

R4

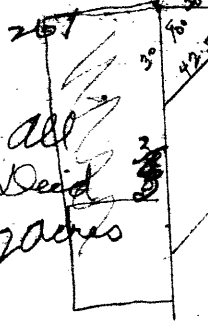
R3

Lilly Water Filing

13 18  
24 19

779.5'

N10° 34' W  
1.60'



NE 1/4 of NE 1/4

all  
Decid  
trees

Pipe line

779  
383  
1162

2700  
400  
3700  
900  
2800  
1000  
1800  
800  
1000  
800  
1000  
800  
1000

Location Sec 19 T26S R3W Sheet No. \_\_\_\_\_

Owner Lilly

### TRAVERSE SURVEY AND CALCULATION OF AREA

Computed by \_\_\_\_\_

Checked by \_\_\_\_\_

Date \_\_\_\_\_ 192\_\_\_\_\_

STATION	COURSES		L. COS.	LATITUDE		D. SIN.	DEPARTURE		BALANCED				M. D.	D. M. D.	N AREA	S AREA
	BEARINGS	DISTANCE		NORTH	SOUTH		EAST	WEST	LATITUDE		DEPARTURE					
									NORTH	SOUTH	EAST	WEST				
13, 18 24, 19																
	South	779.5		779.5												
Hill Cor.	East	108.0					108.0									
1	N45°E	46.0	.7071	32.5	.7071	32.5										
Pt. Div.	N103°W	76.0	.98276	747.0	.18484		140.5									
Lee Cor.																

CIVIL ENGINEERS AND SURVEYORS  
IRRIGATION, DRAINAGE, LAND SURVEYING  
LOCATING AND MAPS  
PHONE 87  
248 N. JACKSON STREET

ROSEBURG, OREGON.

Description of two (2) acre tract.

Beginning at a point, which bears South 779.5 feet from the Section  
Corner common to Sections 13, 18, 19, and 24 in T. 26 S. R. 3 & 4 W.

W. M. Douglas County, Oregon;

Thence N.  $46^{\circ} 10'$  W. 267.0 feet along the county road,

Thence South 524.0 feet.

Thence S.  $76^{\circ} 56'$  E. 198.0 feet to the east line of Section 24

Thence North 383.8 feet along the east line of Section 24 to the  
place of beginning. Containing Two (2) acres.

Location Will  
 Owner Will

Sheet No. \_\_\_\_\_

TRAVERSE SURVEY AND CALCULATION OF AREA

Computed by \_\_\_\_\_  
 Checked by \_\_\_\_\_  
 Date \_\_\_\_\_ 192

STATION	COURSES		L. COS.	LATITUDE		D. SIN.	DEPARTURE		BALANCED				M. D.	D. M. D.	N AREA	S AREA	
	BEARINGS	DISTANCE		NORTH	SOUTH		EAST	WEST	LATITUDE		DEPARTURE						
									NORTH	SOUTH	EAST	WEST					
1	S 46-10E	267.0	69.26		184.92	72.14	192.61										
2	S	383.82			383.82												
3	N 76-56W	198.0	22.67	44.74		97.41	192.61										
4	N	524.0		524.0													
				524.0	568.74		192.61										
				$\tan = \frac{192.61}{44.74} = 4.3059$													
															$2 \mid 174755.21$		
															$43560 \mid 87377.6$		
															$87120 \mid 257.600$		

~~EBCF~~

ABCD; EBCF;  $AD^2 - BC^2 = EF^2 - BC^2$

$6 \cdot \frac{524}{2} - \frac{383.8^2}{2} = 2(X^2 - BC^2)$

$6(274576 - 147302.44) = 2(X^2 - 147302.44)$   
 $763641.36 = 2X^2 - 294604.88$

$X^2 = 529123.12$

$X = AD = 727.4$

$267(727.4 - 383.8) = AB(524 - 383.8)$

$267(343.6) = AB(140.2)$

$91741.2 = 140.2 AB$

$AB = 654.3$

$7 \cdot \frac{383.8}{2} = DC(\frac{524}{2} - \frac{383.8}{2})$

$198 \times 343.6 = DC(140.2)$

$338032.6 = 140.2 DC$

$DC =$

180530  
1277467  
174240  
109537  
91484  
102437

274452  
2846957  
281877  
281877  
93999  
2988  
3112  
2988  
3112  
3112

CS 17/11-5E 3112