

# Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Hugh Rohrer, M.D., M.P.H.  
Director

## ENVIRONMENTAL HEALTH DIVISION PERMIT NO. 7-95-328

PERMIT TO CONSTRUCT AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

OWNER: JAMES P. MARCHIORI

LOCATION: 778 S. CORONADO DRIVE

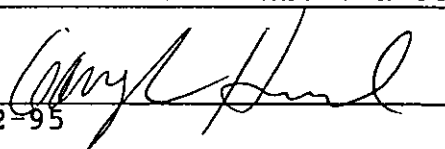
COMPOSED OF 750 GALLON SEPTIC TANK AND ABSORPTION AREA OF 560 SQUARE FEET

\*INSTALL SYSTEM OVER PERC HOLES #2 & #3. TRI-COUNTY HEALTH DEPARTMENT RECOMMENDS THE INSTALLATION OF ROCK TRENCHES.

A PERMIT TO CONSTRUCT SHALL EXPIRE ONE YEAR FROM THE DATE OF ISSUANCE UNLESS EXTENDED TO A FIXED DATE UPON REQUEST BY THE APPLICANT AND APPROVAL BY TRI-COUNTY HEALTH DEPARTMENT. A PERMIT TO REMODEL EXPIRES TWO WEEKS FROM THE DATE OF ISSUANCE.

THIS PERMIT EXPIRES ON 12-12-96

NOTE: Construction requirements and special conditions relative to this permit are presented on the accompanying application. This permit shall not be valid unless a copy of the application is attached to it.

ISSUED BY  OF TRI-COUNTY HEALTH DEPARTMENT ON 12-12-95

OWNER MUST MAKE SURE THAT THIS ENTIRE WASTE DISPOSAL SYSTEM REMAINS OPEN FOR INSPECTION UNTIL IT HAS RECEIVED APPROVAL BY TRI-COUNTY HEALTH DEPARTMENT. TRI-COUNTY HEALTH DEPARTMENT CANNOT ASSUME RESPONSIBILITY IN CASE OF FAILURE OR INADEQUACY OF A WASTE DISPOSAL SYSTEM BEYOND CONSULTING IN GOOD FAITH WITH THE PROPERTY OWNER.

PERMIT FEE OF \$150 CHECK #172

RECEIVED BY LLJ ON 12-8-95

( ) Owner Copy ( ) Bldg. Dept. Copy ( ) Installer Copy ( ) H.D.

Mailed Permit 12-13-95



**Tri-County Health Department**  
Serving Adams, Arapahoe and Douglas Counties

Permit # 7-95-328

Date Paid: 12-8-95

Check # 172

Rec'd By: [Signature]

Application Fee: \$150

**APPLICATION TO:**  
 **INSTALL**    **REPAIR**    **EXPAND**  
**AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM**

000 123901

To Be Completed By Applicant - Please Type or Print Clearly

Address/Legal Description of Property Served by Proposed System: \_\_\_\_\_  
778 S. CORONADO DR.

City and Zip Code: SEDALIA, COLO. 80135

Property Owner <u>JAMES P. MARCHIORI</u>	Applicant _____
Address <u>Same</u>	Address _____
City _____ State _____	City _____ State _____
Zip _____ Phone <u>(303) 688-9649</u>	Zip _____ Phone (____) _____
Installer _____	Design Engineer _____
License # _____ Phone (____) _____	Job # _____ Phone (____) _____

**Proposed Facility:**

Facility Type:  Single Family Residence    **Other** 2<sup>nd</sup> RESIDENCE   Lot Size 5 ACRES

Source/Type of Water Supply:  On Site Well    Community    Other \_\_\_\_\_

If supplied by community water, give name of supplier: \_\_\_\_\_

**General Information:**

Number of bedrooms: 1   Basement:  Full    Walkout   Basement Plumbed?  Yes    No

Are Additional Bedrooms Planned?  Yes    No   Is this property within 400 feet of a sewer line? NO

If so, will that sewage district provide service? \_\_\_\_\_ (attach letter from sewage district)

Is lot marked and are percolation holes staked? YES

I the undersigned hereby certify that all information and data provided is correct and true to the best of my knowledge. I agree that the construction of this individual sewage disposal system will comply with Tri-County Health Department's Regulation I-88 and all other applicable laws and regulations.

[Signature]   12-8-95

Applicant's Signature   Date

**Commerce City**  
4301 E. 72nd Ave.  
Commerce City, CO 80022  
288-6816

**Aurora**  
15400 E. 14th Pl.  
Suite 309  
Aurora, CO 80011  
341-9370

**Castle Rock**  
413 Wilcox St.  
Castle Rock, CO 80104  
688-5145

**Englewood**  
4857 S. Broadway  
Englewood, CO 80110  
761-1340

**Northglenn**  
10190 Bannock St.  
Suite 100  
Northglenn, CO 80221  
452-9547

**For Department Use Only  
Design Installation Requirements**

All applicable design/installation requirements of Regulation I-88 shall be complied with in the installation of this system

System designed for: \_\_\_\_\_ gallons per day and/or 1 bedrooms

Soils data: (See attached Percolation Test and Soil Data Form)

Average percolation rate: 51 (minutes per inch) Depth to groundwater: 2/0'

Depth to bedrock: >10' Ground slope: 22 % to NE

Type of disposal area proposed: Standard

Minimum size tank: 750 gallons Minimum disposal area (bed): 560 square feet

Engineer design required? No Minimum disposal area (trench): 435 square feet

Maximum depth of disposal area: 30" (not to exceed depth of percolation test holes)

Minimum depth of installed rock: 12"

Special Permit Conditions: Install system over perc holes #2 and #3.  
TCHD recommends the installation of rock trenches.

Design engineer inspection of the completed system required? \_\_\_\_\_

Site approved by: [Signature] Date: 12-12-95

Application reviewed and approved by: [Signature] Date: 12-12-95

Site Visit Comments: Site appeared as described in soil report.

**Final Inspection**

Inspection Date(s): 2-4-97

Septic Tank Size (as built): 1000 gallons

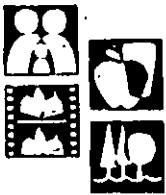
Disposal Area Type: Standard Bed Size (as built): 576 square feet

Depth At Deepest Point: 36"

Comments: \_\_\_\_\_

2-4-97  
Date Of Final Approval

[Signature]  
Environmental Health Specialist



# Tri-County Health Department

## Percolation Test and Soils Data Form

Property address 778 Coronado Drive, Sedalia, Douglas County, Colorado

Legal description Lot 21, Filing #1, Amended Pine Ridge Subdivision, Douglas CO.

Property Owner:

Name James Marchio

Address 778 Coronado Drive, Sedalia, Douglas County, CO

Phone (303) 688-9649

Note:

- Percolation Test Form, Site Plan and Grain Size Distribution Curve of the Sample must be submitted with this form.
- For all Lots <5 acres the site plan must include the entire lot. Test locations must be accurately tied to lot corners or other permanent markers.

### Saturation and Swelling

- Smearred surfaces removed:  Yes  No
- Sand or gravel added:  Yes  No
- Date and time presoak water added:  
November 24, 1995 10:00 AM
- Amount of presoak water added (gallons):  
ten (10) gallons
- Date and time percolation test is started:  
November 27, 1995 9:20 AM
- Did water remain in hole after the overnight swelling period:  
Hole 1  Yes  No  
Hole 2  Yes  No  
Hole 3  Yes  No

### Percolation Rate Measurement

Percolation Rate (min./in.)	Hole 1	Hole 2	Hole 3
	<u>80</u>	<u>32</u>	<u>40</u>
Average	<u>50.7</u>		

### Groundwater:

- Encountered @ N/A feet.
- Estimated depth to maximum seasonal water table if not encountered in profile: 20'
- Is area believed to be subject to seasonal fluctuations which could result in a seasonal water table within 8' of surface?  
 Yes  No

Slope determination in absorption area: 22 % to the N.E (direction)

### Bedrock:

- Encountered @ N/A feet.
- Estimated depth if not encountered in profile: 20'
- Type of bedrock:  Sandstone  
 Claystone  Siltstone

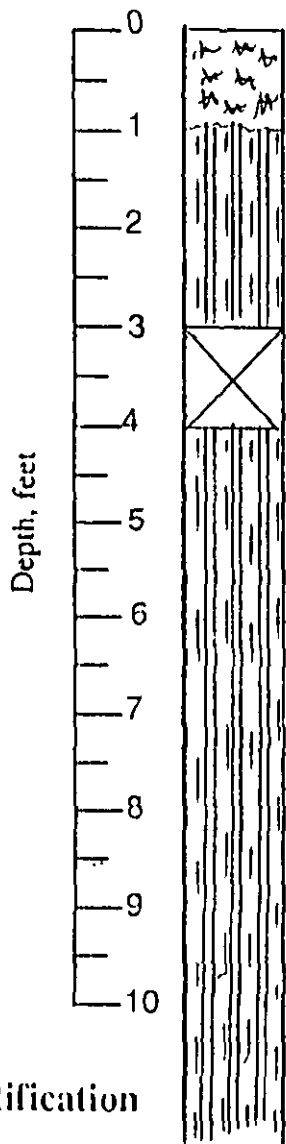
Unknown-Not Found Other

- Is bedrock fractured or weathered?  
 Yes  No Unknown-Not Found
- Is bedrock believed to be permeable? (Perc rate <60 min./in.) Unknown-Not Found  
 Yes  No

# Profile Hole Information (Cont.)

(Soils must be classified using Unified System ASTM D2487)

## Profile Hole Log



0-1' TOPSOIL

1'-12' SAND U.S.C. Symbol = SM

fine grained, silty  
moderate density  
moderate moisture content  
low clay content  
non-plastic  
buff-tan color

3' Blow Count =  $\frac{14}{12}$  8.4% Moisture (SM)

### Certification

I certify that the above information is correct and complete to the best of my knowledge and that all tests were performed in accordance with the provisions of Tri-County Health Department Regulation I-88 by myself or under my supervision.

*PSHMT*

*6 DEC 95*

Original Signature

Date

Front Range Geotechnical, Inc.

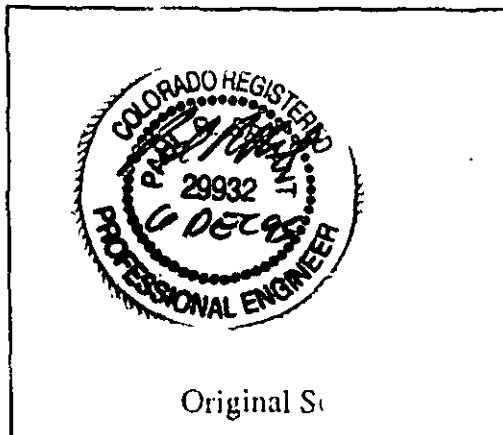
Company Name

P.O. Box 1351, Monument, CO 80132

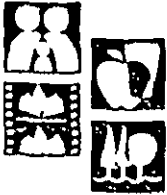
Address

(719) 481-4560

Phone



Original S



# TRI-COUNTY HEALTH DEPARTMENT

## Percolation Test Result Form

Hole No.	Hole Depth (in.)	Length of Interval (min.)	Water Depth @ Start of Interval (in.)	Water Depth @ End of Interval (in.)	Drop In Water Level (in.)	Percolation Rate @ Final Interval (min./in.)
P-1	30"	10 min.	25-1/8	26-7/16	1-5/16	80
			26-7/16	27-7/16	1-0	
			27-7/16	28-0	0-9/16 <i>3/4</i>	
			28-0	28-1/2	0-1/2	
			28-1/2	28-3/4	0-1/4	
			28-3/4	28-7/8	0-1/8	
P-2	30"	10 min.	22-1/4	24-7/8	2-5/8	32
			24-7/8	27-0	2-1/8	
			27-0	28-11/16	1-11/16 <i>6 7/8</i>	
			25-5/16	26-7/16	1-1/8	
			26-7/16	27-0	0-9/16	
			27-0	27-5/16	0-5/16	
P-3	30"	10 min.	23-5/16	24-7/8	1-9/16	40
			24-7/8	26-0	1-1/8	
			26-0	26-15/16	0-15/16 <i>3 5/8</i>	
			26-15/16	27-11/16	0-3/4	
			27-11/16	28-1/8	0-7/16	
			28-1/8	28-3/8	0-1/4	

*12-12-95  
 Discussed with  
 Dr. Hontzfeld the  
 water level drop  
 of > 6" in first  
 30 min.  
 agreed to  
 let go as is.  
 CBT*

Average = 50.7 minutes/inch

\*Field Notes shall be recorded on this form or in this format; typed copies of field records may be submitted on this form.

\*A four hour test must be conducted unless (a) water remains in the hole after the presoak in which case one 30 min. interval is sufficient, (b) the first 6" of water seeps away in <30 minutes in which case a one-hour test of 6 - 10 minute time intervals may be used, (c) the test is being conducted in sand in which case a one-hour test of 6 - 10 minute time intervals may be used, (d) three successive water level drops do not vary by more than 1/10" in which case a two hour test may be conducted.



Site Map

Lot 21, Filing #1,  
Amended Pine Ridge Subdivision,  
778 Coronado Drive,  
Douglas County, Colorado

Location from Existing Well to PROFILE: N. 83° E. - 145'

Locations from PROFILE to:

- P-1: N. 12° W. - 15'
- P-2: S. 49° W. - 13'
- P-3: S. 20° E. - 17'

CORONADO DRIVE  
(778)

LOT 21.  
FILING 1

EXISTING WELL

TH-1

TH-2

80° P-1  
PROFILE  
32° P-2  
40° P-3



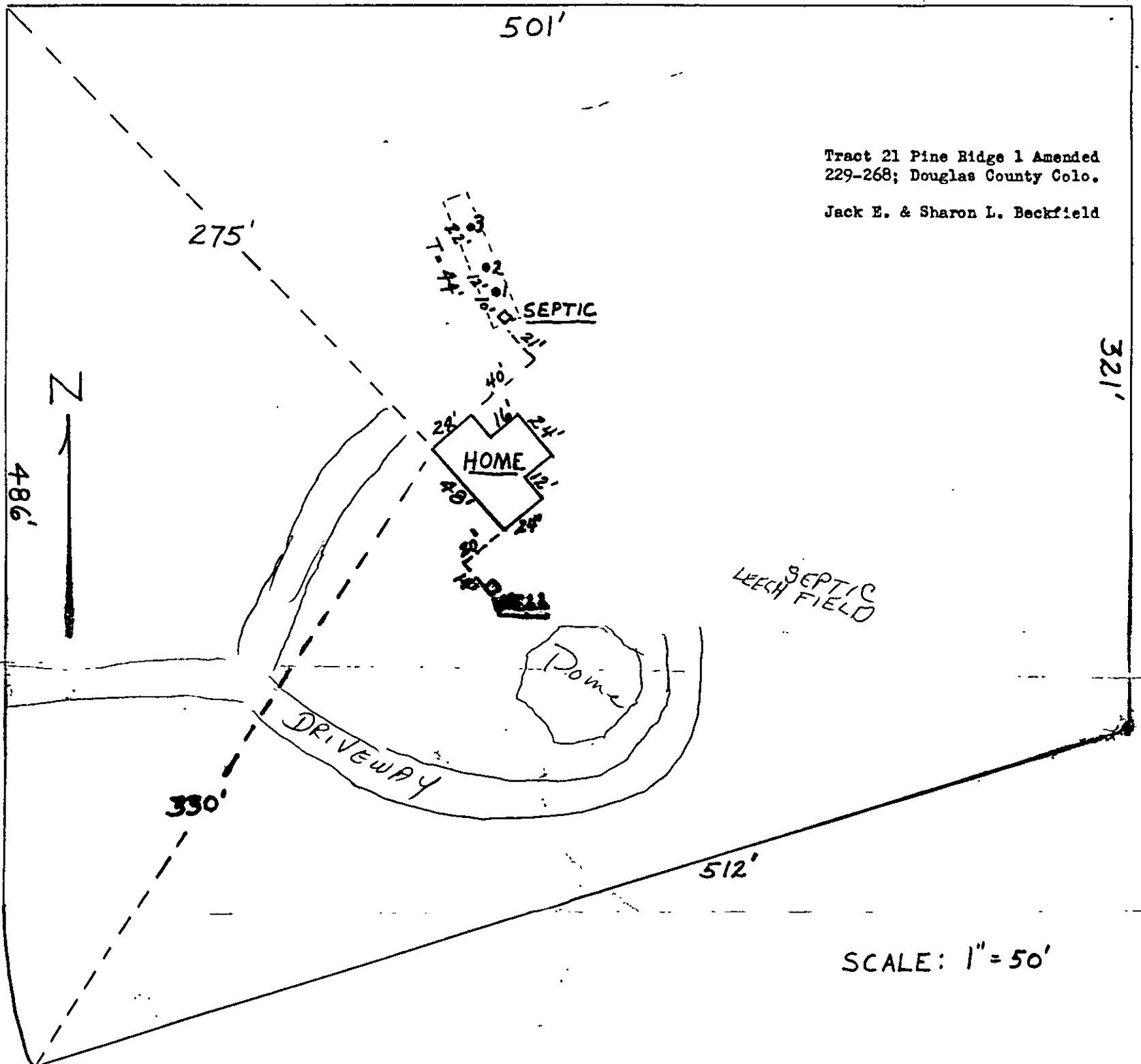
1" = 80'

JOB #: 02331jm



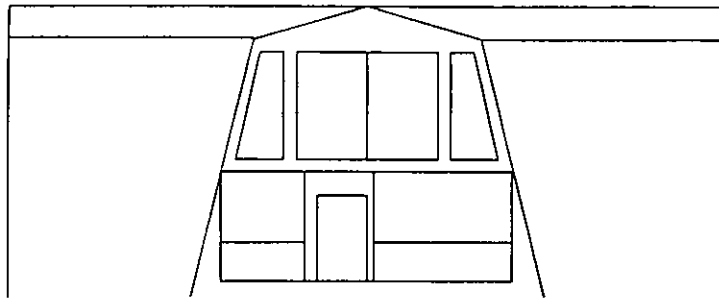
Tract 21 Pine Ridge 1 Amended  
229-268; Douglas County Colo.

Jack E. & Sharon L. Beckfield

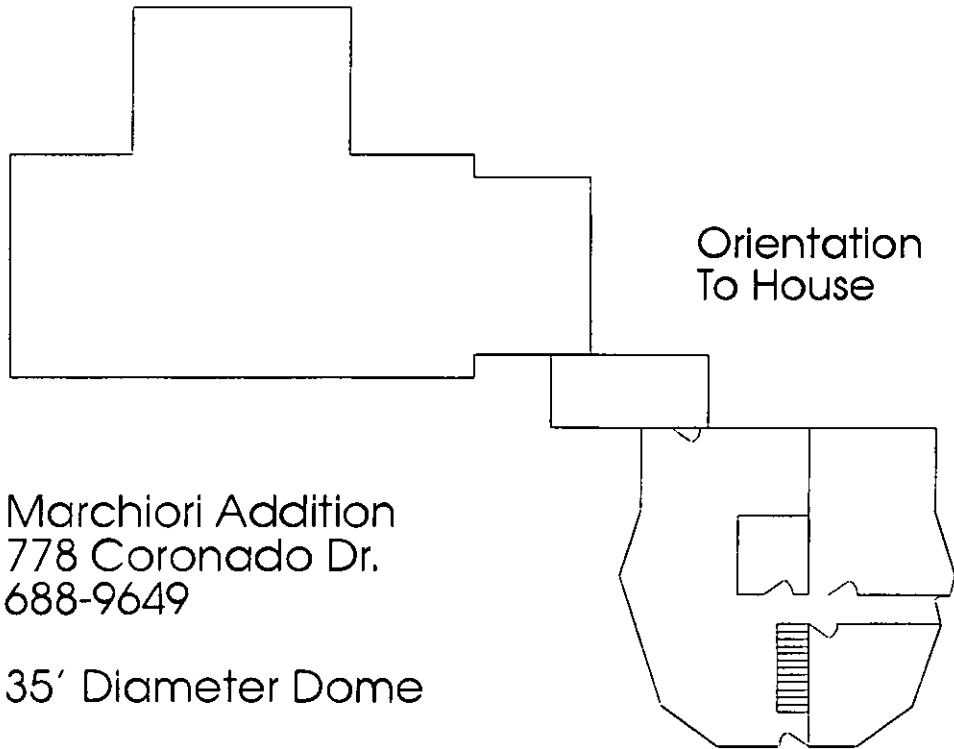
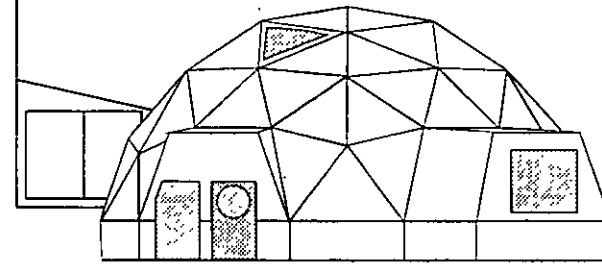


*from Mackenzie  
12/8/95*

SCALE: 1" = 50'



Exterior View  
From Front

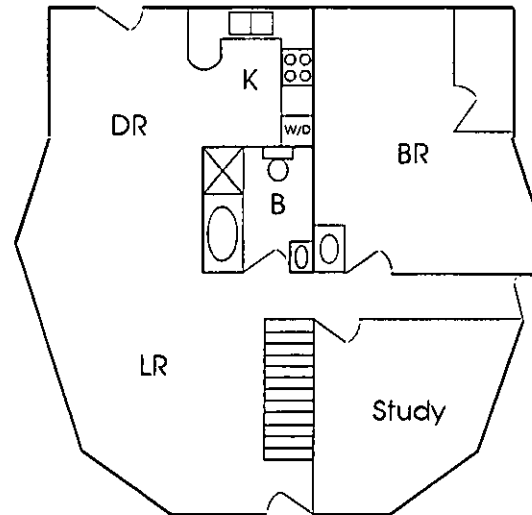


Orientation  
To House

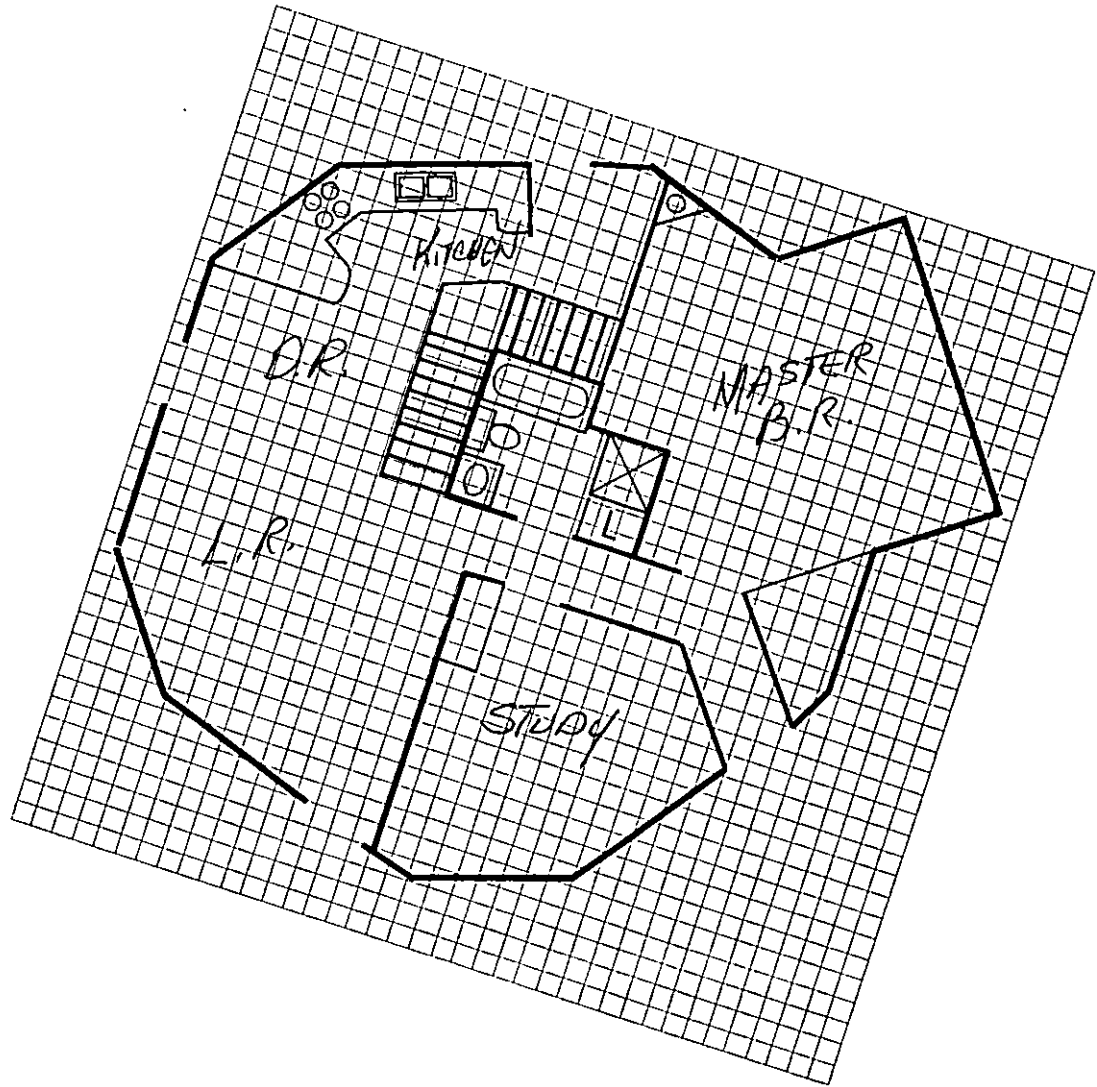
Marchiori Addition  
778 Coronado Dr.  
688-9649

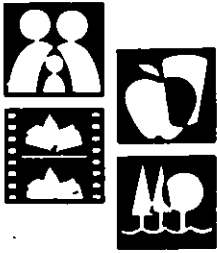
35' Diameter Dome

Floor Plan  
Main Floor



# 35' Dome



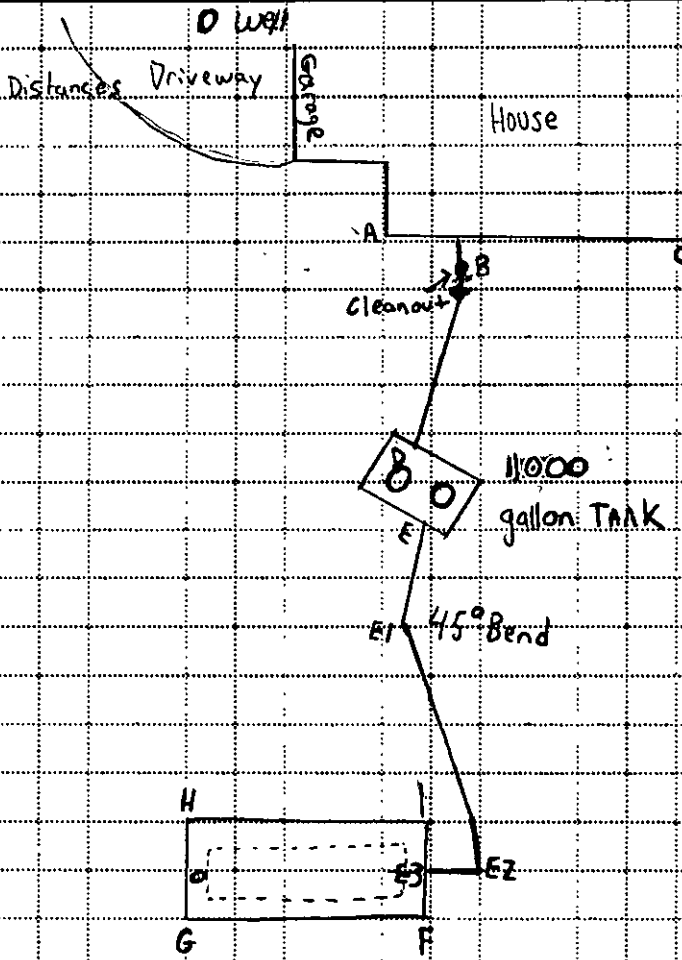


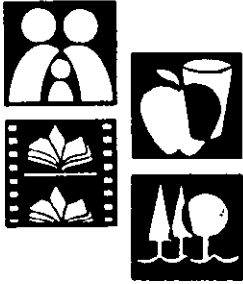
Onsite System  
As-Built  
Drawing

Property Address 778-CORONADO Dr  
 Permit # 7-95-328  
 Date System Completed 2-4-97  
 Installer's Name Jim Patterson  
 Installer's License # 173  
 Installer's Address and Phone 781-1628

Table of Horizontal Distances

A-B	10ft 7"
A-D	34ft
B-C	18ft 5"
B-D	39ft 7"
C-D	57ft
E-E1	36ft
E1-E2	40ft 8"
E2-E3	9ft
F-G	48ft
G-H	12ft





# Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Hugh Rohrer, M.D., M.P.H.  
Director

January 17, 1997

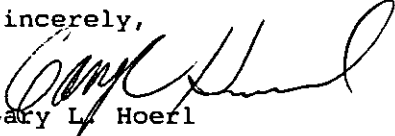
INDIVIDUAL SEWAGE DISPOSAL SYSTEM  
PERMIT #7-95-328

-----  
James P. Marchiori  
778 Coronado Dr.  
Sedalia, CO 80135

This department is in receipt of your request for an extension reference the above permit. This department has approved your request and your permit will now expire on 06-12-97. A new permit and application will be required after that date.

If you have any questions regarding this matter, please do not hesitate to call.

Sincerely,

  
Gary L. Hoerl  
Environmental Health Services

GH/bd

Jan. 14, 1997

Dear Sir

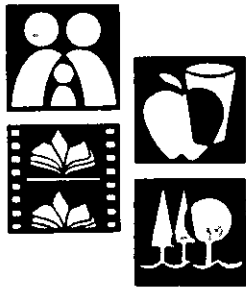
This is a request to attend the Sewage Disposal System - Permit #7-95-328 at 778 S. Coronado - Sedalia Co. 80135

We are going to have the septic tank & field system within the next month -

We had to hire a new contractor after many months of negotiations with the previous ones -

Thank You

J. Marchion



# Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Hugh Rohrer, M.D., M.P.H.  
Director

January 7, 1997

James P. Marchiori  
778 S. Coronado  
Sedalia, CO 80135

Re: Individual Sewage Disposal System (ISDS): 778 Coronado Drive  
Permit #7-95-328


Dear ISDS Permit Holder:

This department issued a permit to you to install a septic tank and disposal field system to be located at the the above referenced address. The permit was valid for one year. This office has not been notified to make an inspection of the system nor have we received a request for extension of the permit as required under Section 3.7 of Regulation I-96, Individual Sewage Disposal Systems, promulgated by the Board of Health of the Tri-County Health Department.

We have not received a written request for an extension of the permit, therefore the permit expired on 12-12-96. Only one six month extension may be granted. Thereafter, should a permit be required, a new application accompanied by payment of the then applicable fee will be required.

If you have any questions concerning this matter, please contact this office at 688-5145.

Sincerely,

  
Gary L. Hoerl  
Environmental Health Specialist



# Tri-County Health Department Environmental Health Services

Application for Loan Inspection  
For Existing Domestic and Non-Municipal Sewage Disposal Systems

FORM MUST BE COMPLETED IN FULL

Name of Applicant James P. Marchiori Phone 690-3239

Mailing Address of Applicant 2710 S. Pagosa St.; Aurora Co 80013

Name of Present Owner Jack & Sharon Beckfield

Loan Inspection Report To Be Sent to: Name James P. Marchiori

Fax to:  
Colorado National Mortgage  
Attn: Carol Tuttle  
422-2774

Address 2710 S. Pagosa St.

City Aurora State CO Zip 80013

Address and complete legal description of property for which permit is used:  
778 Coronado Dr. Sedalia Co 80013  
Lot 21, Pine Ridge #1

Number of Bedrooms In Home: 4 Year Home was Built: 1974

Source of Water:  Private Well ( ) Public (specify) \_\_\_\_\_

Name of Original Homeowner (if known) Jack & Sharon Beckfield

Is Residence Currently:  Occupied ( ) Vacant (specify how long) \_\_\_\_\_

\*\*\*\*\*

### OWNER/AGENT CERTIFICATION

(I), James P. Marchiori Owner/Agent (circle one) of the dwelling at the location described in this application do hereby certify that the sewage disposal system has been operating satisfactorily without malfunction. The septic tank was pumped and inspected on 7 March 94 (date).

16 March 94

Date

James P. Marchiori

Signature

A non-refundable fee of \$75.00 shall be payable to Tri-County Health Department when the application is made. If a bacteriological water test is required, please include a SEPARATE CHECK for \$9.00 payable to Colorado Department of Health Laboratories.

Check # 591 M.O. \_\_\_\_\_ Cash \_\_\_\_\_ Rec'd by RJ Date 3-11/94



94-019

Filed  
3-18-94



# TRI-COUNTY HEALTH DEPARTMENT

## Loan Inspection Report Form

Property Address: 778 Coronado Drive

Legal Description: Tract 21 Pine Ridge

DEPARTMENTAL RECORD SEARCH: Linda Jackson 3-16-94  
Conducted By Date

- (1) Record on File:  Yes  No
- (2) Original Permit #: 1426
- (3) Date of Final Inspection: 9-17-73
- (4) Tank Size: Total Volume 1200 gal
- (5) Field Size: 1000
- (6) # of Bedrooms: 4 OR System Capacity: \_\_\_\_\_
- (7) Original Owner: Jack Beckfield
- (8) Installer: Industrial-Denver CO
- (9) Water Supply: well
- (10) Loan Inspections Issued: —  
Dates: \_\_\_\_\_
- (11) Repair Permits Issued: —  
Dates: \_\_\_\_\_

### SITE INSPECTION

- (1) Property Permitted:  Yes  No
- (2) Soil Conditions at time of Inspection:  Dry  Wet  Snow Covered
- (3) Surfacing Sewage:  Yes  No
- (4) Tank Tees/Baffles: See Attached Pumpers report
- (5) # of Bedrooms In Home: 4 OR System Capacity: \_\_\_\_\_
- (6) Property Sized Based Upon # Bedrooms OR system capacity:  Yes  No
- (7) Did TCHD representative take a water sample:  Yes  No

COMMENTS: The Septic System's leach field showed no apparent signs of malfunction at the time of inspection.

Neither Tri-County Health Department nor any of its agents or employees undertake or assume any liability to the owner of the above property, to any purchaser of the above property or to any lending agency making a loan on the above property in connection with either its examination of the property or in the report.

This inspection was conducted solely for the purpose of detecting health hazards observable at the time of inspection, and does not constitute a warranty that the system is without flaw or that it will continue to function in the future. Inspections requested during periods of rain, snow cover, or when a residence is unoccupied may be of questionable value.

Date 3/17/94 Signature Michael Whelan  
Environmental Health Specialist



TRI-COUNTY DISTRICT HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH DIVISION

1426

Tr 21

ADAMS CITY  
4301 East 72nd Ave.  
288-6816

ENGLEWOOD  
4857 So. Broadway  
761-1340

AURORA  
1633 Florence St.  
366-1561

DOUGLAS COUNTY  
4857 So. Broadway  
761-1340

*778 Coronado Dr*

APPLICATION FOR PERMIT TO CONSTRUCT, REMODEL, OR INSTALL A WASTE DISPOSAL SYSTEM

Address (Legal Description) Tract 21 Pine Ridge 1 Amended 229-268; Douglas County Colorado  
Owner Jack N. & Sharon L. Beckfield address 992 So. Miller St. Telephone No. 986-8844  
Installed by Industrial-Denver Co. address 1615 11th Telephone No. 222-4791

GENERAL INFORMATION

Type of Waste System: Residence XX Commercial \_\_\_\_\_ Other \_\_\_\_\_  
Size of Lot Five (5) Acres  
Percolation Rate #1 20 #2 10 #3 10 (all taken at 36") #5 \_\_\_\_\_ #6 \_\_\_\_\_  
Average 13.3 minutes per inch. Depth of 1st Ground Water 200 Plus Feet  
Soil Profile 1' to 10' Sandstone  
Source of Domestic Water: Public (name) N/A  
Private well Yes Depth 300 Plus Ft. Distance from Sewage System 130 Feet  
Estimated Daily Sewage Flow 450 G.P.D.

RESIDENCE

Number of Bedrooms 4 Tubs or Showers 2 Toilets 2 Lavatory 0 Sinks 4

COMMERCIAL or Other: Attach estimated daily sewage flow data.

Depth of Building Drain N/A

CONSTRUCTION INFORMATION

1200 Gal. Total Volume *Jet aer*  
Septic Tank Capacity 600 Gal. Rated Treatment gallons Material Concrete  
Inlet 2" Differential Outlet \_\_\_\_\_  
Soil Absorbtion System Trench No Bed Yes Pit No  
Required Absorbtion Area in square feet 600 / 1000 Filler Material Size 1 1/2" Depth 36"  
Distribution Line Material PVC Diameter 4"

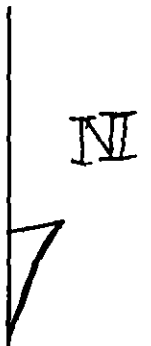
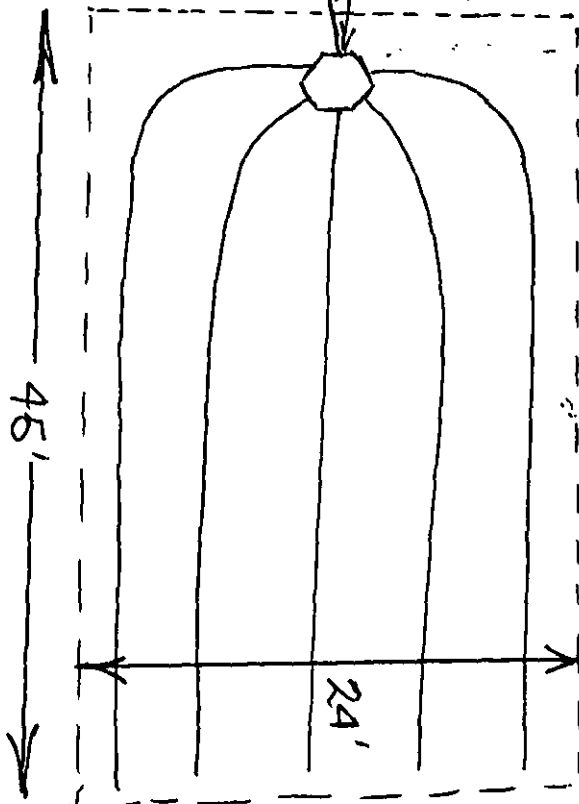
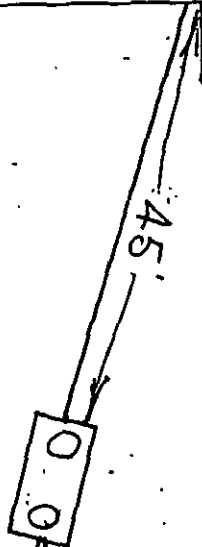
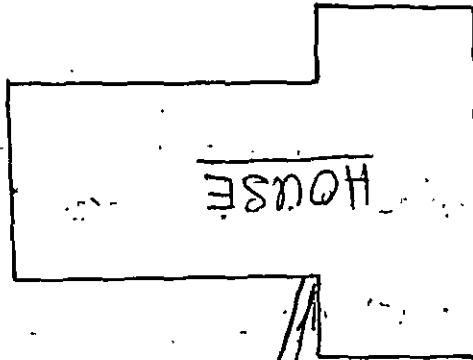
For other type disposal system attach complete design and specification data. Jet-Aeration Home Plant  
FP-101

Owner or Agent Jack Beckfield Date 6 September 1972  
Industrial-Denver Co.  
1615 11th

\_\_\_\_\_  
Tri-County District H.D. \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_  
Water Pollution Control Comm. \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_  
Local Building & Zoning \_\_\_\_\_ Date \_\_\_\_\_  
\_\_\_\_\_  
Public Water & Sewer District \_\_\_\_\_ Date \_\_\_\_\_  
Permit Issued Roy G. Payne (health officer) Sept 7-72 Date \_\_\_\_\_  
Supporting data (attached) \_\_\_\_\_ Soil Profile \_\_\_\_\_  
Plot Plans \_\_\_\_\_ Special Design Data \_\_\_\_\_  
Percolation Data \_\_\_\_\_

The construction of this nonmunicipal waste disposal system will comply with TCDHD Reg. #2/69 and all other applicable laws, ordinances, standards or resolutions \_\_\_\_\_ Owner.

System inspected and approved (date) 9-17-73 Sanitarian Hastler / [signature]  
Permit File No. 1426 Fiscal Control No. 2462



PERCOLATION RESULTS FOR TRACT 21 PINE RIDGE 1 AMENDED 229-268,  
DOUGLAS COUNTY, COLORADO TAKEN BY THE UNDERSIGNED, BEGINNING  
9-3-72 AND ENDING 9-4-72. (PLOT ATTACHED)

DEPTH OF HOLE:

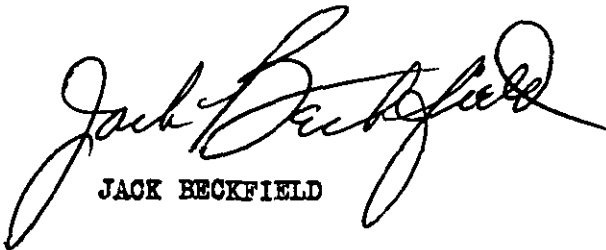
#1 - 36"

#2 - 36"

#3 - 36"

TEST HOLES  
(Minutes Per Inch)

#1	#2	#3
18	10	10
20	10	10
20	10	14
21	10	11
21	10	10
22	11	10
Av:	20	10

  
JACK BECKFIELD

9-6-72  
DATE:

501'

Tract 21 Pine Ridge 1 Amended  
229-268; Douglas County Colo.

Jack E. & Sharon L. Beckfield

275'



SEPTIC

40'

28'

16'

24'

HOME

28'

48'

12'

24'

20'

14'

WELL

321'

486'



330'

512'

SCALE: 1" = 50'

1426 Completed