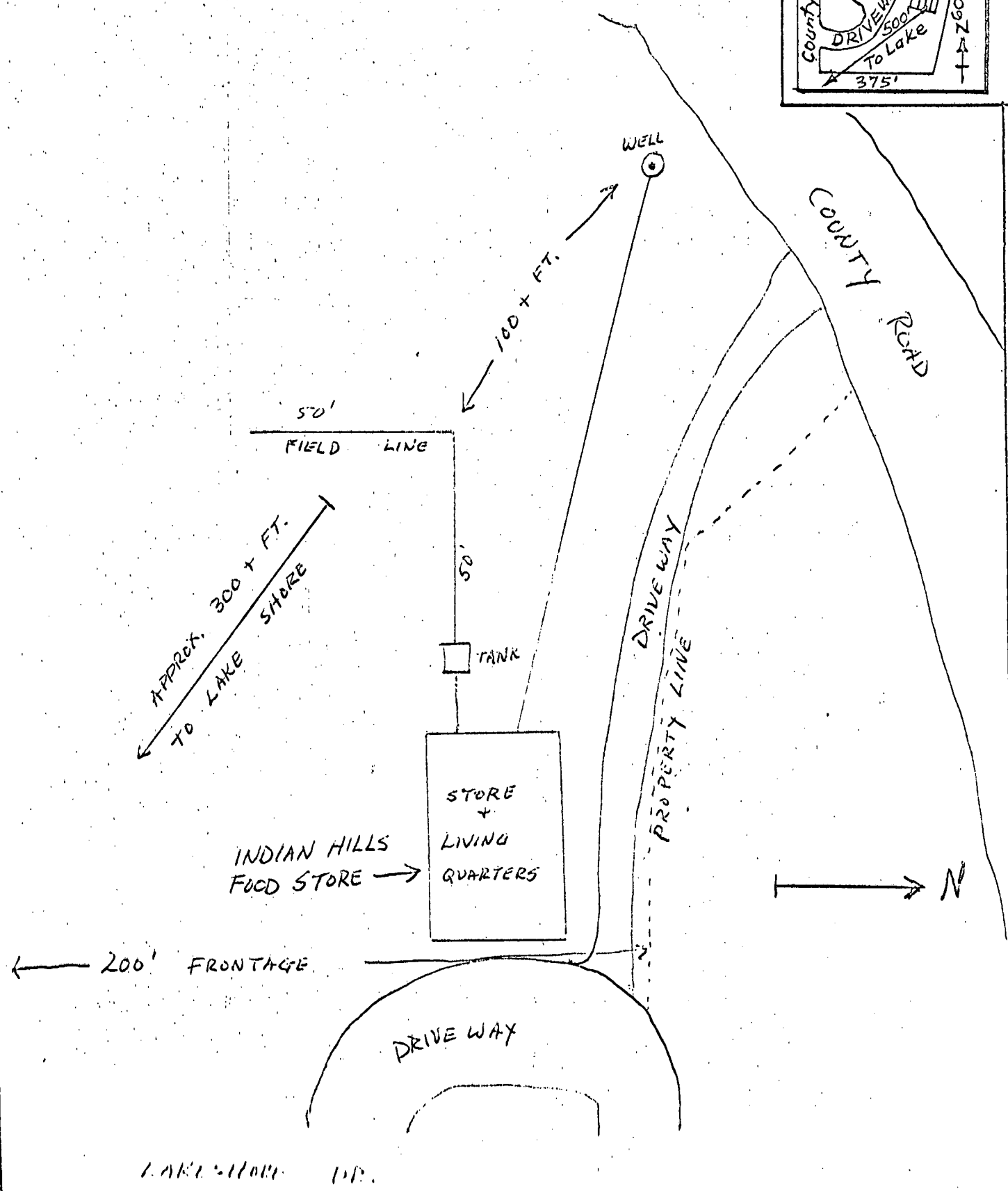
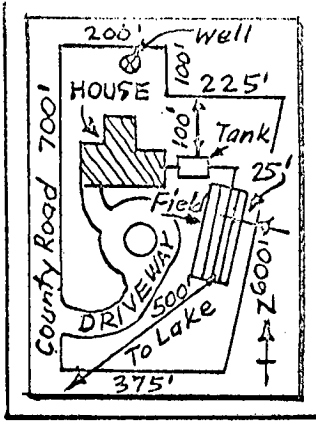
1. Not home, left card, made inspection.
2. Claims no previous trouble known.
3. Had system modified (date _____).
4. Inadequate for judgment on system's past performance.
5. Reports past trouble, no modification yet made.
6. _____

Approximate distance from field to lake 350'

COMMENTS: System appears to be operating adequately at this time & at present loading. A detailed scrutiny of the septic tank & absorption line area did not reveal surfacing effluent or excess moisture in the ground.

For Shape / Outline, Size and Improvements Location.

In addition to other information requested on other side, please indicate:
1. Direction of North at property.
2. Direction and Distance from Field to nearest Lake Shoreline.



EXISTING SYSTEM INSPECTION FORM

Residence ✓ - Perm } Combination
 Commercial ✓ - Groc. Store
 Church _____

Date 29 Nov 72# 5752100Inspector Collins
0845-0915FIELD

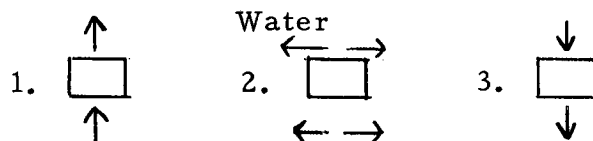
- ① Surfacing effluent
2. No surfacing effluent
3. Waste water into yard
4. Noxious odor present
5. _____

TANK

- ① Septic ? See notes below
2. Cesspool
3. _____

SLOPE (area of field)

- ① Flat (less than 1/4" per foot)
2. Sloping (1/4" to 1" per foot)
3. Steep (over 1" per foot)

SLOPE DIRECTIONSOIL (note in order of dominance)

- | | |
|----------------|------------------|
| 1. Clay _____ | 4. Caliche _____ |
| ② Gravel _____ | 5. Rock _____ |
| ③ Sand _____ | 6. _____ |

TRACER (results under comments)

1. Dye
2. Metal detector
3. Probe & Visual

RESIDENT RESPONSE

1. Not home, left card, made inspection.
2. Claims no previous trouble known.
3. Had system modified (date _____).
4. Inadequate for judgment on system's past performance.
5. Reports past trouble, no modification yet made.
6. New owner has not had experience with the system. He has some problem to get repaired: either a clogged tank outfall or choked drain field line

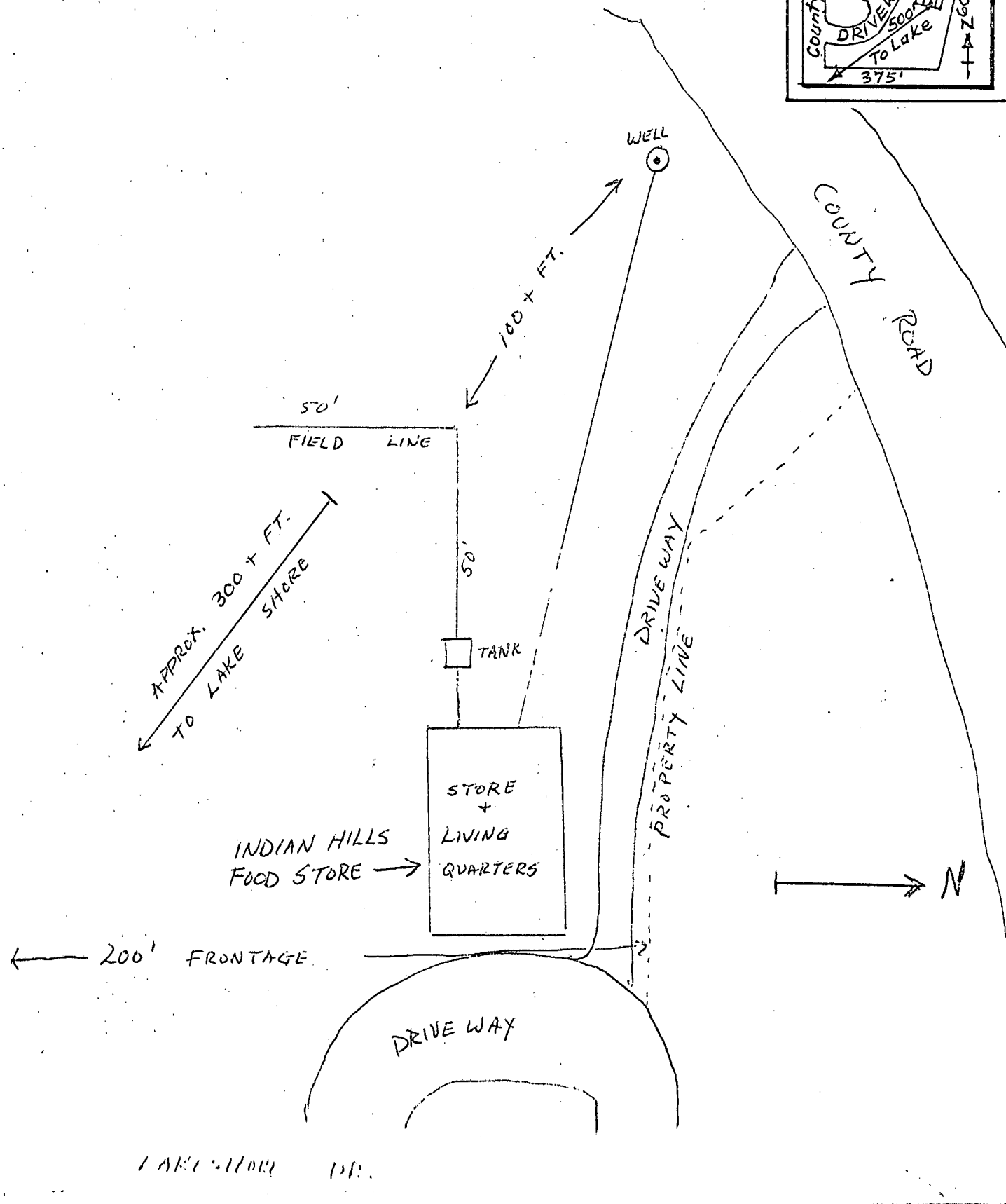
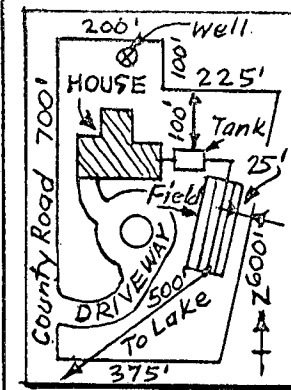
Approximate distance from field to lake 350'

COMMENTS: System is installed as shown on the sketch but it is not operating properly at this time. While probing for the tank water was observed bubbling from several holes in the probable tank location several more shallow holes were made & each filled & bubbled. The surrounding ground is wet & soft enough to rut 2-3" deep from a pick-up truck driving over the area. Owner was present during the inspection & intends to have immediate repairs made. Will follow up in 2 or 3 days

For Proper Outline, Size and Improvements Location.

In addition to other information requested on other side, please indicate:

1. *Direction of North at property.*
2. *Direction and Distance from Field to nearest Lake Shoreline.*



LAYOUT SPACE

For Property Outline, Size and Improvements Location.

In addition to other information requested on other side, please indicate:

1. Direction of North at property.
2. Direction and Distance from Field to nearest Lake Shoreline.

EXAMPLE

