

Fee Paid \_\_\_\_\_  
Receipt \_\_\_\_\_

APPLICATION FOR INDIVIDUAL SEWAGE DISPOSAL SYSTEM PERMIT  
(SEPTIC TANK CONSTRUCTION AND USE PERMIT APPLICATION)

OWNER Mike Mathers ADDRESS 12128 W 22nd CITY Overland Park STATE Kan ZIP 66204 PHONE 913-231-1000

CONTRACTOR/AGENT D. Bels Sanitation ADDRESS 50604 Hillside Rd CITY Overland Park STATE Kan ZIP 66206 PHONE 913-316-8500

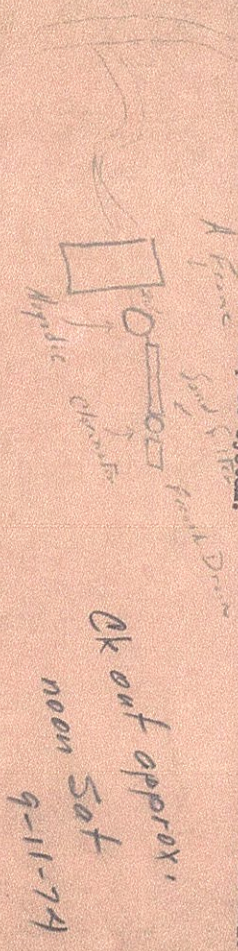
ADDRESS OF SITE LDS Subdivision STATE Kan ZIP 66206

LEGAL DESCRIPTION \_\_\_\_\_

\*\*\*\*\*  
 Application for an individual sewage disposal system permit is hereby submitted, together with the plans, specifications, and the required fifteen dollar (\$15.00) fee. The individual governing individual sewage systems within Ouster County.  
 \*\*\*\*\*

Plumbing Fixtures: Water Closet \_\_\_\_\_ Lavatories \_\_\_\_\_ Bathrooms \_\_\_\_\_ Sinks \_\_\_\_\_ Automatic  
 Washer \_\_\_\_\_ Garbage Disposal \_\_\_\_\_ Other \_\_\_\_\_ No. of Water Supply  
 No. Anticipated Users \_\_\_\_\_ No. Bedrooms \_\_\_\_\_ Basement Plumbing \_\_\_\_\_ Est. Daily  
 Water Usage \_\_\_\_\_ Type Soil \_\_\_\_\_ Percolation Test Results \_\_\_\_\_ Depth of Water  
 Table \_\_\_\_\_ Proposed Capacity of Septic Tank \_\_\_\_\_ (Gallons), Proposed Sq. Ft. Soil Absorp-  
 tion System \_\_\_\_\_

\*\*\*\*\*  
 FLOT PLAN-SHOW: 1. Accurate boundary measurements. 2. Accurate location of building (pro-  
 posed and existing) and proposed site of sewage disposal system and percolation test holes.  
 3. Accurate location of streams, lakes, irrigation ditches, and other drainage on property.  
 4. Accurate locations and type of water supply and lines on property. 5. Amount of useable  
 land. Show area that is available for septic system.  
 \*\*\*\*\*



The undersigned applicant (owner of agent) does hereby agree to comply with City-County Regulations pertaining to sewage disposal systems and applicable State Laws and regulations.

Approval by William J. O'Connell City-County Health Department  
 Signature of Owner or Agent Mike Mathers

Date 9-9-74

S96-0257

### Custer County, Colorado Septic Permit Application

Submit this application with the permit fee of \$150, and the results of a soil percolation test.  
This permit is valid for one year from the date of issue. If the system has not been installed by that time, a new permit must be issued before further construction takes place.

PLEASE TYPE OR PRINT LEGIBLY

Land Owner	Mike & Sherry Sheppard
All land owners must be listed on this application.	
Address	4341 Blue Flax Dr Pueblo, CO 81501
Telephone (Home)	( ) ( ) (Business) ( ) ( )
Builder	Collins Dandy
Address	910 Ohio Silver Pl. Apt 81249
Telephone (Home)	(719) 783-2632 (Business) ( ) ( )

Schedule Number for the Property: 100-88-900  
 (Assigned by the County Assessor's Office - Shown on the Tax Bill)

Legal Description of the Property: Lot 10 Sub 12 Silver Pl. Pl. 9479

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

Size of property: 4.81 acres or  
 \_\_\_\_\_ x \_\_\_\_\_ dimensions

Permit is for  New Installation  Modification  Repair  
 Number of Bedrooms \_\_\_\_\_ Number of People \_\_\_\_\_

Clothes Washer Yes \_\_\_\_\_ No  Dishwasher Yes \_\_\_\_\_ No   
 Garbage Grinder/Disposal Yes \_\_\_\_\_ No

Waste Type  Dwelling  Transient Use  Non-Domestic  
 Commercial/Institutional  Other \_\_\_\_\_

System Type  Standard septic system  Engineer-Designed System  
 Vault  Vault Privy  Composting Toilet  
 Recycling, non-potable  Recycling, potable  
 Other (describe) \_\_\_\_\_

Water Source  Private Well  Community Well  Spring  
 Stream or Creek  Other (describe) \_\_\_\_\_

This information is complete and accurate to the best of my knowledge. I understand additional tests and reports may be required for purposes of evaluating this application.

I agree to maintain detailed purchase and receipt records for this project, and will make them available for audit and photocopying by the zoning office. I further agree to pay Custer County the two percent (2%) Use Tax for any items purchased outside of Custer County, upon which no local sales or Use Tax was paid. I understand all Use Tax must be paid before final approval will be granted on this permit.

I acknowledge that electrical and plumbing work require State permits and inspections.

I acknowledge that the system must be inspected, before it is backfilled or covered, by the County I.S.D.S. Health Officer or his representative. The system includes the Building Sewer (line from house to tank), septic tank, effluent line (line from tank to field), and leach field. All these components must be installed and none of them covered at the time of inspection, or a \$25.00 Additional Trip fee will be charged.

Engineer-designed systems must be installed by a septic contractor licensed by Custer County.

The following circumstances require an engineer-designed septic system. (There are other circumstances that also require an Engineer-designed system, but these are the most common.)

- 1) System will service more than one single-family dwelling.
- 2) System will service a commercial building or use.
- 3) The parcel is less than one acre in size.
- 4) The soil percolation test shows there is bedrock or ground water within eight feet of the ground surface.
- 5) The system to be installed is not standard.

Signature of Applicant BILL COLLINS Date 8/14/96

SPH12EV.APS

Office Use Only: Schedule Number 100-88-90d Zone 1V Permit Number 96082201

Permit Fee Due \$ 150.00 Date Paid 8/14/96

ISDS Variance Type \_\_\_\_\_ Date Issued \_\_\_\_\_

Approval to Begin Construction David & Bob's for LN Date 8/21/96  
 Construction / Permit Completed David & Bob's for LN Date 6/6/97

Permit Denied / Cancelled \_\_\_\_\_ Date \_\_\_\_\_

Remarks: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SPH12EV.APS

CUSTER COUNTY PERMIT  
FOR INSTALLATION OF

INDIVIDUAL SEWAGE DISPOSAL SYSTEM

Date: 8/21/96 Sch#: 100-88-900 Permit #: S96082001

Property Owner: Mike & Sherry Sheppard  
Telephone:  
Address: 4341 Blue Flax Drive, Pueblo, CO 81001

Contractor: Collins Construction Design Engineer: None

Applicant is: Installer

Permit is for Septic <sup>Repair</sup> Installation  
Permit Fee: \$150.00

Date: 8/21/96

Property Address:

Legal Description: Silver Cliff Heights 12, Lot 10

Lot Size: 6.81 Ac. # Persons: 2 # of Bedrooms: 1  
Accessories: Garbage Grinder [N] Clothes Washer [N] Dishwasher [N]  
Building or Service Type: Dwelling  
Source and Type of Water Supply: Private Well

Soil Percolation Test Completed by: Rock Canda Date: 8/9/96  
Minutes 20.00 per inch Hole 1 Minutes 40.00 per inch Hole 3  
Minutes 50.00 per inch Hole 2 Average Minutes 36.67 per inch  
Type of System Proposed: Standard System  
Conditions: Depth to Bedrock 96+" Depth to Ground Water 96+"  
Percent of Ground Slope 4 Leach Field Size 300

Number of Chambers Required [for .2 or more, round up] (if Used):

Infiltrators-Trench <u>9.68</u>	Infiltrators-Bed <u>11.61</u>
BioDiffusers-Trench <u>9.62</u>	BioDiffusers-Bed <u>11.54</u>

Comments: This leach field is sized for only one bedroom and no appliances. Expansion of the field will probably require supervision of an engineer due to slope and rock.

I hereby certify that I installed this system as designed.

Bill Rollins  
Licensed Contractor / Homeowner

8/21/96  
Date

Inspected on: 8-21-96  
Date

by: Rogey L. McInnis  
Authorized Inspector

Use Tax Paid: \$ None Due

Date: —

Final Approval Date: 6-18-99

Rogey L. McInnis  
Zoning Officer / Inspector

Note: The Leachfield and Tank areas must not be used  
for parking vehicles.

Septic Inspection

Property Owner: Mike & Sherry Sheppard

Date: 8-21-86

RLM

Property Address:

Legal Description: Silver Cliff Heights 12, Lot 10

Contractor: Collins Construction

Pipe from house to tank:

Distance: 21'

Cleanouts needed (50 ft): N/A Distance: —

Check slope (1/2 in. per 2 ft. for last 10 ft before tank): —

Type pipe (schedule #): Sched 40

Tank:

Size: 1000 gal

Check tank is level: dh

Check tees or baffles on tank: Inlet: dh Outlet: dh

Check seals on pipes entering tank: Inlet: dh Outlet: dh

Check for cracks in tank: dh Date on tank: 8-12-86

Pipe from tank to leach field:

Distance: 26'

Check for slope: dh

Type pipe (schedule #): 3034, Sched 40 for 10' out of tank

Distribution = Level

Leach field:

Type: Int. Tractors

Number, if chambers: 12

Type of baffle used (per installer): Plastic Splash Plates

Check for screws on chamber connections: dh

Configuration: Trench or Bed Check for level: dh

Depth: 1' to 1.5'

Check distance between trenches (6 ft min.): —

Water:

Distance from tank to well: 100' +

Distance from leach field to well: 100' +

Distance from any irrigation ditch or creek: dh

Additional Comments:

This is sized for only 1 Bedroom and no appliances. Any expansion of the cabin will require expansion of the leach field and will probably require an engineer due to slope/rocks. RLM

INDIVIDUAL SEWAGE DISPOSAL SYSTEM  
INFORMATION SHEET

CLIENT: MIKE AND SHERRY SHEPPARD  
MAILING ADDRESS: 4341 BLUE FLAX DR PUEBLO CO ZIP: 81001  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

OWNER: SAME  
MAILING ADDRESS: \_\_\_\_\_  
PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

LOCATION OF PROPOSED SYSTEM  
ADDRESS: \_\_\_\_\_

LEGAL DESCRIPTION: LOT 10, SUB 12 SILVER  
CITY or TOWN: WESTCLIFFE CO COUNTY: CU.

*Letter to  
Custer County  
Cust. Serv. Dept.*

GENERAL INFORMATION

RESIDENTIAL \_\_\_\_\_ COMMERCIAL \_\_\_\_\_ MULTIFAMILY (check one)  
LOT SIZE 6.81 Ac. WATER SUPPLY:  well \_\_\_\_\_ existing  
\_\_\_\_\_ public \_\_\_\_\_ proposed

WILL THE SYSTEM BE USED FOR ANY WASTE OTHER THAN DOMESTIC? YES  NO  
 NEW SYSTEM \_\_\_\_\_ REPAIR \_\_\_\_\_ EXPANSION OF EXISTING  
NUMBER OF BEDROOMS IN DWELLING 1 GARBAGE DISPOSAL YES  NO  
WELL OR WATER REGULATIONS WHICH HAVE SEPTIC RESTRICTIONS? YES  NO

RESULTS:  
DESIGN PERC RATE 45 min/in DEPTH TO ROCK 8 ft DEPTH TO WATER > 8 ft  
BASED ON KNOWN DATA, THE SYSTEM IS ACCEPTABLE FOR A "STANDARD DESIGN"  
PER CUSTER COUNTY REGULATIONS  YES \_\_\_\_\_ NO  
MINIMUM SIZE SEPTIC TANK 1000 GAL MIN SIZE ABSORPTION AREA 300 FT. SQ.  
THIS SITE REQUIRES AN ENGINEERED SYSTEM YES  NO  
(engineered system design furnished under a separate report)

FLOW RATE =  $Q$   
 NO. OF BED ROOMS = 1  
 NO. OF PEOPLE / BEDROOM = 2  
 $Q = (\text{NO PEOPLE}) \times \text{TS GALS / PERSON}$   
 $Q = 150$

PER VC DESIGN FLOW = 150%  $Q$   
 $Q = 225$

PER VIII C, d, l

ABSORPTION AREA = A

TF PERC RATE

$$A = \frac{Q}{S} \sqrt{T}$$

$$A = \frac{225}{5} \sqrt{45}$$

$$A = (45)(6.7)$$

$$A = 301$$

TOTAL LEACH FIELD AREA, 300 FT<sup>2</sup> CUSTER CO. MINIMUM

CLIENT: SHEPPARD

TECHNICIAN: CANDA

TEST HOLE NO. 1

DEPTH TO BOTTOM OF HOLE 48"

DIA. OF HOLE 12"

TEST START TIME DATE 8/8/96

LOCATION: LOT 10

FLYING 12, SILVER CLIFF HEIGHTS

PRESOAK: DATE AUG 8, 1996

MOIST TIME 10 GAL.

WATER AFTER 24 HR? Y N

time	duration (min.)	reading	change (inch)	rate min/in	remarks
10:12	10	4.5	.75	13.3	
10:23	10	5.25	.50	20	
10:33	10	5.75	.75	13.3	
10:43	10	6.50	1.0	10	
10:53	10	7.50	.25	40	
11:03	10	7.75	.50	20	
11:13	REFILL	8.25			
11:19	10	8.5	.50	20	
11:29	10	4.25	1.25	8	
11:38	10	5.50	.50	20	20
11:48	10	6.0	.25	40	
11:58	10	6.25	.75	13.3	
12:08	10	7.0	.75	13.3	
12:17		7.75			

REMARKS: USE DESIGN FLOWS OF 45 MIN/100#



CLIENT: SHEPPARD

TECHNICIAN: CANADA

TEST HOLE NO. #3

DEPTH TO BOTTOM OF HOLE 48"

DIA. OF HOLE 12"

TEST START TIME 4:45 DATE 8/19/76

LOCATION:

LOT 10, SILVER CLIFF HEIGHTS NO. 12

PRESOAK: DATE

VERY TIME

MOIST GAL.

WATER AFTER 24 HR? Y N

time	duration (min.)	reading	change (inch)	rate min/in	remarks
4:45	10	7.0	1.50	66	
4:55	10	8.5	1.25	8	
5:05	10	9.75	1.0	10	
5:15	10	10.75	.75	13.33	
5:25	10	11.50	.50	20	
5:35	10	12.0			
	REFILL				
5:42	10	9.0	.50	20	
5:52	10	9.5	.50	20	
6:02	10	10.0	.25	40	
6:12	10	10.25	.25	40	
6:22	10	10.50	.25	40	
6:32	10	10.75	.25	40	
6:42	10	11.0	.25	40	
6:52	10		.125	80	

REMARKS:

DUG NEW HOLE NEAR NO. 3 HOLE PERCOLATION TEST PERFORMED, USE DESIGN RATE OF 45 MIN/INCH.



JOB \_\_\_\_\_ OF \_\_\_\_\_ DATE AUGUST 9 96  
 SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ DATE \_\_\_\_\_  
 CALCULATED BY CANDA CHECKED BY \_\_\_\_\_  
 SCALE 1/4" = 1'

