

CHAFFEE COUNTY ENVIRONMENTAL HEALTH

P.O. Box 699  
Salida, Colorado 81201

(719) 539-2124  
FAX: (719) 530-9208

APPLICATION FOR AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM (ISDS) PERMIT

DATE 5.1.07 PERMIT# 48661 FEE 150 - PD 4/5/07 6/2009

STREET ADDRESS: 18480 Ponderosa SUBDIV. 3 Elk SWANVISION

OWNER: L B Boruckan PHONE 395 6959

MAILING ADDRESS: 18480 Ponderosa Lane STATE Colorado ZIP CODE 81242  
PLEASE INDICATE IF PERMIT SHOULD BE MAILED TO OWNER AGENT: YES NO

INSTALLER: to be determined PHONE ( )

PERMIT IS FOR: NEW INSTALLATION? ( ) REPAIR ( ) ALTERATION ( ) ISDS DISCONNECTION ( )  
Install in-line 500g. tank as per hand drawings

LOT SIZE \_\_\_\_\_ BUILDING TYPE: RESIDENTIAL (X) COMMERCIAL ( )

WASHING MACHINE ( ) DISHWASHER ( ) GARBAGE DISPOSAL ( ) HOT TUB ( )

MAXIMUM **POTENTIAL** NUMBER OF BEDROOMS (INCLUDING FUTURE BEDROOMS) 6

BASEMENT WITH PLUMBING? YES PRIVATE WELL YES PUBLIC WATER SUPPLY \_\_\_\_\_

IS PROPOSED SYSTEM CLOSE TO ANY: 1. SURFACE WATER? \_\_\_\_\_  
2. MUNICIPAL SEWER LINES? \_\_\_\_\_

**A SCALED PLOT PLAN IS REQUIRED SHOWING PROPERTY LINES, ALL STRUCTURES, SLOPES, WELLS, UTILITY LOCATIONS, AND ANY EASEMENTS.**

*I certify that the information is correct and the sewage disposal system described in this permit will be installed in compliance with Chaffee County and the State of Colorado Regulations. I understand that I will be responsible for the operation, maintenance and performance of the individual sewage disposal system. In addition, I am aware that the issuance of this permit does not constitute assumption by the local health department or its employees of liability for failure of any individual sewage disposal system. This system and its running order is the sole responsibility of the owner. After this system has been inspected and approved by the inspector it shall be assumed that this system is in proper working order.*

OWNER OR APPLICANT SIGNATURE: [Signature] DATE: 5.1.07  
**FEE SCHEDULE AND INSTRUCTIONS ON REVERSE SIDE**

**FOR DEPARTMENT USE ONLY**  
PERC. RATE 2.1 SOIL DESCR. Gravelly/sand PERCENT SLOPE 50% -> 10%  
1,500 credit  
TANK: Need 2,000 ABSORPTION FIELD NA MAP# 316327100057  
Add 500 gallons  
FINAL APPROVED DATE 8-17-07 ENVIRONMENTAL HEALTH SPECIALIST Chata D. Croce  
7 trench

knock out first tank ball. Add 500 gallon tank in series to old tank & show pumpings

COUNTY HEALTH & SANITATION

(719) 539-2124  
FAX: (719) 530-9208

5263 *AP*

6 Bedroom  
Leachfield (BOTH combined)  
is Adequate, BUT Required  
ALTERNATING USE (4th of July)  
\* EVERY YEAR \*  
1750 Gall. Tank = 6 Bed  
1500 Gall. Tank = 5 Bed  
Add A 580 Gall. Tank  
In-Line

SEWAGE DISPOSAL SYSTEM PERMIT

DATE 12

3914

FEE 225<sup>00</sup>

LEGAL AC

SUBDIV. 3-EIK

OWNER:

PHONE 395-

MAILING

Buena Vista Colo - 81211

INSTALLER

PHONE 395-2093 + fax

DESIGN ENGINEER:

PHONE

N/H

PERMIT IS FOR: NEW INSTALLATION? ( ) REPAIR?  ALTERATION? ( )

LOT SIZE 5.5 Acres COMMERCIAL USE (YES OR NO) NO

USE OF BUILDING(S) Residential

WASHING MACHINE  AUTO. DISHWASHER  GARBAGE DISPOSAL  HOT TUB ( )

MAXIMUM POTENTIAL NUMBER OF BEDROOMS 5

BASEMENT WITH PLUMBING NO BASEMENT WITHOUT PLUMBING yes

WATER INFO.: A. PRIVATE WELL yes OTHER \_\_\_\_\_  
C. IS SYSTEM CLOSE TO ANY SURFACE WATER? \_\_\_\_\_

SCALED PLOT PLAN IS REQUIRED SHOWING PROPERTY LINES, ALL STRUCTURES, SLOPES, WELLS, UTILITY LOCATIONS, ANY EASEMENTS, SUBMIT SPECIFIC INSTRUCTIONS TO PROPERTY, PERCOLATION TEST AND SOIL PROFILE HOLE DATA WITH THIS APPLICATION.

TYPE OF SYSTEM PROPOSED: HA-36 or 2 Bed HT-10 Sidewinder

I certify that the information is correct and the sewage disposal system described in this permit will be installed in compliance with Chaffee County and the State of Colorado Regulations. I understand that I will be responsible for the operation, maintenance and performance of the individual sewage disposal system. In addition, I am aware that the issuance of this permit does not constitute assumption by the local health department or its employees of liability for failure of any individual sewage disposal system. Request for inspection will be required after installation of all pipe and gravel (prior to backfilling) unless otherwise specified by an engineer. The system must be properly protected from off-site drainage, vehicular traffic and livestock. This system and its running order is the sole responsibility of the owner. An as-built drawing must be provided to the Chaffee County Health Department prior to final approval. After this system has been inspected and approved by the Inspector it shall be assumed that this system is in proper working order.

OWNER OR APPLICANT SIGNATURE: [Signature] FOR L.G. Blackeen  
DATE: 12-10-01

FOR DEPARTMENT USE ONLY

PERC. RATE 12 mpi w/ 5ft SOIL DESCR. see att PERCENT SLOPE see attached

TANK: 1500 gals. LEACHFIELD 57 std beds MAP# 3163-27

FINAL APPROVED DATE 12-21-01 SANITARIAN Sherry Dunger  
FEE SCHEDULE AND INSTRUCTIONS ON REVERSE SIDE

L.G. Bickbeem

18780 Pomdenosa

Drawing

1/01/2001

18980  
Pomdenosa

0 well

5.5 Acres

590'

DRY TRENCH

625'

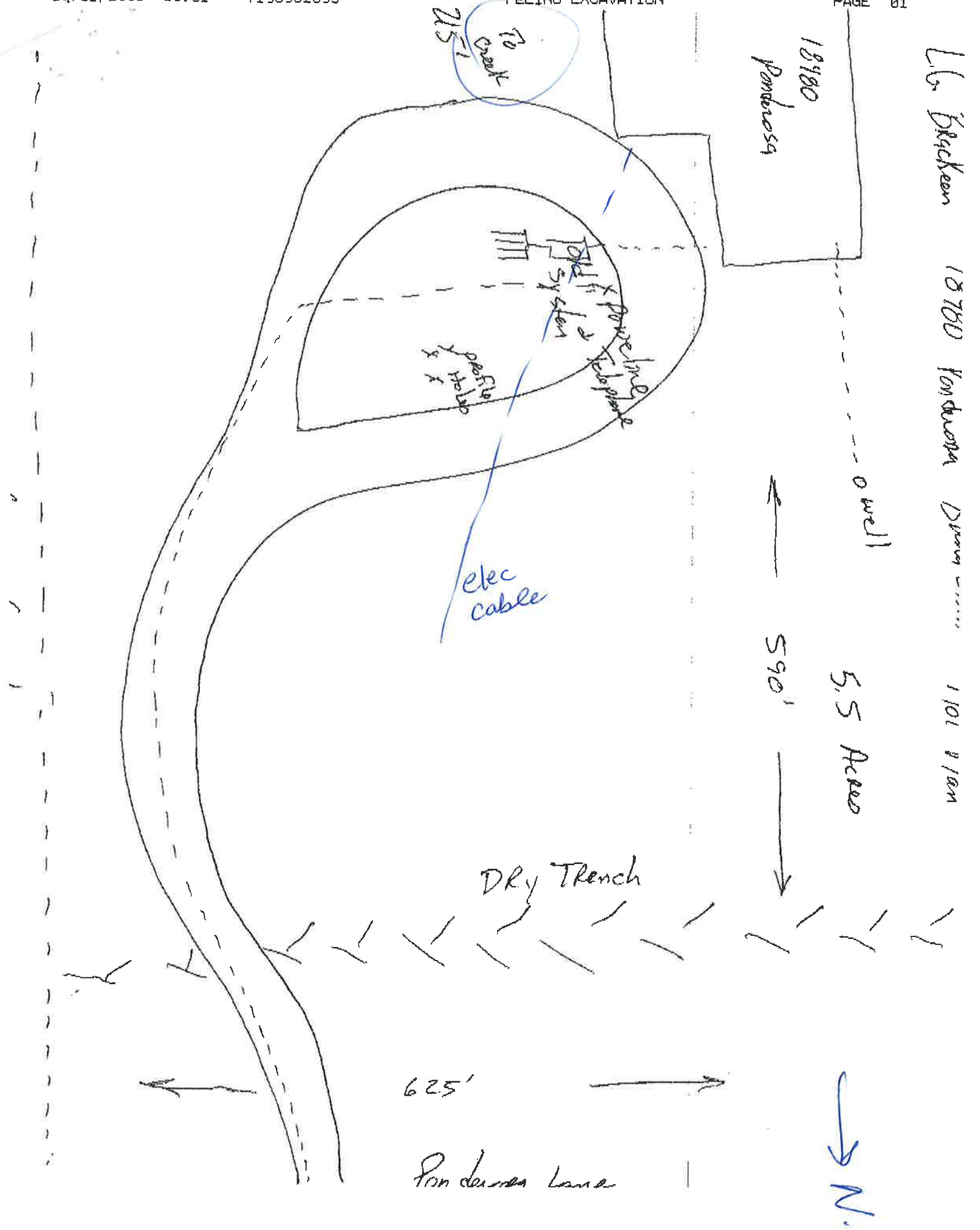
Pomdenosa Lane

N.

215  
To  
Creek

Water line  
Hydro pump  
Water system  
Water filter  
Hold up

elec  
cable



SITE EVALUATION

DATE: 12-11-01 LOCATION: 18480 Ponderosa

OWNER: Brackeen

Directions to Property:  Hwy 24 to W on 36th N on CR 361 to west on CR 368 to south on CR 368A 0.3mi to east on Ponderosa, go 1/2 block to drive to S. (to 3E1K) (sign on tree)

Approximate or Actual Perc Rate: 2.650 SF = 12mp

Design Flow Calculations: 750 T12 ÷ 5

Number of Bedrooms 5 X 150 gpd/bedroom = 750

Clothes washer  Dishwasher  Disposal  1.6

TOTAL . . . . .

Safety Factor (+50%) X 1.5

TOTAL Design Flow 1250.

DEPTH	TEXTURE	COLOR	SATURATION
0 - 1'	sandy topsoil	brown	none observed
2' - 4'	med → coarse gravelly sand w/ > 25% sm → lg cobble + fractured boulders	dark tan w/orange + gray	
6' - 8'			

Size of septic tank 1500gal

Area required: 1250 Sq. Ft. OR 57 49 40 Chamber Sections

COMMENTS: ① slope 5-10% to east ② veg = scattered ponderosa pines, grasses (trees close to prop holes) ③ utilities: not elec cable ~~exists~~ ④ surf water - dry gulches S+N. ? creek? to south? ⑤ private well + neighbors. ⑥ ? location of

November 30, 2001

Mr. Scott Pelino  
Pelino Excavation  
33551 County Road 361  
Buena Vista, CO 81211

CCBP  
received  
12/3/01

Subject: Percolation Testing Results, Proposed Brackeen Residence, 18480 Ponderosa Drive,  
3-Elk Subdivision, Chaffee County, CO

Project No. 21303

Dear Mr. Pelino:

This letter presents the results of percolation testing performed within the proposed individual sewage disposal system absorption field on the subject site. The work was performed based on a verbal agreement with you.

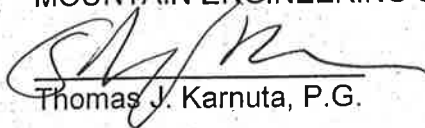
A profile hole and three percolation test holes were excavated prior to the site visit. Percolation testing was performed on November 27, 2001. The percolation tests were performed in general accordance with Article 10 Title 25, C.R.S. for individual sewage disposal systems within the State of Colorado, and Chaffee County regulations.

The profile hole was excavated to a depth of approximately 8 feet below the existing grade. A log of the profile hole is shown on Table I. The subsurface conditions encountered in the profile hole consist of approximately 6 inches of topsoil underlain by light brown, poorly graded, silty sand, with a trace of gravel to the maximum depth of the profile hole, 8 feet. The subsurface materials encountered within the profile hole are alluvial in origin. Ground water was not encountered at the time the profile hole was logged.

Three percolation test holes were excavated to a depth of approximately 30 inches below the existing ground surface. The percolation test results are presented on Table I and indicate an average percolation rate of 2.6 minutes per inch.

Please contact this office at your earliest convenience if you have any questions or if we can be of further assistance.

Sincerely,  
MOUNTAIN ENGINEERING & TESTING

  
Thomas J. Karnuta, P.G.

Reviewed By:  
Donald S. Reimer, P.E.



cc: Ginny Linza, Chaffee County Building,  
Sanitation, Health and Zoning

M O U N T A I N  
ENGINEERING & TESTING



Ph: 719/539.2312

1537 G St. • Salida, CO 81201

Fx: 719/530.9111

metsalida@chaffee.net

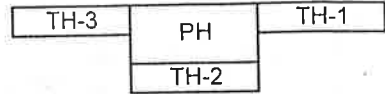
**PERCOLATION TEST RESULTS  
TABLE I**

**Project No.** 21303  
**Client:** Scott Pelino  
 Pelino Excavation  
 33551 County Road 361  
 Buena Vista, CO 81211

**Property:** Proposed Brackeen Residence  
 18480 Ponderosa Drive  
 3-Elk Subdivision  
 Chaffee County, CO

Date Holes Prepared: 11/27/01  
 Date Perc Test Run: 11/27/01

Location of Test Holes  
 Relative to Profile Hole



Percolation Test Hole No. 1					
Hole Depth (in)	Soil Type	Elapsed Time	Time Interval (min)	Reading (in)	Percolation Rate (min/in)
30	SM	3:44 PM	0	16.00	-
		3:47 PM	3	12.13	0.77
		3:50 PM	3	9.38	1.09
		3:53 PM	3	7.25	1.41
		3:56 PM	3	5.63	1.85
		3:59 PM	3	4.25	2.18
		4:02 PM	3	3.25	3.00
		4:05 PM	3	2.38	3.43
1" inch Drop in Last 6" or 30 Minutes:					-
Average Last 3 Readings:					2.87

Percolation Test Hole No. 2					
Hole Depth (in)	Soil Type	Elapsed Time	Time Interval (min)	Reading (in)	Percolation Rate (min/in)
30	SM	3:45 PM	0	16.00	-
		3:48 PM	3	9.63	0.47
		3:51 PM	3	6.00	0.83
		3:54 PM	3	3.25	1.09
		3:57 PM	3	2.00	2.40
		1" inch Drop in Last 6" or 30 Minutes:			
Average Last 3 Readings:					1.44

Percolation Test Hole No. 3					
Hole Depth (in)	Soil Type	Elapsed Time	Time Interval (min)	Reading (in)	Percolation Rate (min/in)
30	SM	3:46 PM	0	16.00	-
		3:49 PM	3	8.00	0.38
		3:52 PM	3	4.50	0.86
		3:55 PM	3	3.13	2.18
		3:58 PM	3	2.00	2.67
		1" inch Drop in Last 6" or 30 Minutes:			
Average Last 3 Readings:					1.90

**AVERAGE PERC RATE (min/in):** 2.1

LOG OF PROFILE HOLE	
Depth Below Ground (ft)	Soil Type/Description
0'	Silty Sand; brown. (Topsoil)
1'	Silty Sand; light brown; poorly graded; fine grained; subrounded; moist; trace gravel. (Alluvium)
2'	
3'	
4'	
5'	
6'	
7'	
8'	



Hole Dry

**HEALTH PERMIT FOR SEWAGE DISPOSAL SYSTEM**

Final Approval

Salida, Colorado 81201  
Phone 539-2124

**Chaffee County Health Department  
P. O. Box 699**

Buena Vista  
Phone 395-2230

Date 11/4/81

316327100057

County Area B.U.

32800 Ponderosa Ln  
18480

Three E14  
#17

Name of Owner Erwin W. Cotter Subdivision: Name \_\_\_\_\_ Block \_\_\_\_\_ Lot No. \_\_\_\_\_

Mailing Address 30, 800 Ponderosa Ln B.U. Location \_\_\_\_\_ (Directions to place)

Agent or Contractor Werner Drilling Phone No. \_\_\_\_\_ Plumber \_\_\_\_\_

Size of Lot 4 acres + Well   
Water Supply: Water System   
Other

Type of Building Existing None Residence, cabin, trailer court, business, school, camp or other

Number of bedrooms 7 Plumbing Fixtures \_\_\_\_\_

Size of Septic Tank Existing Gals. Type Pressure Automatic Washer   
Check if installed or planned

Privy Valut. Other Garbage Grinder   
Dishwashing machine   
Basement Drain   
Basement Plumbing   
Sump Pump

Percolation rate 11 minutes per inch Leach field size 900 sq. ft.  
Minutes per inch Square feet

New Installation  Alteration  Repair  1008 sq. ft.

Depth of leach area below grade App. 3 ft. 2-ft. trench \_\_\_\_\_ length \_\_\_\_\_

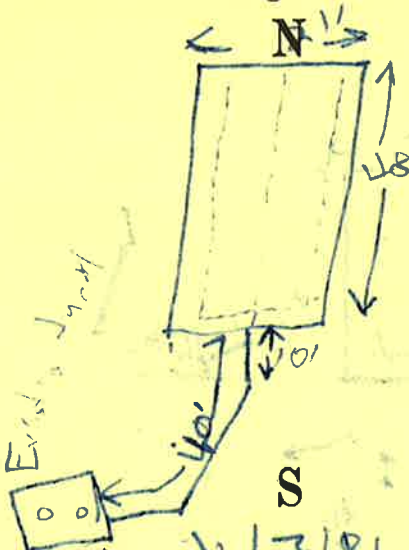
Washed gravel around drain tile 6 1/2" under and over 3-ft. trench \_\_\_\_\_ length \_\_\_\_\_

Cover material: Straw  Saw Dust  Paper  Type Seepage bed \_\_\_\_\_ dimensions \_\_\_\_\_

Fee \$ NA Paid  Date \_\_\_\_\_ Other \_\_\_\_\_

Zoning Compliance Cert. Issued \_\_\_\_\_ Special Use Permit \_\_\_\_\_

**Make Accurate Diagram of Installation —**



48  
21  
48  
96  
1008  
864 ft<sup>2</sup>

Signature \_\_\_\_\_ Date 11/3/81 Signature Wayne Daniels  
Owner, Installer, Agent Health-Officer or Sanitation

Be it understood that any access street which may in the future be dedicated to the public for the purpose of county maintenance must be a minimum of 60 feet. THE COUNTY AND/OR HEALTH OFFICE ASSUMES NO LIABILITY FOR FAILURE OF THE SYSTEM.

FEE: \$25.00

PAID: \_\_\_\_\_

RECEIPT NO.: \_\_\_\_\_

P.O. BOX 699  
SALIDA, COLORADO 81201

Buena Vista 395-2230  
Salida 539-2124

SITE APPROVAL APPLICATION FOR A PERMIT TO INSTALL, CONSTRUCT,  
OR ALTER AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

Owner's Name: Erwin W. Altner Phone No. 395-2383

Owner's Address: 32800 Ponderosa Ln.

Contractor or Agent: Dick Warner Phone No. \_\_\_\_\_

Address: \_\_\_\_\_

Directions to Site: \_\_\_\_\_

Simple Legal Description: (1/4 Sec.) \_\_\_\_\_ (Sec.) \_\_\_\_\_

(Township) \_\_\_\_\_ (Range) \_\_\_\_\_

Lot No. 17 Block No. \_\_\_\_\_ Subdivision Name Three Elk

FOR APPLICANT GENERAL INFORMATION

1. Area of lot \_\_\_\_\_ acres.

2. Type of Building: New Home \_\_\_\_\_ Mobile Home \_\_\_\_\_ Existing Home X, Commercial Type \_\_\_\_\_

3. Size of Building: No. of Bedrooms 7 No. of People 9  
No. of Bathrooms 3 Basement Bldg. ? \_\_\_\_\_

4. Water Supply: If Well, approx. Depth 410'  
Community System \_\_\_\_\_

5. Type of Proposed System: New System New Drain Field  
Replacement System \_\_\_\_\_ Other \_\_\_\_\_

6. The system shall be installed according to the minimum requirements stated on the Individual Sewage Disposal System Permit.

Owner's Signature: Erwin W. Altner Date: 10-29-81

AUTHORIZATION

If, the property owner cannot be at the site at the time of the permit is issued, complete the following:

I hereby authorize \_\_\_\_\_ to obtain an Individual Sewage Disposal System Permit, for the above described property.  
(name of Agent)

(Owner's Signature)

DEPARTMENT USE ONLY

1. Slope \_\_\_\_\_

2. Soil Type \_\_\_\_\_

Reasons for Design by Engineer: \_\_\_\_\_



CHAFFEE COUNTY DEPARTMENT OF SANITATION  
**INDIVIDUAL SEWAGE DISPOSAL PERMIT**  
NO. 33914

**TO CONSTRUCT, ALTER, REPAIR OR MODIFY AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM IN  
CHAFFEE COUNTY, COLORADO**

Address to Permit: 18480 Ponderosa Drive

Legal Description: Three Elk Subdivision, Lot #17

Issued To: L. G. Brackeen

Mailing Address: 18480 Ponderosa Drive, Buena Vista, CO 81211

Waste Disposal System to Be Installed By: Pelino Excavation

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Septic system dimensions are for: Five (5) bedrooms, washing machine and  
dishwasher and garbage disposal

Tank dimensions: Minimum 1500 gallon, 2-compartment

Absorption Field: 1250 sq. ft. (bed or trench); or 57 standard chambers (bed) or 49  
(trench); or 40 - 8.5' chambers (trench only) with 2' sand filter. Based on perc test by  
Mtn. Engineering & Testing Project #21303

Additional Requirements: 1) Minimum 116' from leachfield to all wells including  
neighbor's, 66' to creek, 41' to dry gulches, 10' to all property lines and utilities, 6' to  
existing field & observe all other required setbacks; 2) Install a 2' sand filter & call for  
inspection prior to installing leachfield; 3) Install an observation port to the depth of the  
leachfield at the end of the leachfield; 4) An as-built drawing must be provided at the  
final inspection for final approval from the Health Dept.

*The Health Officer and/or Chaffee County shall assume no responsibility in case of  
failure or inadequacy of a sewage disposal system, beyond consulting in good faith with  
the property owner or representative. **THE PROPERTY OWNER SHALL BE  
RESPONSIBLE FOR THE ACCURATE LOCATION OF ALL PROPERTY LINES.**  
Access to the property shall be provided at a reasonable time to make necessary  
inspections to determine compliance with permit requirements.*

**THIS PERMIT IS NOT TRANSFERABLE, AND IS ISSUED FOR A PERIOD OF ONE  
(1) YEAR.**

December 12, 2001  
DATE APPROVED

  
CHAFFEE COUNTY SANITARIAN

**NOTE: LEAVE ENTIRE SEWAGE DISPOSAL SYSTEM UNCOVERED FOR FINAL INSPECTION**

# CHAFFEE COUNTY BUILDING DEPARTMENT

P.O. BOX 699  
SALIDA, COLORADO 81201

Posted

PHONE: (719) 539-2124

FAX: (719) 530-9208

Owner Brackeen Date 12/19/01 Contractor Pelino  
Location 18480 Ponderosa 3 EIV  
Type of Inspection SANDFILTER PARTIAL Approved  Disapproved   
Information or Corrections:

2 FT SANDFILTER OR  
FOR EAST FIELD ONLY

MAINTAIN set backs

- 116' to all wells
- 66' to creek
- 41' to dry gulches
- 10' to property lines + utilities
- 6' to existing field
- provide ASB:lt drawing at FINAL INSPECTION

**AFTER CORRECTIONS ARE COMPLETE  
PLEASE CALL FOR A REINSPECTION**

Time of Arrival 1:00

Time of Departure 1:15

Inspector Monique Wells

# CHAFFEE COUNTY BUILDING DEPARTMENT

P.O. BOX 699  
SALIDA, COLORADO 81201

PHONE: (719) 539-2124

FAX: (719) 530-9208

Owner BRACKEEN Date 12/21/01 Contractor Relino

Location 18480 PONDROSA DR

Type of Inspection Septic Final Approved  Disapproved

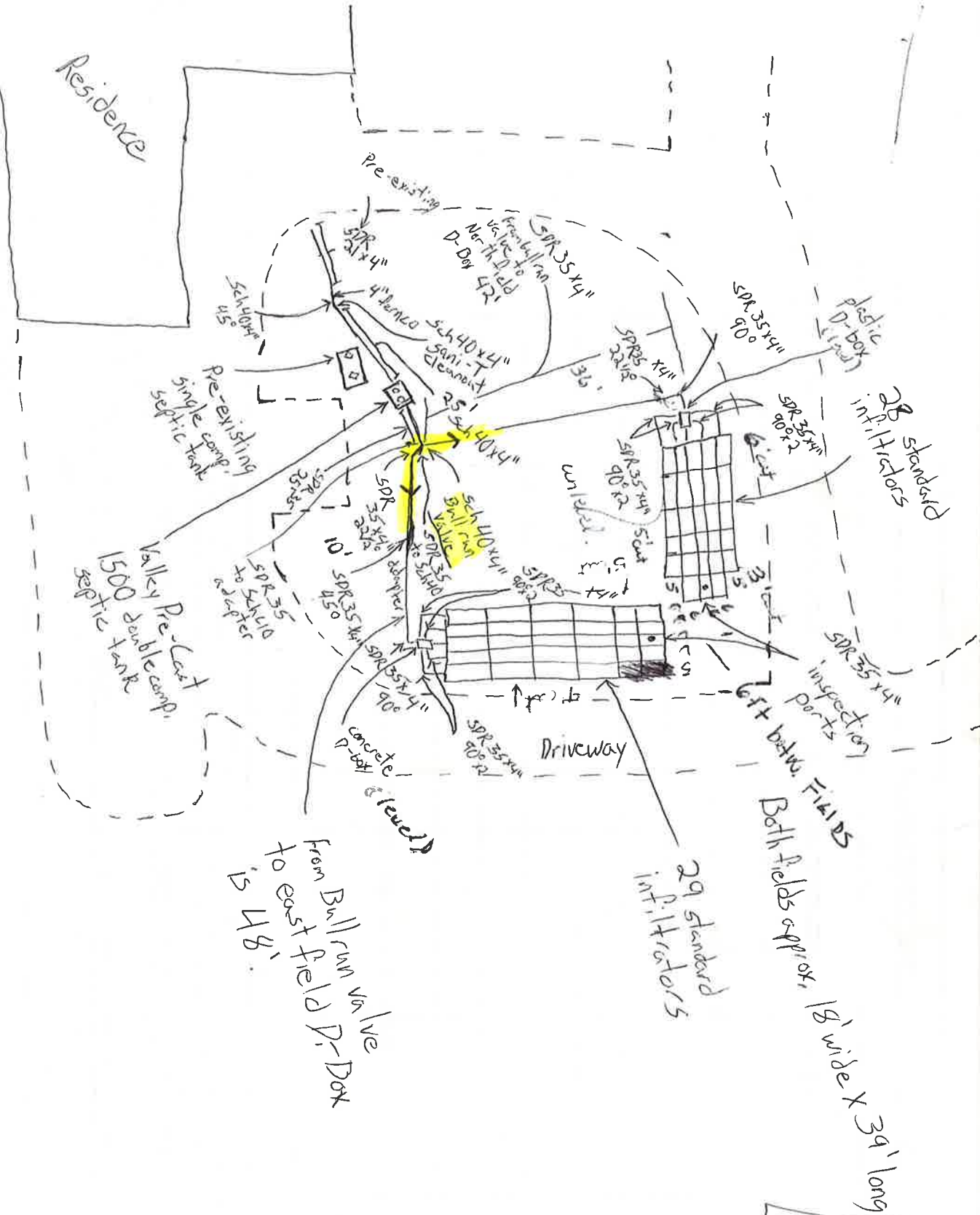
Information or Corrections:

- ✓ 1. 1500 gallon
- 1500 gallon 2 compt tank OK ✓ 2. ~~1250 sq ft~~  
57 / 49 / 40
- 29
- 28
- 57 STANDARD INF
- ✓ 3. 116' to well
- ✓ 4. 66' to creek
- ✓ 5. 41' to dry gulches
- ✓ 6. 10' to property + utilities
- ✓ 7. 6' to existing field
- OK. 2ND INFILTRATOR NOT LEVEL IN NORTH FIELD checked receipt # 8.
- \* 6 Ft between FIELD yes 9.
- OK yes 10. AS BUILT
- ✓ MOUND ENDS OF FIELD TO INSURE 24 INCHES OF COVER.

**AFTER CORRECTIONS ARE COMPLETE  
PLEASE CALL FOR A REINSPECTION**

Time of Arrival 1:25 Time of Departure 1:55

Inspector Monique Wells



From Bull run valve  
to east field P-Dok  
is 48'

Pelino Excavation 12-20-0  
Owner  
Brackeen  
16480 Pandorosa  
Buena Vista  
3-ER subdivision

# CHAFFEE COUNTY BUILDING DEPARTMENT

P.O. BOX 699  
SALIDA, COLORADO 81201

PHONE: (719) 539-2124

FAX: (719) 530-9208

Owner Brackeen, L.C. Date 10-08-07 Contractor owner

Location 18480 Ponderosa,

Type of Inspection partial tank Approved  Disapproved

Information or Corrections:

1 compartment 500 gallon pre-cast  
concrete tank added in line to system

~~sch 40~~ sch 40 pipe on exit/entrance

~~tank~~ tank pipe entrance

sealed on both sides

cover no more than 8" from  
natural grade.

Support pipes before

backfilling

then

ok to cover

**AFTER CORRECTIONS ARE COMPLETE  
PLEASE CALL FOR A REINSPECTION**

Time of Arrival 1230

Time of Departure 1245

Inspector Upton D. Coe