

REGISTERED **PROFESSIONAL** LAND SURVEYOR OREGON NOVEMBER 10, 2010 SCOTT D. FEIN

Expires 12/31/2019

PILED Date 9/23/19 By PB This survey consists of: \_\_\_\_sheet(s) Map <u>3</u> page(s) Narrative 4 exhibits **JACKSON COUNTY SURVEYOR** 

Separate Narrative SHEET 2 OF 2

(541) 774-6191 10 S. Oakdale Ave., Medford, OR 97501 Field work, computations and Reviewed By: RLB 09/11/19 drafting were performed SDF 09/11/19 between: 2016 and 2019 Field Crew: SDF, SMB, CS JOB FILE: 18-06 JMH, BP Drawn By: JMH Approved: SDF 09/11/19 Airport 12D-07 MOS

Jackson County Surveyor

Scott Fein, PLS, CWRE, CFEDS

T37S-R1W-07, TL 400 T37S-R2W-12A, TL 100, 1100, &1118 T37S-R2W-12D, TL 199

285503.765 FND 3/4" PIPE, 1.5' DEEP, PER FS 12548 & FS 14951 (ORIGIN UNKNOWN)

287550.745 FND LEAD/TACK IN SW CURB RETURN O'HARA PRKWY and BIDDLE RD

20430 | 223957.796 | 287847.155 | FND OPC STAMPED "HARDEY ENG & ASSOC", 1" DEEP, PER FS 21008 [FND S 66°22' W 0.02' FRP]

225180.418 | 287471.259 | FND LEAD/TACK IN NW CURB RETURN O'HARA PRKWY and BIDDLE RD

287422.925 | LEASE COR #1, FND 5/8" REBAR W/ 2" DIAM. ALUM CAP STAMPED "JCS-1" PER FS 22775

287713.016 | LEASE COR #7, FND 5/8" REBAR W/ 2" DIAM. ALUM CAP STAMPED "JCS-7" PER FS 22775

20409

20410

20417

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226286.28

226356.84

226357.319

225063.964

# SURVEY NARRATIVE TO COMPLY (IN ACCORDANCE) WITH ORS 209.250

#### **SURVEY FOR:**

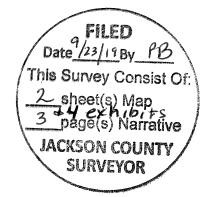
Rogue Valley International-Medford Airport 1000 Terminal Loop Parkway Medford, OR 97504

#### **SURVEY BY:**

Jackson County Surveyor's Office 10 S. Oakdale Ave. Rm 318 Medford, OR 97501 541-774-6191 surveyor@jacksoncounty.org

# **STAFF:**

Scott D. Fein, County Surveyor Richard L. Bath, Project Surveyor Steven M. Beecher, Surveying Associate Joseph M. Hall, Surveying Associate



### **LOCATION:**

East Half of Section 12 situated in Township 37 South, Range 2 West and Southwest Quarter of Section 07 situated in Township 37 South, Range 1 West, of the Willamette Meridian, City of Medford, Jackson County, Oregon.

#### DATE

Field work performed between November 2016 and August, 2019. Computations, deed analysis, and drafting performed between November 2016 and September, 2019.

## **SURVEY METHOD:**

Utilizing Trimble R6 and R8 receivers, Trimble S6 and S7 Robotic Total Stations and Trimble TSC3 data collector running Trimble Access Software Version 2017 (13001), control was established on found monuments or set temporary points. All field data was processed through Trimble Business Center Version 4.0 with reduced data being transferred to Carlson 2017 with Embedded AutoCAD, and Traverse PC 2018 (V. 17.1.3.0) software for inclusive computations and drafting.

# **BASIS OF BEARINGS:**

Oregon Coordinate Reference System (OCRS) Grants Pass-Ashland Zone; Grid North as derived from Geodetic North per NAD83 (2011) Epoch 2010.00 Datum. Meridian Convergence Angle Project Average = 00°18'30".

# **SURVEY MEASUREMENT & DATA PROCESSING PROCEDURE:**

All found monuments were positioned by direct Static GPS observation or by terrestrial traverse from temporary control points positioned from Static GPS observation. All Static GPS observations utilized a combination of the ORGN CORS stations "CTPT", "ASHL", and Jackson County Surveyor CORS station "NETRS" to produce a network solution on each point or group of points. The CORS stations were held fixed (NAD83 (2011) Epoch 2010.0) as control and a fully constrained least squares adjustment was performed on the resulting baselines to the points in Trimble Business Center to certify positional tolerances of +/- 0.10 IFT at the 2 sigma 95% confidence interval. The points were output as OCRS Grants Pass-Ashland Zone (per OAR 734-005-0015 (3)(k) International Foot Coordinates (IFT)). Found monuments that could not be directly observed were tied by terrestrial traverse from a minimum of two or more temporary control points. Positions for monuments utilizing reference monuments or witness corners were calculated in Carlson Survey 2017 from the associated adjusted Static GPS control coordinates.

# Narrative abbreviations:

D.R. = Deed Records; O.R. = Official Records; d.r. = deed record measurement; FS = Filed Survey Number; Vol. xxx Pg. xxx = Volume and Page of D.R.; Doc. No. = Document Number of O.R.; R.V.I.A. = Rogue Valley International-Medford Airport; COM = City of Medford; Pt. No. = Point Number; Re-estab = Re-establishment; PLA = Property Line Adjustment.

#### PURPOSE:

The initial purpose of the overall airport project was to determine the perimeter boundary of the Jackson County property known as the Rogue Valley International-Medford Airport. In August 1970 the COM conveyed "all property owned by grantor in fee simple" to Jackson County using a blanket description per Doc. No. 70-12687 O.R. In April 1971, per Doc. No. 71-03154 O.R., the COM tried to redeem themselves by describing the real property "as accurately as possible" and thereby "clarifying the intent of the description" previously recorded in Doc. No. 70-12687 O.R. The resulting metes and very little bounds description per Doc. No. 71-03154 only continued the ambiguity in that the last call in said description reads as follows: "Excepting therefrom the portion in the Medco logging road, Public roads and certain other exceptions contained in the attached title report." A thorough investigation into both the COM and Jackson County records and local title companies found no copy of

said title report. Since there was no certainty in what property was actually conveyed, a thorough title investigation and deed research was necessary for each portion of the County's property that is surveyed. The specific purpose of this survey in the East Half of Section 12 and Southwest Quarter of Section 07 is to survey and mathematically determine and monument the boundary location of lands owned by Jackson County, Oregon, in said subject area. This review included lands owned by the City of Medford prior to 1970 and a chain of title for all properties on each side of the apparent Airport Boundary where necessary. It is noted at this point that all bearings and distances labeled on the attached map of survey are relative to calculated record boundary corner positions. If a monument is shown found at a specific corner location, see FOUND MONUMENT TABLE for its relative location to said record corner position.

#### **PROCEDURE:**

# Relationship between bearings for DRG. NO.s 9B-6-4 [4/2] and 9B-11-8 [4/4] and Doc. Nos. 71-06973 and 78-03850 O.R.:

9B-11-8 – C/L Biddle Road = S 30°48'30" E; Meas. = S32°44'43" E; Rotation = -01°56'13" 9B-11-8 – C/L Airport Road = S 88°14'55" E; Meas. = N 89°48'45" E; Rotation = -01°56'20" 9B-6-4 – C/L Biddle Road = S 32°07'35" E; Meas. = S34°03'22" E; Rotation = -01°55'47"

#### **Airport Road:**

See also Narrative for FS 22911, filed in Section 01D and 12A for monumented right-of-way for Airport Road. With documents provided by the Jackson County Road Department, reviewed Certificate of Titles 1040, 1831, 1832, and 4282 which described certain locations for either a 40 foot wide or 20 foot wide road, the intent of which was to describe a 60 foot wide road between Table Rock Road (Midway) and Biddle Road (which at that time was along the Range line between 1 & 2 West. The location of the 60 foot wide road right of way described in said certificate descriptions appears, as best as can be determined, to fall within the now platted and dedicated 63.00 foot right of way for Airport Road Easterly of Biddle Road. Therefore, the south right of way line of Airport Road is the north line of Parcels 1 and 2 of Partition Plat No. P-33-2004 (FS 18290); the east end of Airport Road is monumented and shown on the attached map of survey, which is also the west boundary of the 60 foot wide vacated Airport Road per Doc. No. 2005-42023 O.R.; and the north right of way line of Airport Road is monumented based on the intent of the legal description in Deed of Dedication Doc. No. 2011-007349 O.R., as well as legal description for Parcel No. 2 of Doc. No. 78-03850 O.R.

NOTE: For unknown reasons the area described as Parcel 3 in Doc. No. 71-06973 O.R. was never excepted from FS 14951 or FS 18290. The mathematical location of said described area is shown on the attached map for reference only and no monuments were set to mark the line.

# **Centerline Intersection of Biddle Road and Airport Road:**

The alignment of the centerline and right of way for Biddle Road north of Airport Road is explained in the Narrative for FS 22911

The following describes the method and analysis used to determine the intersection of the centerline of Biddle Road running southerly of the east-west centerline of Airport Road.

DRG. NO. 9B-11-8 (roll map # 4/4 & FS 7434) is the controlling map for Biddle Road alignment north of Airport Road to Table Rock Road as well Doc. No. 78-03850 O.R..

DRG. NO. 9B-6-4 (roll map # 4/2) is the controlling map for Biddle Road alignment south of Airport Road to Lawnsdale Road as well as Doc. No. 71-06973 O.R.

Both maps indicate that the centerline intersection of Biddle Road and Airport Road are a common point at <u>AR</u> 80+68.03 (for Airport Road east-west), <u>AB</u> 100+95.84 (for Biddle Road north of Airport Road), and <u>AB</u> 100+00.00 (for Biddle Road south of Airport Road). Based on a review of many filed surveys in the subject area, no surveyor appears to have analyzed the entire alignment of Biddle Road from Table Rock Road to Lawnsdale Road. Filed surveys have analyzed and monumented the alignment north of Airport Road; other filed surveys have analyzed and monumented the alignment of Biddle Road south of Airport Road. Based on existing monumentation and intent of these multiple filed surveys, it is evident that the centerline intersection is not at a common point. See attached map of survey and more specifically shown in Insert "A" on Sheet 1 for details. A review of FS 7434 at the subject intersection shows that four pins were set along the north right of way of Airport Road. Two of those original monuments were recovered (#20109 @ AR 82+50) and #20114 @ AR 79+00) and used to determine the East-West centerline of Airport Road. A third recovered monument (#20111 @ AR 83+50) set per FS 13815 was found to be consistent with the determined centerline position of Airport Road. The measurement between #20109 and #20114 = N 89°48'45" E 349.97' (Rec. S 88°14'55" E 350.00').

# Biddle Road Alignment between Airport Road and Lawnsdale Road:

The alignment of the centerline and right of way for Biddle Road north of Airport Road is explained in the Narrative for FS 22911 The alignment of the centerline and right of way for Biddle Road southerly of Airport Road to Lawnsdale Road is based on roll map labeled 9B-6-4 as well as Doc. Nos. 70-08894, 70-08895, and 71-06973 of the O.R. Filed surveys Nos. 12548, 13185, 14951, 17310, 18290, and 18646 were all reviewed and analyzed for compatibility. It appears that the above listed surveys based the alignment of Biddle Road on FS 12548. This is unfortunate due to the fact this survey misinterpreted the alignment description for Biddle Road based on Doc. No. 71-06973 O.R. The document states: "Bearings are based on the Oregon Co-ordinate System, South Zone." The surveyor reviewing this document then assumed the distances were grid distances, not true ground distances and corrected all distances by a factor of 1.0000737. DRG. NO. 9B-6-4 depicts the same information that Doc. No. 71-06973 describes but a NOTE on the map clearly states that the coordinates and distances shown on the map (and therefore in the deed document) "are on a Local Datum Plane which represents

true ground distances." Because this incorrect assumption only results in a mathematical east-west distance discrepancy of 0.07 feet, the decision was made to hold the well-established platted monuments found along the western right of way line of Biddle Road. The right of way monuments along the subject area that were found were evaluated and a coordinate transformation adjustment method (rotation and scale) was used to determine the record centerline alignment of said road as shown on the attached map of survey and relative location of said found right of way monuments are noted in the FOUND MONUMENT TABLE on the attached map.

# Vacation of a portion of Airport Road per Doc. No. 2005-042023 O.R.:

The purpose of this document was to vacate all that portion of "Airport Road and/or Airport Loop Road" lying within Tax Lot 100 but Easterly of Tax Lot 1118, 37-2W-12A and northerly of the northeastern right of way line of Biddle Road. No legal description of the area being vacated was given, only an Exhibit map. See map of survey for details.

## Northeastern right of way line of Biddle Road per Dedication Doc. No. 2006-049332 O.R.:

The intent of this document is to dedicate a strip of land for County right of way acquisition. The exact mathematical location of said strip of land is subject to interpretation. The mathematical northeastern right of way line of Biddle Road is based on the alignment of Biddle Road as explained earlier in this narrative and appears to be in a slightly different location than described in the subject document. The northwestern boundary of said strip of land is intended to be coincident with the east boundary of the Partitioned Land per Partition Plat P-33-2004 (FS 18290). The best solution to located said strip of land was to anchor the northwestern end of said strip of described land to said Partition Plat P-33-2004 and to tie the point of beginning to the northeastern right of way line as calculated. Therefore the measurement between the point of beginning of said strip of land to the most western corner is N 29°49'57" W 528.467 feet (d.r. = N 31°45'49" W 528.467 feet) = -01°55'52" rotation, which is very comparable to other rotations recited earlier in this narrative.

Based on the above method of location, monumented said right of way accordingly. See SET MONUMENT TABLE for position of said monuments and calculated points.

# Eastern right of way of Biddle Road north of Lawnsdale Road:

A review of FS 21008 along with Doc. No. 70-08895 O.R. determined the location of the eastern right of way of Biddle Road relative to the West Quarter corner of Section 7 [#10012]. A portion of said right of way was vacated per Doc. No. 2005-042023 O.R. Monumented said eastern right of way line southerly of Dedication Doc. No. 2006-049332 O.R. as shown on attached map of survey.

Since FS 21008 details the surveyed and monumented location of Lawnsdale Road, Bullock Road, and the southerly boundary of the Jackson County Airport property relative to BLM property, no additional airport boundary information was necessary to show on this map of survey.

# SE Corner DLC 57:

Refer to 1987 Third Re-establishment notes. Found 2.5" brass cap witness monument (#20401) from which the following RPs were measured:

Actual DLC corner position (#10035) bears N 89°46'46" E 20.00' (record S 89°53'29" E 20.00') Lead & tack in box culvert bears S 02°50'48" E 14.43' (record S 02°12'45" E 14.44')

Rebar w/cap stamped "Jackson CS" bears S 00°08'00" E 238.00' (record S 00°11'42" W 238.00')

# **FOUND MONUMENT TABLE:**

All bearings and distances labeled along boundary lines on the attached map of survey are relative to calculated deed record corner positions. If a monument is shown as found at a specific corner location (shown by a corresponding Point No.), see FOUND MONUMENT TABLE for its relative location to said deed record corner position (FRP = From Record Position). The reason for choosing this method of displaying said survey data is to show the incredible professional standard of many Professional Land Surveyors that have filed some 170 surveys within or near the subject Airport Boundary over the last 70 years. This high quality of professionalism is acknowledged and appreciated.

**Supporting Documents:** 

Certificate of Titles Nos. 1040, 1831, 1832, and 4282

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
NOVEMBER 10, 2010
SCOTT D. FEIN
83181
Renews 12/31/2019

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60.	Far Fan Certificate over land, Ra. For Plat are land, Ru.	CERTIFICATE OF TITLE No. 1040	
	Receipt	Registrar's Office, Jackson County, State of Oregon  First—Tennelor Certificate of Title	To
	Number of Phys Cardificate		
	STATE OF OREGON,  County of Jackson,  Sinte and County, do mayor griff that M	First Registered Jan 2. 130  First Registered Jan 2. 130  First Registered Jan 2. 130  Many albert marries to Millie Albert	Control of the second s
	County of Jackson and State of Groups, then be	in the owner in fir shaple of the following described land, water	
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	(also to the township line): Then	we South 19 40 8.2943.88 feet to the each line of it is	- 6 DLC
	1 with 07 47 77 set 4/39. I feet	Thence North 31 " Heat 897.6 feet; Thence South 89° 53 Feet leginning, containing 18. 971 acres	
	Ganalled and Cortin	take Notable	
	subject to the estates, casements, incumbrances and	S my hand and official scal thin of S day of January A. D. 101 Street P. Dale County tongs.  Registers of Villa, Jackson County tongs.	and each fac
	Memorial of Estates, Mortg	$B_T$ $I_{h_L^{-10}}$ rages, incumbrances and Charges on the Land in this Certificate of Title.	
	DENNING IN FAVOR	OP Terms Date of Instrument Date of Registration Signature of Registrat Month Day Year Month Day Year Signature of Registrat	8.

# **CERTIFICATE OF TITLE 1040**

Beginning at the Southeast corner of D.L.C 56 in Section 12, Township 37 South, Range 2 West of the W.M. and running thence South 89°53′ East 945.6 feet; thence North 508.2 feet; thence South 89°40′ East 2343.88 feet to the east line of D.L.C. 57, (also to the Township Line); thence South on said Township line 1211.5 feet; thence North 89°47′ West 4139.1 feet; thence North 38°West 897.6 feet; thence South 89°53′ East 1402.24 feet to the place of beginning, containing 98.971 acres.

Exhibit "A"

Airpoint-Road 22915 40' Strip 553 CERTIFICATE OF TITLE No. 1630 CT 18 31 Ween by 4040 Registrat's Office, lack on County, State of Uniquit First- Transfer Certificate of Title From Certificate No. 1 , 13 First Registered for making 25, 191 2 ontes of First Certificate 1 0 a' o e pictures.

Country of trackson, 100 1, In e of all Coloring Regularies of trace in and for an accountry do hereby correct open delle spectra Bacobes, nor regulation.

Allen State of Crafgen

Le the owner in he shape of the following described hand, stated in the C. OF PERGON 1912 of school and State of Oregon, to-wit: 454D Man to the state of the state o 825 it and payments thereof from data, also arbitant to the lease of Jobs Forty employing with the gathering of the present crop-Memorial of Estates, Mortgages, Incumbrances and Charges on the Land in this Certificals and Charges on the Land in this Certificals

**CERTIFICATE OF TITLE 1831** 

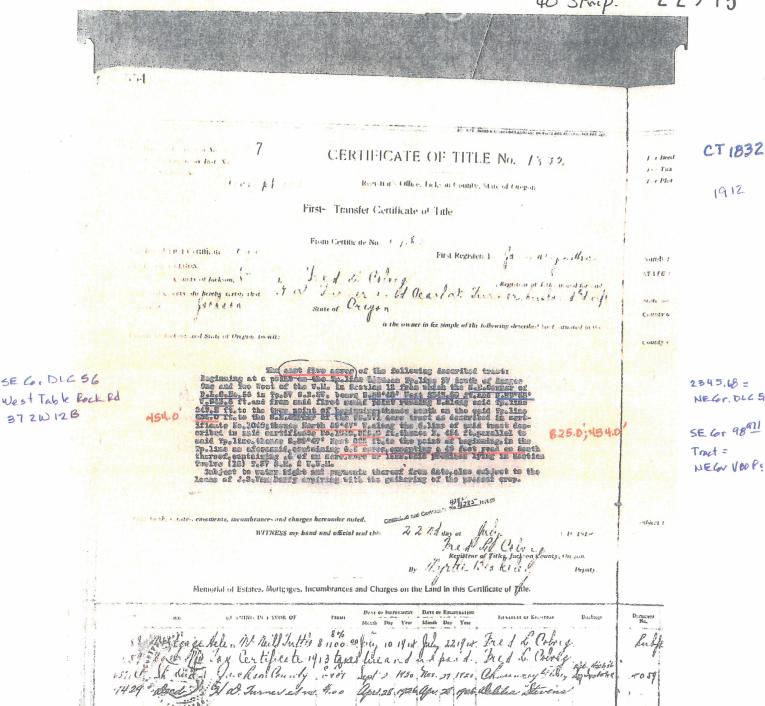
The West three acres of the following described tract:

Beginning at a point on the Township line between Township 37 South of ranges one and two West of the W.M. in Section 12 from which the S.E. corner of D.L.C. No. 56 in Tp. 37 S, R.2 W, bears N. 89°40′ W 2343.88 ft. and N 89°53′ W 945.6 ft. and from said first named point running S. along said Tp. Line 249.3 ft. to the true point of beginning; thence south on the said Tp. Line 454.0 ft. to the S.E. corner of the 98.971 acre tract as described in Certificate No. 1040; thence North 89°47′ W. along the S. line of said tract 825.0 ft., thence N. 454 ft. parallel to said Township line; thence S 89°47′ East 825 feet to the point of beginning in the Tp. Line as aforesaid containing 8.6 acres, excepting the 40 foot road on South thereof, containing .6 of an acre, more or less, said premises lying in Section (12) of T. 37 S., R.2 W, W.M.

10 36 Mand Jackson County soil Syl 2 100 New 27 100 Channey Flord

Exhibit "B"

Airport Rad 40'Strip. 22915



#### **CERTIFICATE OF TITLE 1832**

The East five acres of the following described tract:

Beginning at a point on the Township line between Township 37 South of ranges one and two West of the W.M. in Section 12 from which the S.E. corner of D.L.C. No. 56 in Tp. 37 S, R.2 W, bears N. 89°40′ W 2343.88 ft. and N 89°53′ W 945.6 ft. and from said first named point running S. along said Tp. Line 249.3 ft. to the true point of beginning; thence south on the said Tp. Line 454.0 ft. to the S.E. corner of the 98.971 acre tract as described in Certificate No. 1040; thence North 89°47′ W. along the S. line of said tract 825.0 ft., thence N. 454 ft. parallel to said Township line; thence S 89°47′ East 825 feet to the point of beginning in the Tp. Line as aforesaid containing 8.6 acres, excepting the 40 foot road on South thereof, containing .6 of an acre, more or less, said premises lying in Section (12) of T. 37 S., R.2 W, W.M.

Exhibit "C"

	20' Road	,
	CENTIFICATE OF TITLE REGISTER	To provide the second
•	107	
	7-467	American
	For Par Cornificate are fast, No. 12002 CERTIFICATE OF TITTE No. 4202	3
	For Plat on Inst. No.  Registrar's Office, Jackson County, State of Oregon	0 - 110
	Girate Transfer Certificate of Test	CT 42
	Agent Females Certificate of 14th	193
	Number of First Certificate 1040 First Certificate 1040 1922	. 1912
E-Unio Nervice	STATE OF OREGON.	1 7 5 5
	State and County, do hereby certify that	
	If the enemer in fac plants of the fall rates of should have attended in the	3
	County of Jackson and State of Greyon, to-wit:  Beginning at the southeast corner of the 8 sere tract of land owned by E. D. Jurnar and Pearl D.  Turner as described in Gartificates of Title Employs 1832 and S435, which said point is 40 feet north of southeast corner of the 95.971 sore tract formerly known as the Alber's tract in Section 12 command.  The state of the State of the sillenst tention, and running thence west along the south line of waid tract 825 feet; thence morth 20 feet; thence seat parallel with said south line 825 feet; thence south 20 feet to the point of beginning, containing approximately one-third of an erre.  Seginning at a point in the south line of the 95.971 acre tract formerly known as the Albers tract in Section 12, command 37 south, Hange 2 west of the willineste the Waidian 825 feet west of the southeast corner thereof, and from said point running thence west along the south line thereof to the intersection of said south line with the new Midway road north of Madford; thence morth 60 feet; thence east 1815 feet were or less to the wait line of the 8.50 Turner tract described in Certificates of Title Numbers 1832 and 3435; thence south 60 feet to the point of beginning containing direct acres mare or less, being the south 60 feet of that portion of our orchard lying between the new Midway and along tracks.	= 40 N.  NE GV  20'Rd.  + 60' Ro
	Also all our right, title and interest in and to the 40 foot road reserved by J. H. Carkin in Cartificates of litle numbers 1851 and 1852, excepting therefrom the south one foot thereof, and right of may for irrigation ditch along the south line thereof deeds to J. H. Carkin.	
	abject is the earlies, encounts, incumbrances and charges hereunder noted.  WITNESS my hand and official sect this 21" day of April A. D. 1065G	
	Beliliar Stance of Titles, Jackson Charly, Oregon.	
	By Considered Renderson Brown.	

#### **CERTIFICATE OF TITLE 4282**

Beginning at the southeast corner of the 8 acre tract of land owned by H.D. Turner and Pearl D. Turner as described in Certificates of Title Numbers 1832 and 3435, which said point is 40 feet north of the southeast corner of the 98.971 acre tract formerly known as the Alber's tract in Section 12 Township 37 South Range 2 West of the Willamette Meridian, and running thence west along the south line of said tract 825 feet; thence north 20 feet; thence east parallel with said south line 825 feet; thence south 20 feet to the point of beginning, containing approximately one-third of an acre.

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12067 Sheriff's you cortificate shows 1928 taxes due and not paid. Debles Storens

Beginning at a point in the south line of the 98.971 acre tract formerly know as the Albers Tract in Section 12, Township 37 South Range 2 West of the Willamette Meridian 825 feet west of the southeast corner thereof, and from said point running thence west along the south line thereof, to the intersection of said south line with the new Medway road north of Medford; thence north 60 feet; thence east 1815 feet more or less to the west line of the H.D. Turner tract described in Certificates of Title Numbers 1832 and 3435; thence south 60 feet to the point of beginning containing three acres more or less, being the south 60 feet of that portion of our orchard lying between the new Midway and Biddle roads, excepting therefrom the present right of way on which irrigation ditch is now located, along the south line thereof.

Also all our right, title and interest in and to the 40 foot road reserved by J. J. Carkin in Certificates of Title Numbers 1831 and 1832, excepting therefrom the south one foot thereof, and right of way for irrigation ditch along the south line thereof deeded to J. H. Carkin. Exh(b)t"O"