



APPLICATION FOR A LIQUID WASTE PERMIT

POSTED

NMED Permit Number: TA070242 Permit Approved for 3 Bedrooms

NMED Inspection Required No Yes, Call 758-8808 for Appointment Date NMED Received: 7/3/07

SYSTEM OWNER'S NAME: Messina Thomas Last, First, MI Home Phone: Business Phone: Mailing Address: 6913 Runking Deer Ct. Granbury, TX 76049 SYSTEM LOCATION: 154 Gallina Canyon Valdez, NM, County:

Table with columns: SUBDIVISION, BLOCK, LOT, UNIFORM PROPERTY CODE, TOWNSHIP, RANGE, SECTION, QTR, QTR, LATITUDE, LONGITUDE

INSTALLER'S NAME & FIRM: BEAR'S EXCAVATION PHONE: 758-9316 Mailing Address: P.O. Box 3331 TAOS, NM 87571 CID License No./Certification: MM-1 MM-98 051935 MS-1 (MS-3) Homeowner

I. PERMIT APPLICATION A. Proposed Liquid Waste System is for: Replacement of an existing system Modification to an existing system B. Manufactured Housing (mobile) Yes No C. Proposed System is: Conventional Mound Holding Tank Evapotranspiration Other, Describe:

II. WASTEWATER SOURCES & DESIGN FLOWS IN GALLONS PER DAY (gpd) A. Proposed liquid waste system use and design flow: Single family residence with 3 no. of bedrooms Multiple family units: no. of units; no. bedrooms per unit Other (type) Flow sizing units B. Are there other sewage sources on this property? Yes No

III. SITE INFORMATION A. Lot Size: 2.00 Acres Date of Record: 12-4-2006 (nearest 0.01 acre) (Plat Date or Subdivision Date) TOTAL WASTEWATER FLOW ON PROPERTY - 375 gpd

B. Depth from Ground Surface to: Seasonal High Water Table 200 feet Bedrock, Caliche, Tight Clay 1 feet Gravel, Cobbles, Highly permeable soil 2 feet

C. Soil Description: (NMED may require both texture description and percolation rate) Texture: Coarse sand or gravel; (give percolation rate below) Sand; (give percolation rate below) Fine Sand Sandy Loam; Loam; Silty Loam; Clay Loam; Clay; Other; (describe)

D. Domestic Water Source: Private On-site Off-site; State Engineer Well Permit # Public Shared Name of Public Water System Irrigation Well or Flood Irrigated Area on the lot. Yes No

IV. SYSTEM DESIGN A. Treatment Unit Septic Tank Capacity 1000 Gallons Manufacturer: Ernest Plumbing Certification No. Other (specify):

B. Disposal System: Trench Bed Seepage Pit Mound Evapotranspiration Other, Specify: Materials Pipe and Gravel Gravelless (specify)

C. Minimum required absorption area 750 square feet Trench or Bed width 2 ft. Gravel depth below distribution pipe 3 ft. Total Trench or Bed length 100 ft. Number of trenches: 2 Number of gravelless units

D. Depth from ground surface to bottom of absorption area 5 ft.

V. **SITE PLAN:** Diagram the lot and liquid waste system. Show setbacks to the objects listed below within 200 feet of system and the direction of groundwater flow. Give distances from:

Treatment Unit to:	ft.	Property line	ft.	Disposal System to:	ft.
	140'	Property line	135'		
	45'	Property line	60'		
	15'	Buildings	15'		
	0'	Structures	0'		
	150'	Wells	120'		
	0'	Irrigation	0'		
	0'	Arroyos	0'		
	0'	Surface Water	0'		

Draw picture of system or attach a picture file

Please see attached Plan

VI. The foregoing information is correct and true to the best of my knowledge and understand that the issuing of this permit does not relieve me from the responsibility of complying with all applicable provisions of the New Mexico Plumbing Code and the New Mexico Liquid Waste Disposal Regulations. Obtaining this permit does not relieve me from the responsibility of obtaining any permit required by state, city or county regulation or ordinance or other requirements of state or federal law.

Signature: S. M. Ojeda Date: 7-2-07

Owner: \_\_\_\_\_ Contractor: X Other: \_\_\_\_\_

VII. **NMED PERMIT** A permit for construction of the liquid waste disposal system described herein is hereby:

Granted \_\_\_\_\_ Granted subject to conditions \_\_\_\_\_ Denied \_\_\_\_\_  
 Conditions: \_\_\_\_\_ Reasons for Denial: \_\_\_\_\_

Signature: William C. King Date: 7/3/07  
 NMED Representative: \_\_\_\_\_ Date: 7/3/07

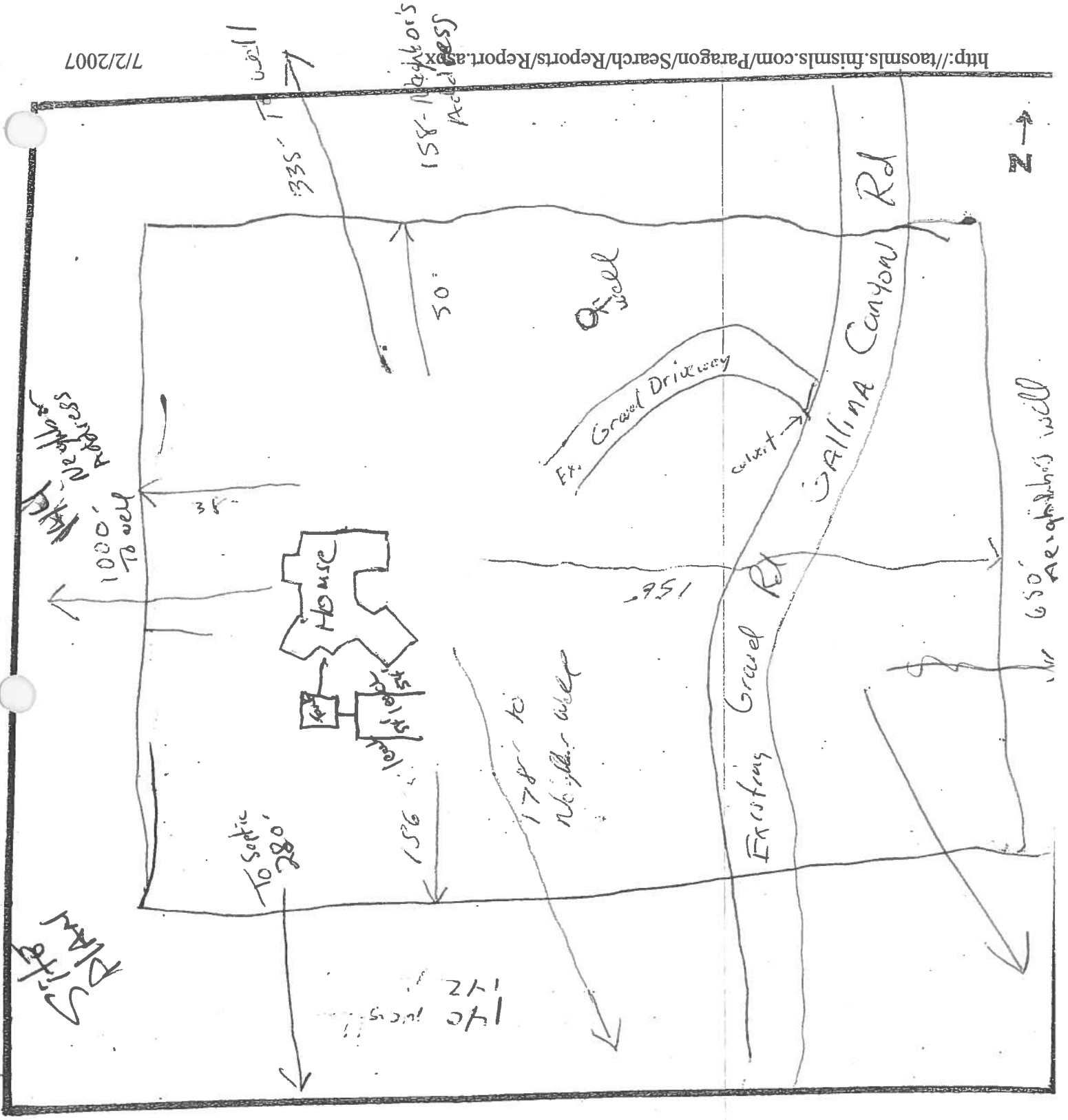
NOTE: This permit may be canceled for failure to meet any condition specified: failure to complete the system within one year; for providing inaccurate or incomplete information; or for failure to notify NMED that the system is completed. If you have questions call: \_\_\_\_\_

NMED Inspection History: SITE INSPECTION OK TO CORR WTK NMED Representative: \_\_\_\_\_ Date: 11/28/07

VIII. **NMED FINAL APPROVAL:**

The system described above \_\_\_\_\_ was \_\_\_\_\_ was not inspected.

Signature: William C. King Date: 11/28/07  
 NMED Representative



**INFORMATION REQUIRED ON SITE PLAN:** Name of Road, Drive-way location, Property Dimensions, Total Acreage, Location of proposed and existing structures, Utility easements, Location of well and septic tank; The location of lakes, rivers, streams, irrigation ditches, ponds and intermittent streams (arroyos). Show distances from all structures to property boundaries, show distances from your well location to all septic tanks within 1000 feet of your well. Show distances from your septic tank to all water sources, this includes neighborhood wells, lakes, rivers, ponds etc... show electrical line, either buried or overhead. Show gas lines; show the direction of water run-off. You must show addresses of all adjacent properties. **NOTE: The site plan does not have to be to scale, but it must be a fairly accurate description of your proposal.**



NEW MEXICO  
ENVIRONMENT  
DEPARTMENT

PERCOLATION TEST RECORD  
FOR INDIVIDUAL LOTS

OWNER'S NAME - Last, First and Middle: ROSSINA THOMAS  
 MAILING ADDRESS - Street/P.O. Box, City, State and Zip Code: 6913 RUNNING DEER CT GREENBURY TEXAS 76049  
 LOCATION OF PROPERTY: 154 Gallego Canyon

Test Hole Number 1: 36"  
 Test Hole Number 2: 40"

Time	Distance to Top of Water	Actual Water Level Drop	Depth of hole
3:00	6"	6"	36"
3:10	9"	9"	36"
3:20	11"	11"	36"
3:30	12 1/2"	12 1/2"	36"
3:40	13 5/8"	13 5/8"	36"
3:50	14 3/8"	14 3/8"	36"
4:00	15"	15"	36"
3:15	4"	4"	40"
3:25	6 1/2"	6 1/2"	40"
3:35	8 1/4"	8 1/4"	40"
3:45	9 3/8"	9 3/8"	40"
3:55	10 1/4"	10 1/4"	40"
4:05	11"	11"	40"
4:15	11 5/8"	11 5/8"	40"

Percolation rate = Time interval used, in minutes ÷ Last water level drop, in inches

Test Hole Number 1:  $\frac{10 \text{ minutes}}{16 \text{ inches}} = 0.625$

Test Hole Number 2:  $\frac{10 \text{ minutes}}{16 \text{ inches}} = 0.625$

Average:  $\frac{16}{16} = 1$  min/in

Test completed by: Steve M Araya - BEARS Excavator Date: 7-2-07  
 Owner  Contractor  Other-specify \_\_\_\_\_

Report reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_

N/R-Values Full 43416  
N/R-Values Taxable 14472  
N/R-Values Net 14472

Code ValueDesc Quantity Rate Full  
B81 N/R MISC 2.01 21600.00 43416

Year 2007 GERI2-5  
0 Centrl 43416 Full  
43416 Land 14472 Taxbl  
0 Impr 0 Exmpt  
0 P.P.  
0 M.H.  
0 Livstk  
14472 Net

Print=Y

Bottom

TAOS COUNTY  
KLAIRE S. MONTANO, CLERK  
000326459  
Book 581 Page 167  
1 OF 2  
12/06/2006 02:10:17 PM  
BY DLRWAD

**WARRANTY DEED**  
(Joint Tenants)

ERIC LOHAN, a single man, for consideration paid, grants to THOMAS, MESSINA and CHARLOTTE MESSINA, husband and wife, as joint tenants with rights of survivorship, whose address(es) is/are: 6913 RUNNING DEER COURT, GRANBURY, TX 76049, the following described real estate in Taos County, New Mexico:

**TRACT A**

A certain tract of land near Valdez, Taos County, New Mexico, located within Projected Section 30, Township 27 North, Range 13 East, NMPM, located within the Arroyo Honco Grant, described as being part of Tract 2, Map 17, Survey 4 of the 1941 Taos County Reassessment Survey; and more particularly described by metes and bounds as follows:

BEGINNING at the SE corner of this tract, from whence AP 3 of Exchange Survey No. 526, a brass cap monument, bears: N 51° 53' E, 11,609.1 feet distant thence;  
S 89° 50' W, 394.6 feet to a 1/2 inch rebar set, thence;  
S 00° 04' E, 221.0 feet to a 1/2 inch rebar found, thence;  
N 89° 48' E, 393.4 feet to a 1/2 inch rebar found, thence;  
S 00° 15' E, 221.2 feet to the POINT AND PLACE OF BEGINNING.

This tract contains 2.000 acres, more or less.

SUBJECT TO all matters shown on Exhibit A attached hereto, and made a part hereof;

with warranty covenants.

Witness my hand this date, December 4, 2006

By: [Signature]  
ERIC LOHAN  
Attorney in Fact

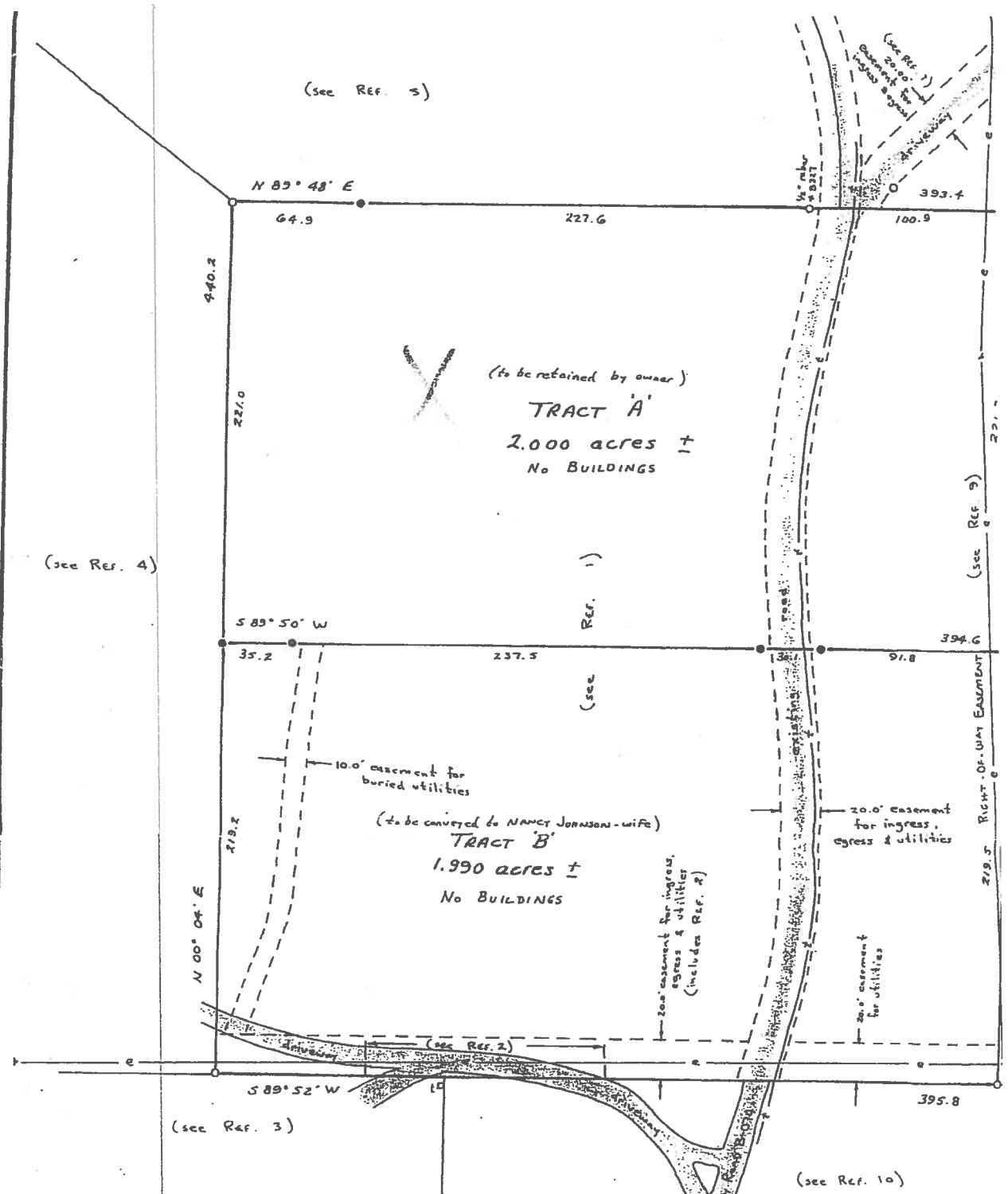
STATE OF NEW MEXICO

COUNTY OF TAOS

This instrument was acknowledged before me on December 4, 2006 by Eric Lohan, a single man, by John E. Lohan, his attorney.

Notary Public  
My Commission Expires: \_\_\_\_\_

OFICIAL SEAL  
MELINDA H. FERNANDEZ  
NOTARY PUBLIC-STATE OF NEW MEXICO  
My commission expires: \_\_\_\_\_



STATE OF NEW MEXICO )  
 COUNTY OF TAOS ) SS

This is a conformed copy of a plat  
 which was filed for record on the 10th of May  
A.D. 2004 at 3:44 o'clock PM per receipt # 01816  
 (provided as per request of CAHE)  
Sharron B. Paul  
 COUNTY CLERK & RECORDER

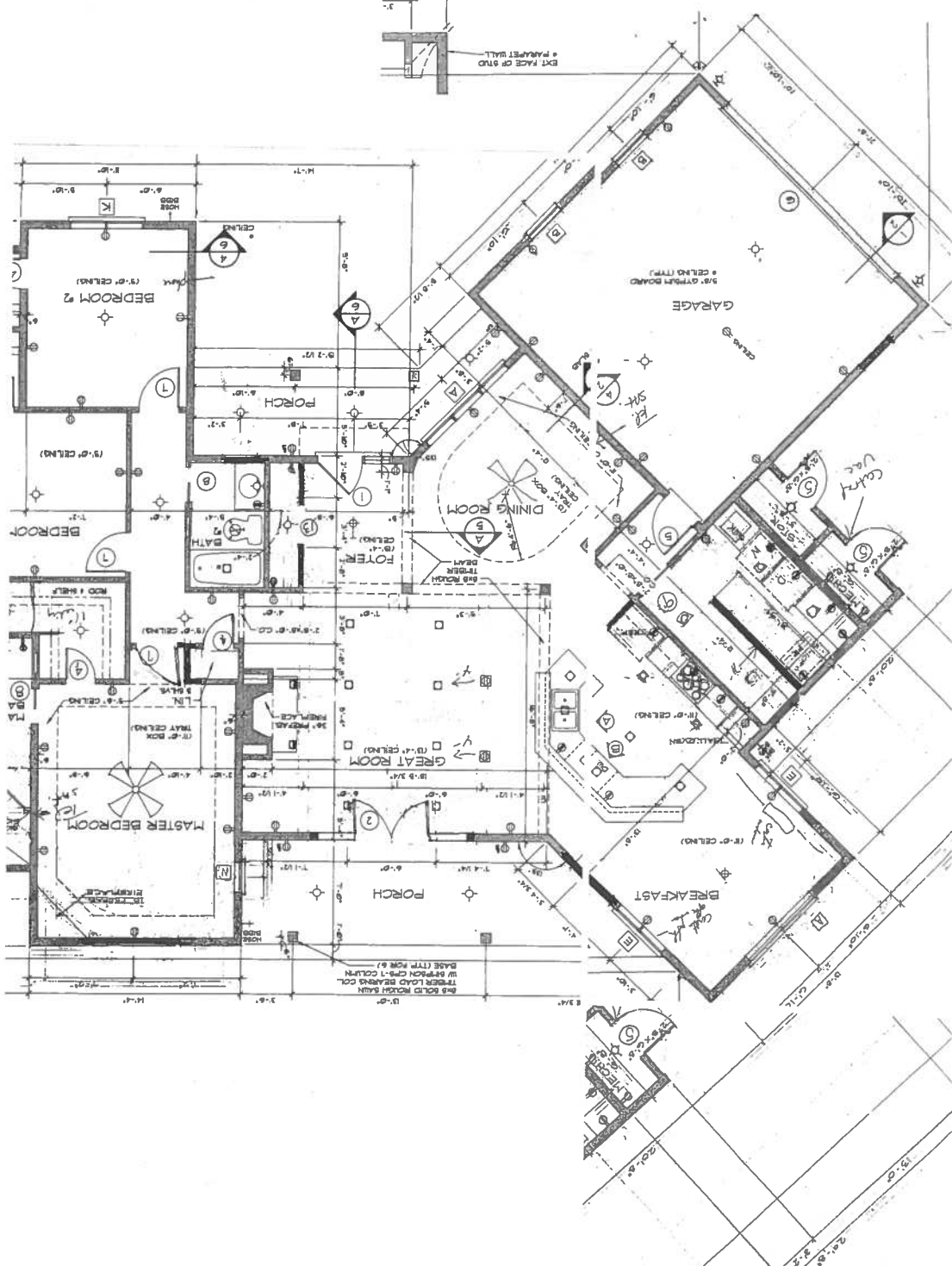
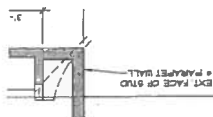
By [Signature] Deputy

**APPROVAL**  
 The Family Transfer shown on this plat is hereby approved. FT-018-04  
Edward L. [Signature] Licensed Planner



**CERTIFICATE**  
 I hereby certify that this plat is a representation 2004, with amendments if shown, and that it "Standards For Land Surveys In New Mexico Board of Registration for Professional Engineers"

A.M. O C+1







STATE OF NEW MEXICO  
ENVIRONMENT DEPARTMENT  
ENVIRONMENTAL HEALTH DIVISION  
ONSITE LIQUID WASTE SYSTEM INSPECTION



Revised 10/06

OK - If installed and meets Requirements  
N/I - Not inspected  
N/A - Not applicable  
N/C - Not Compliant  
N/V - Not Verified  
A/P - As Proposed  
N/T - Not Tested  
EX - Existing

NMED Permit No: TA070242

Applicant's Name Messina Thomas

Address 154 GALINDO CANYON

YARD 2

**1. BUILDING SEWER**

- a. Correct Size and Material 20.7.3.813 C
- b. Required Cleanouts Present. Installed Correctly & to Finish Grade 20.7.3.813.B
- c. Pipe at Correct Grade (1/8" to 1/4" per foot) 20.7.3.813.A

**2. PRE-TREATMENT**

- a. Type: \_\_\_\_\_
- b. Installed as per Plans or Manufacturer's Instructions 20.7.3.401.1
- c. Other: \_\_\_\_\_

**3. SEPTIC TANK / SEC./TERT. TREATMENT UNIT**

- a. Located as per Site Plan 20.7.3.401.1 1000 FRANST
- b. Correct Setbacks 20.7.3.302, Table 302.1
- c. Tank Certified; Correctly Labeled 20.7.3.501; 20.7.3.501.B.4
- d. Tank Correctly Oriented, Level & Depth Below Grade 20.7.3.501.J.7
- e. Inlet / Outlet Pipes Sealed & Watertight
- f. Inlet / Outlet Baffle or Tee with Branch Extending 12" Minimum Below Liquid Level
- g. Effluent Filter Installed, Riser to Grade
- h. Tank & Fittings Correctly Vented
- i. Concrete Tank: Coated & Material Correct OR Type V Concrete
- j. Outlet Pipe Correct Size & Material
- k. Manholes Correctly Sized & Located
- l. Manholes Risers at Grade, Diameter, Secure Lids & Coated
- m. Tank Installed per Manufacturer's Instructions
- n. Advanced Treatment Unit Installed per Manufacturer's Instructions
- o. Water Tightness Test Conducted
- p. Water Softener Discharge Bypassing ATU
- q. Other: \_\_\_\_\_

**4. SURGE, PUMP AND HOLDING TANKS**

- a. Correct Size
- b. Inlet/Outlet Sealed Correctly
- c. Pumps & Alarms installed on separate circuits, properly set and located
- d. Manholes, Risers, Lids Correct and Water Tight

**5. TEE/DISTRIBUTION BOX/HEADER**

- a. 4" Diameter
- b. Tee Level/Header
- c. "D" Box Level and on Concrete Slab or Stable Soil
- d. "D" Box Inlet Baffled and 1" Above Outlets
- e. "D" Box Outlets at Same Height, Equal Flow to Outlets
- f. Tee or "D" Located a Min. of 5' From Disposal Field.
- g. Other: \_\_\_\_\_

**6. DISPOSAL TRENCH OR BED**

- a. Trench  Chamber  Bed  Seepage Pit(s)  Other
- b. Soil Type Verified
- c. Correct Clearance to Ground Water or Limiting Layer

Additional comments: \_\_\_\_\_

**10. COMMENTS/VIOLATIONS**

- a.  Installation Approved
- b.  Installation Approved w/conditions (See Comments/Violations)
- c.  Installation Not Approved (See Comments/Violations)
- d.  Final Approval  Granted  Not Granted

**8. GIS COORDINATES**

- a. Well: lat \_\_\_\_\_ long \_\_\_\_\_
- b. Elev \_\_\_\_\_
- c. Sys: lat 36.54653 long 105.59658
- d. Elev \_\_\_\_\_

**7. ON-SITE WELL MEASUREMENTS**

- a. Nitrate-N: \_\_\_\_\_ (mg/L)
- b. Iron: \_\_\_\_\_ (mg/L)
- c. Fluoride: \_\_\_\_\_ (mg/L)

**Other Disposal Methods:**

- a. Type: \_\_\_\_\_
- b. Installed per Plans or Manufacturer's Instructions
- c. Other: \_\_\_\_\_

**9. COMMENTS/VIOLATIONS**

- a.  Installation Approved
- b.  Installation Approved w/conditions (See Comments/Violations)
- c.  Installation Not Approved (See Comments/Violations)
- d.  Final Approval  Granted  Not Granted

**10. COMMENTS/VIOLATIONS**

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- c.  Installation Not Approved (See Comments/Violations)
- d.  Final Approval  Granted  Not Granted

NMED Inspector: WJCKING

Date 11/28/07

I certify that this liquid waste system was installed in accordance with the permit in Comments Section above.

Installer, \_\_\_\_\_

Date \_\_\_\_\_