

LINE NO.	BEARING	DISTANCE	RECORD
L1	N 54°26'00" W	35.77	
L2	S 54°39'15" W	23.62	
L3	S 52°22'30" E	52.70	
L4	N 28°14'26" W	28.80	
L5	N 28°14'26" W	28.80	
L6	N 54°39'15" E	11.82	
L7	N 53°52'32" E	10.00	
L8	S 52°22'30" E	52.70	
L9	S 31°43'30" E	50.00	
L10	N 11°25'34" E	33.30	
L11	S 40°33'34" W	3.00	

CURVE NO.	DELTA	RADIUS	LENGTH	LONG CHORD
C1	16°31'14"	90.00	25.95	N 61°25'03" W 25.86
C2	8°06'58"	1115.92	158.08	N 48°19'01" W 157.94
C3	20°39'00"	602.96	217.31	N 42°03'00" W 216.14
C4	69°45'46"	90.00	109.58	N 75°25'27" E 102.94
C5	86°17'00"	50.00	75.30	N 83°42'04" E 68.38
C6	17°01'58"	250.00	74.32	N 44°38'27" W 74.05
C7	16°23'13"	290.00	82.94	N 44°19'04" W 82.86
C8	7°53'02"	250.00	34.40	N 32°10'57" W 34.37
C9	7°53'02"	300.00	41.28	N 32°10'57" W 41.25
C10	21°15'00"	1145.92	425.00	N 41°41'15" W 422.80
C11	20°39'00"	572.96	206.50	N 42°03'00" W 205.38
C12	81°04'00"	100.00	89.13	N 14°08'26" W 86.21
C13	150°52'00"	50.00	131.66	N 64°00'26" W 96.79
C14	0°38'45"	290.00	3.27	N 52°50'03" W 3.27

**REFERENCE SURVEYS:**  
 SURVEY NO. L-8-A.  
 PLAT OF KOONTZ 2ND ADD.  
 SURVEY NO. 1-202-AX.  
 SURVEY NO. Q-1130-C.  
 SURVEY NO. Q-1056-B.  
 SURVEY NO. J-96-A.  
 PARTITION PLAT NO. 1996-21.  
 SURVEY NO. 87-54-A.  
 SURVEY NO. 97-20-A.  
 HARTMAN ABSTRACT CO. MAPS OF SECTION 16 & FEED CANAL.

**LEGEND**

- - MONUMENT FOUND AS NOTED.
- - FOUND 5/8" IRON PIN WITH 1 1/2" YELLOW PLASTIC CAP MARKED PLS 2627, PER SURVEY NO. 97-20-A.
- ⊕ - FOUND 5/8" IRON PIN WITH 1 1/2" RED PLASTIC CAP MARKED RLS 1333, PER SURVEY NO. 87-54-A.
- - SET 5/8" BY 30" IRON PIN WITH 1 1/2" YELLOW PLASTIC CAP MARKED "OR PLS 1106 WA PLS 17372".
- ⊕ - CALCULATED POINT ONLY, NOT SET OR FOUND.
- (XOX)P - RECORD DIMENSION FROM PRELIMINARY REPORT NO. 58408, DATED JULY 29, 1991, BY PIONEER TITLE COMPANY.
- (XOX)D - RECORD DIMENSION FROM DEED DESCRIPTION.
- (XOX)R1 - RECORD DIMENSION FROM SURVEY NO. 97-20-A.
- (XOX)R2 - RECORD DIMENSION FROM SURVEY NO. 87-54-A.
- L0 - LINE TO SHORT TO ANNOTATE, SEE LINE TABLE.
- C2 - CURVE DESIGNATION, SEE CURVE TABLE.
- <sub>S</sub> - EXISTING SANITARY SEWER MANHOLE.
- <sub>P</sub> - EXISTING POWER POLE.
- <sub>SM</sub> - EXISTING METER OR SERVICE POLE.
- - PERMANENT EXISTING FENCE.
- OHP - EXISTING OVERHEAD POWER LINE.
- SS - EXISTING SANITARY SEWER LINE.

**NARRATIVE OF SURVEY**

THIS SURVEY WAS MADE AT THE REQUEST OF DOUG HARRIS TO LOCATE EXTERIOR BOUNDARIES OF THE PROPOSED "FOX HOLLOW" SUBDIVISION. BASED ON COUNTY SURVEY OFFICE RECORDS, THERE HAS BEEN NO PRIOR SURVEY ACTIVITY ON THE EXTERIOR BOUNDARY.

AFTER THOROUGH RESEARCH OF THE APPLICABLE RECORD DEEDS, DESCRIPTIONS AND MAPS AFFECTING THE SUBJECT TRACT, THE BOUNDARY WAS LOCATED AS FOLLOWS:

LOCATED THE BEGINNING POINT ON THE NORTH RIGHT-OF-WAY OF WILLOW STREET AT A POINT 50.00 FEET WESTERLY FROM THE CENTERLINE OF THE U.S.S. FEED CANAL, PER DESCRIPTION.

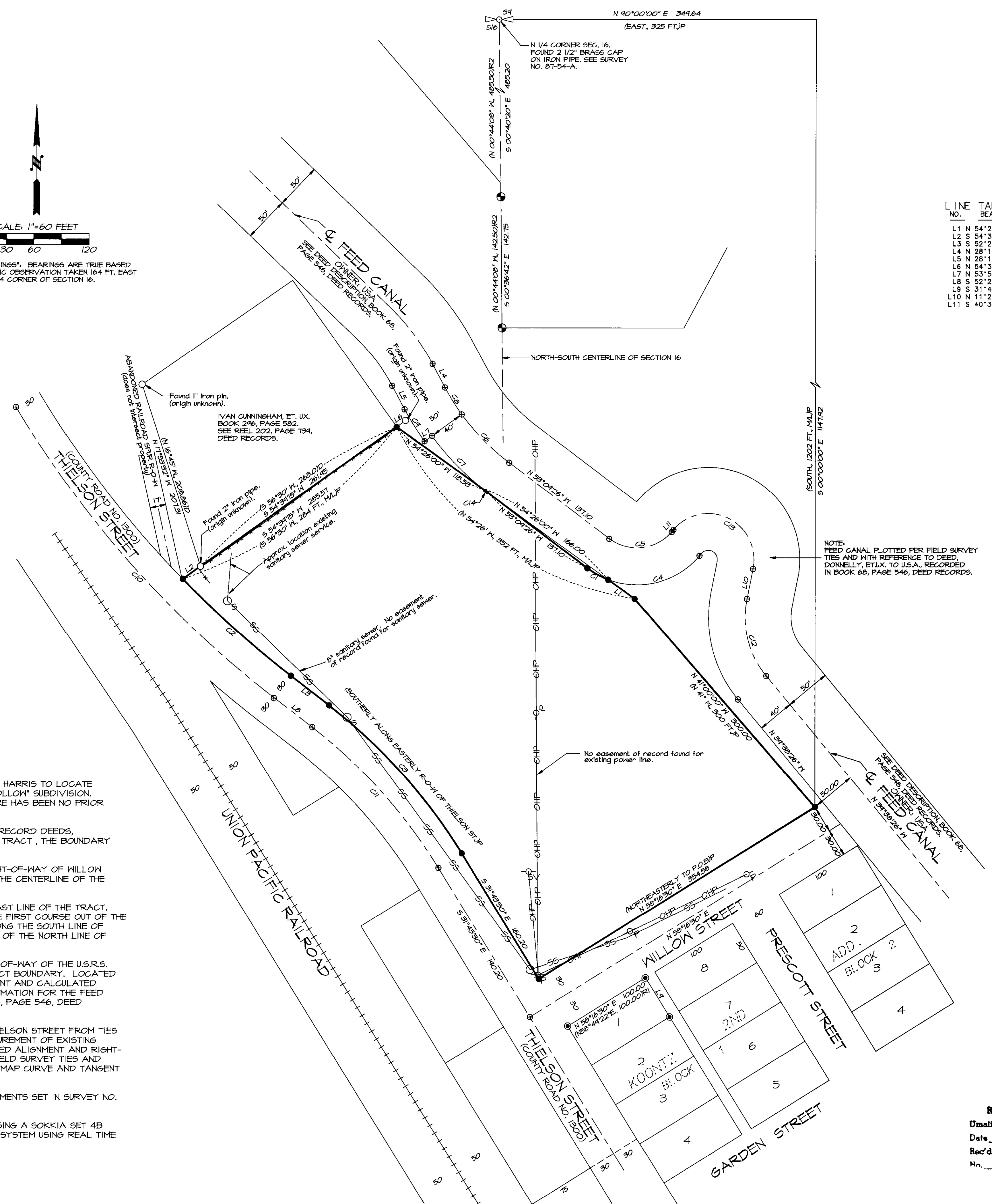
HELD RECORD DESCRIPTION BEARINGS FOR THE EAST LINE OF THE TRACT. HELD RECORD DISTANCE OF 300.00 FEET FOR THE FIRST COURSE OUT OF THE POINT OF BEGINNING. HELD MONUMENTS FOUND ALONG THE SOUTH LINE OF "CUNNINGHAM" PARCEL TO CONTROL THE LOCATION OF THE NORTH LINE OF THE TRACT.

AN OVERLAP OF TRACT DESCRIPTION ONTO RIGHT-OF-WAY OF THE U.S.S. FEED CANAL WAS ENCOUNTERED ON THE EAST TRACT BOUNDARY. LOCATED CENTERLINE OF FEED CANAL BY FIELD MEASUREMENT AND CALCULATED APPLICABLE ALIGNMENT AND RIGHT-OF-WAY INFORMATION FOR THE FEED CANAL USING DESCRIPTION CONTAINED IN BOOK 68, PAGE 546, DEED RECORDS.

FOR THE WEST BOUNDARY OF TRACT, LOCATED THIELSON STREET FROM TIES TO RAILROAD MAIN LINE AND FIELD SURVEY MEASUREMENT OF EXISTING CENTERLINE NORTH OF WILLOW STREET. CALCULATED ALIGNMENT AND RIGHT-OF-WAY LINES FOR THIELSON STREET BASED ON FIELD SURVEY TIES AND RECORD STATE HIGHWAY DEPARTMENT ALIGNMENT MAP CURVE AND TANGENT DATA FURNISHED BY COUNTY ROAD DEPARTMENT.

LOCATED WILLOW STREET BASED TO TIES TO MONUMENTS SET IN SURVEY NO. 97-20-A.

THIS SURVEY WAS MADE WITH A 2 PERSON CREW USING A SOKKIA SET 4B FIVE SECOND TOTAL STATION AND LEICA 399 GPS SYSTEM USING REAL TIME AND STATIC METHODS.



**RECEIVED BY**  
 Umatilla County Surveyors  
 Date: 7/22/98  
 Rec'd By: J. Hill  
 No. 98-001-C

REGISTERED PROFESSIONAL LAND SURVEYOR  
 W. R. Wells  
 OREGON  
 JULY 22, 1977  
 WILLIAM R. WELLS  
 1105  
 RENEWS 6/30/98

**WILLIAM R. WELLS, PLS**  
 357 N.E. HWY. 11  
 P.O. BOX 1696  
 PENDLETON, OR 97801  
 PHONE: (541) 276-6362

**PROJECT:**  
 BOUNDARY SURVEY FOR DOUG HARRIS OF:  
 PROPOSED "FOX HOLLOW" SUBDIVISION BOUNDARY

LOCATED IN THE W1/2 NW1/4 NE1/4 & E1/2 NE1/4 NW1/4, SECTION 16, T3N, R29E, W1/4, CITY OF ECHO, UMATILLA COUNTY, OREGON.

VHARBZY