**US Army Corps** of Engineers®

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DESIGNED BY: MICHAEL TIMBLIN	Y: IBLIN	SURVEY DATE: 2006/09/27	
DWN BY: CLB	CKD BY: MFT	SOLICITATION NO.: N/A	
SUBMITTED BY: CLIFFORD BONDURANT	BY: ONDURANT	CONTRACT NO.: N/A	
PLOT SCALE	PLOT SCALE: PLOT DATE:	FILE NUMBER:	
500,0000 / ln. 8/26/2019	8/26/2019	N/A	
SIZE: F	FILE NAME:		
ARCHC	WILLOW CREEK ros 2d dan	os 2d dan	_

TOWNSHIP 2 S RANGE 26 E SOUTH HALF SECTION 35 SURVEY RECORD OF

> SHEET **IDENTIFICATION**

> > SHEET 1 of 3

**NARRATIVE** 

This survey was performed by the United States Army Corps of Engineers (USACE), Portland District, The purpose of this survey is to retrace, depict and record a portion of a previously completed unrecorded survey performed June-July, 1982 by Anderson-Perry and Associates, Inc. under contract for USACE, Walla Walla District. Said survey firm was charged with locating, documenting and recording positions previously established by USACE, Walla Walla District. Portland District has contracted with Minister-Glaser Surveying (MGS) of Vancouver WA to retrace the remainder of the Anderson-Perry survey.

The basis of bearing is Oregon State Plane North Zone (3601) NAD 83 (2011) as determined from NGS's Online Positioning Users Service (OPUS). OPUS provides simplified access to high-accuracy National Spatial Reference System (NSRS) coordinates. Upload a Global Positioning System (GPS) data file collected with a survey-grade GPS receiver and obtain an NSRS position via email. OPUS solutions of sufficient duration and data quality can be "shared." Shared solutions are available from NGS's Web site. This survey used multiple ties to OPUS "Shared "control listed on this sheet to determine the basis of bearing.

Morrow County Record Of Survey 2017-1806D, Filed 9/21/2017 by Stephen K. Haddock provide the positions of the Section and 1/4 corners in Section 35 Including the East 1/4 Corner. The USACE position of said 1/4 Corner is considerably different than the Haddock reported position. Haddock reports finding the original monument in his note "X21" while the USACE determination of the 1/4 Corner is unclear. This finding explains a significant deviation from the legal CE 1/16 Corner and a USACE set CE 1/16 Corner. Therefore, the monument position of the CE 1/16 per USACE drawing WC-0-0-1/2, is grossly in error and should not be considered the legal CE 1/16.

### FOLLOWING FROM MORROW COUNTY RECORD OF SURVEY #2017-1806D, FILED BY STEPHEN K. HADDOCK, 56295 LS:

The original GLO corner was monumented with a charred stake and mound, "R1". In 1912 D.V.S. Reid found the original corner and drove a 5/16" iron rod in it, set a stone alongside and made four references, "R3. In 1974 Wayne Harris called for a point 3 feet east of a rock jack but set no monument, "R30". In 1982 Gary Langlitz reported coordinates received from the US Army Corps of Engineers but did not report a monument, "R16". In 1994 Denny Edwards set a nail at a fence corner. "R15". In 1997 Ron McKinnis reported a position he computed from the 1982 USACE coordinates by Langlitz, "R20". In 2002 and 2007 Judson Coppock reported setting a brass cap at the coordinates received from USACE in the Langlitz survey, "R21". I found a nail, not a brass cap, at the corner held by Coppock in his survey R25. I found the nail set by Denny Edwards. I found and held the 5/16th inch iron rod set by Reid in the original post. There have been five positions held for this corner, the original as remonumented by Reid and now by this survey, the nail set by Edwards, the nail set by Coppock, the unmonumented USACE position which is presumed to be the same position used by Wayne Harris, and the unmonumented position by McKinnis. Also, see Oregon Corner Restoration Form No. 2526Z17, Recorded 9/21/2017 in conjunction with Survey No. 2017-1806D

## **NOTE B**

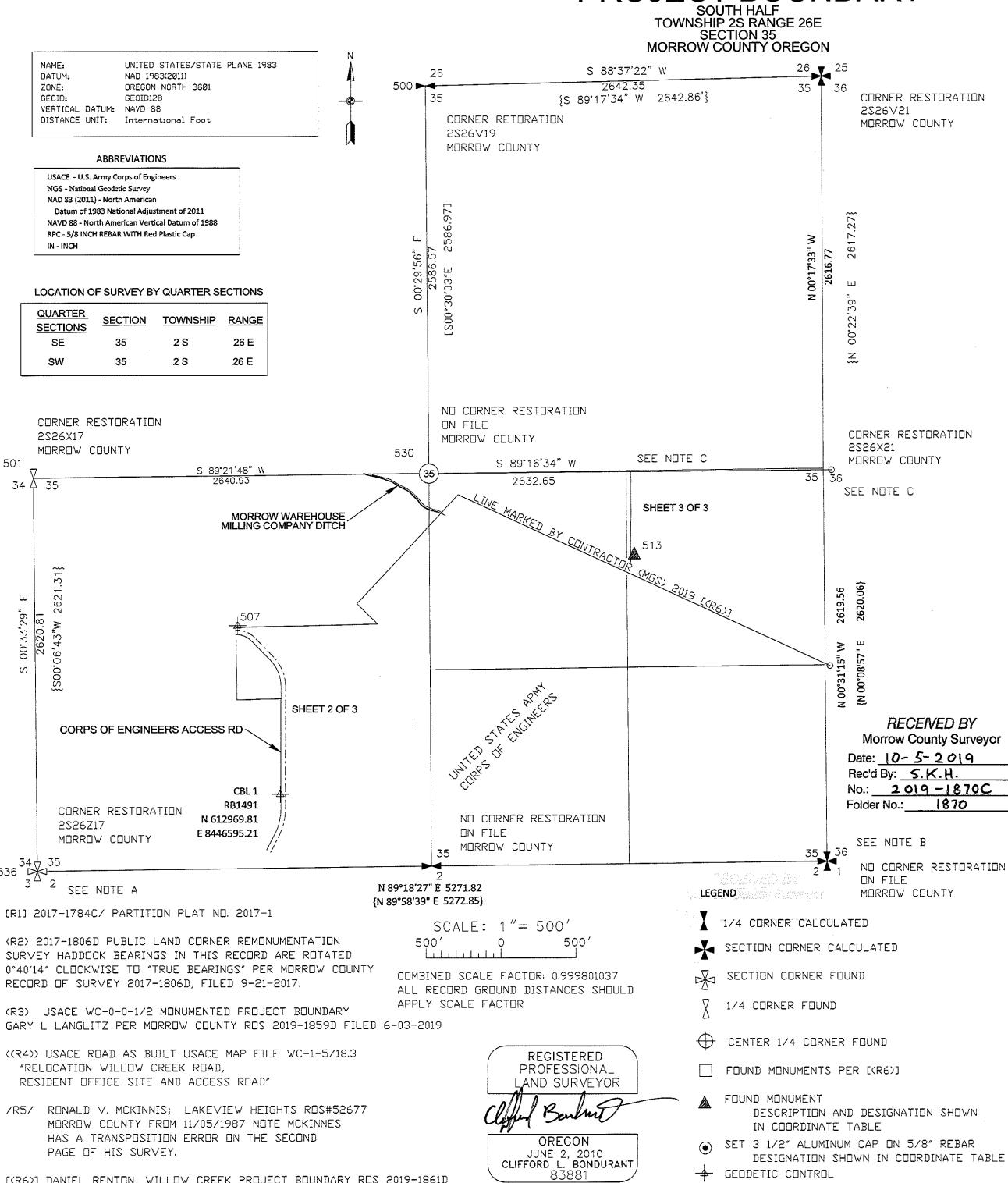
### FOLLOWING FROM MORROW COUNTY RECORD OF SURVEY #2017-1806D, FILED BY STEPHEN K. HADDOCK, 56295 LS:

The original GLO corner was monumented with a stone 16x10x8 inches, "R1". In 1912 D.V.S. Reid found the stone in the county road and set a 1 1/2"x30" iron pipe beside the stone and made four references, "R3". In 1982 Gary Langlitz reported coordinates for this corner but made no mention of any monument on which they were based, "R16". This point now falls in the USACE Willow Creek Lake, and the county road bed has been destroyed by water action. There is a buried pipeline approximately 24" below the surface at the position of the USACE coordinates and the pipe by Reid is lying in the mud approximately 25 feet south of the USACE coordinates. The corner held on this map is the USACE position, any evidence of another location having been destroyed.

The East 1/4 Corner of Section 35 was found By Stephen K. Haddock, public land corner remonumentation survey, no. 2017-1806d, per unrecorded USACE drawing WC-0-0-1/2, a different position was used which cannot be justified as Haddock recovered the originally set monument. See following from Morrow County Record Of Survey #2017-1806d, filed by Stephen K. Haddock, 56295 LS:

Per Haddock's Survey, "The original GLO corner was monumented with a stone 18x10x6 inches, "R1". In 1982 Gary Langlitz reported coordinates provided by the USACE but gave no indication of a monument at that point, "R16". In this survey Haddock found the original GLO stone and remonumented it with a brass cap. There have been two positions reported for this corner, one by survey and the other from record survey R16."

The difference from Haddock found 1/4 to the USACE used position is approximately S80°42'E, 55.8'. As a result of the USACE errant E 1/4 position, a monument was set that was meant to represent the CE 1/16 that is grossly in error and should not be considered the legal CE 1/16. As a consequence of this error, the USACE monumented line is not of the 1/16 line. However said monumented line is the best evidence of the location of the original survey as intended by the original surveyors and was held as the Federal Boundary.



RENEWAL DATE 12/31/2019

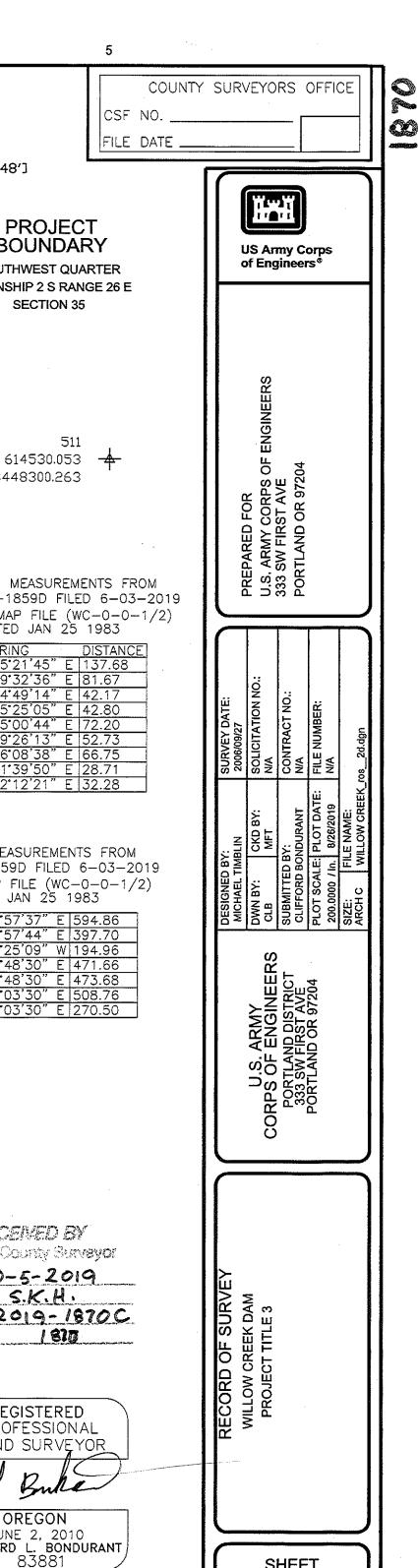
O USACE RECORD POSITION

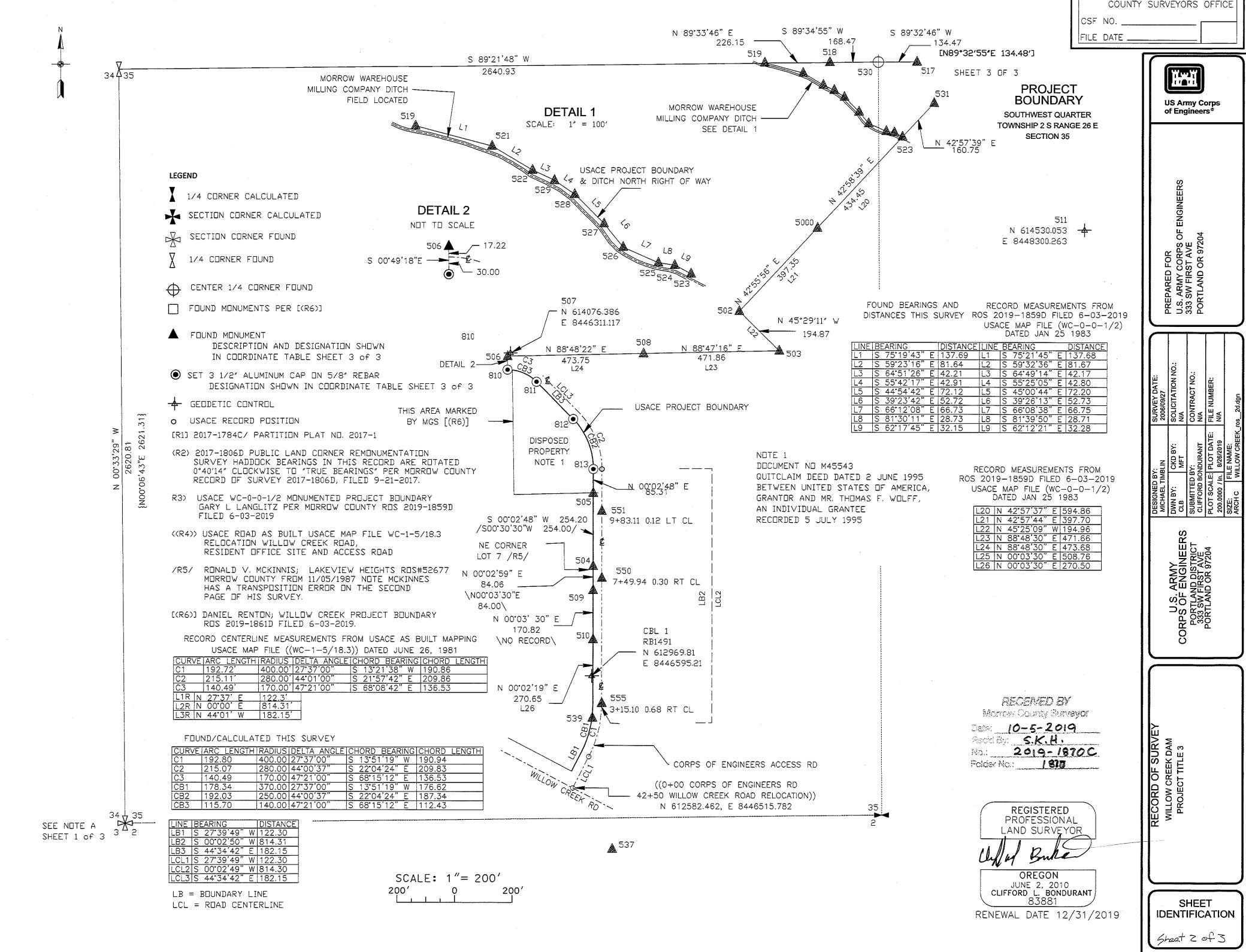
С

Α

[(R6)] DANIEL RENTON; WILLOW CREEK PROJECT BOUNDARY ROS 2019-1861D

FILED 6-03-2019.





**PROJECT BOUNDARY** 

> SOUTHEAST QUARTER TOWNSHIP 2 S RANGE 26 E

SECTION 35

901

902

903

512

[S 89'16'34" W 2632.65] SEE NOTE C SHEET 1 of 3 HADDOCK QUARTER CORNER POSITION SEE NOTE C SHEET 1 of 3 CE SECTION LINE -S 89°33′54″ W 389.21 USACE QUARTER CORNER POSITION (R3) USACE PROJECT BOUNDARY S 00°12′08″ W 259.42 SEE NOTE C SHEET 1 of 3 (S 00°10′24″ W 259.55) 35 36 [N89°32′55″E

USACE PROJECT BOUNDARY LINE

S 00°06′20″ W 139.46 (S 00°09'29" W 139.32)

S 00°11′02″ W 144.91 (S 00°11′28″ W 144.91)

S 00°11′02″ W 138.01

(S 00°10′30″ W 138.01)

LINE MARKED BY CONTRACT [(R6)]

[R1] 2017-1784C/ PARTITION PLAT NO. 2017-1

530

S 89°34'55" W

168.47

SHEET 2 OF 3

519

{R2} 2017-1806D PUBLIC LAND CORNER REMONUMENTATION SURVEY HADDOCK BEARINGS IN THIS RECORD ARE ROTATED 0°40'14" CLOCKWISE TO "TRUE BEARINGS" PER MORROW COUNTY RECORD OF SURVEY 2017-1806D, FILED 9-21-2017.

S 89°32'46" W

S 89°33′18″ W

346.45

S 89°31′57″ W

[N89°32′55″E 824.73′]

478.20

389,45′]

CS 1/4 SECTION LINE

134.47

└-[N89°32′55″E 134.48′]

(R3) USACE WC-0-0-1/2 MONUMENTED PROJECT BOUNDARY GARY L LANGLITZ PER MORROW COUNTY ROS 2019-1859D FILED 6-03-2019

((R4)) USACE ROAD AS BUILT USACE MAP FILE WC-1-5/18.3 RELOCATION WILLOW CREEK ROAD, RESIDENT OFFICE SITE AND ACCESS ROAD

/R5/ Ronald V. McKinnis; Lakeview Heights ROS#52677 Morrow County from 11/05/1987 NOTE McKinnes has a transposition error on the second page of his survey.

[(R6)] DANIEL RENTON; WILLOW CREEK PROJECT BOUNDARY ROS 2019-1861D FILED 6-03-2019.

### **RE-ESTABLISHMENT OF CORNERS.....**

810, 811, 812 AND 813 WERE ESTABLISHED PER ((R4)), UNRECORDED USACE MAP FILE WC-1-5/18.3, ADJUSTED TO THE FOUND BOUNDARY MONUMENTS PER MORROW COUNTY ROS D-524-K, FILED 2/8/1984, AND ROS 2019-1859D FILED 6/3/2019

9020 WAS RE-ESTABLISHED PER RECORD POSITION FROM ROS 2019-1859D FILED 6/3/2019 (R3).

### LEGEND

1/4 CORNER CALCULATED

SECTION CORNER CALCULATED

SECTION CORNER FOUND

1/4 CORNER FOUND

CENTER 1/4 CORNER FOUND

FOUND MONUMENTS PER ((R6))

A FOUND MONUMENT DESCRIPTION AND DESIGNATION SHOWN IN COORDINATE TABLE

(a) SET 3 1/2" ALUMINUM CAP DN 5/8" REBAR DESIGNATION SHOWN IN COORDINATE TABLE

- GEODETIC CONTROL

O USACE RECORD POSITION

◎ OTHER CADASTRAL CORNER CALCULATED

SCALE: 1"= 200' 200

COMBINED SCALE FACTOR: 0.999801037 ALL RECORD GROUND DISTANCES SHOULD APPLY SCALE FACTOR

> The state of the s Morrow County Surveyor

Dete: 10-5-2019 No.: 2019-1870C Folder No.: 1870

REGISTERED PROFESSIONAL LAND SURVEYOR life Bontar ÖREGON

83881 RENEWAL DATE 12/31/2019

JUNE 2, 2010 CLIFFORD L. BONDURANT

# COORDINATE Northing Easting Description

Point	Northing	Lasting	Description
500	617693.759	8447555.005	N 1/4 2" IDIP
501	615077.922	8444936.748	W 1/4 3 1/2" BRASS CAP
502	614239.042	8447095.523	USACE BRASS CAP 110-1 1982
503	614102.420	8447234.485	USACE BRASS CAP 129-1=110 1982
504	613352.297	8446588.667	5/8" REBAR ND CAP
505	613606.497	8446588-884	USACE ALUM CAP 108-1 1982
506	614082.566	8446289-089	USACE BRASS CAP 108-3 1982
507	614076.386	8446311.117	5/8" REBAR W/RPC DDDT
508	614092.438	8446762.733	USACE ALUM CAP POT 108-3A 1982
509	613268.237	8446588.604	5/8" REBAR W/RPC PLS 2431
510	613097.417	8446588-430	USACE ALUM CAP 108-A 1982
511	614530.053	8448300.263	USACE BM WC-A
512	614436.078	8448923.732	USACE BRASS CAP 112=108-3 1982
513	614559.091	8448950-601	USACE ALUM CAP NOT BOUNDARY
514	615117.877	8448925-812	USACE BRASS CAP 112-1 1982
515	615114.922	8448536-614	USACE BRASS CAP 112-1A 1982
516	615111.021	8448058-426	REMNANT/ANCHOR OF USACE MON
517	615108.330	8447711 985	USACE BRASS CAP POT 112-1-C 1982
518	615106.036	8447409.055	USACE BRASS CAP POT 112-1D 1982
519	615104.310	8447182-914	USACE BRASS CAP 112-2 1982
521	615069.438	8447316.110	USACE BRASS CAP 112-4 1982
522	615027.865	8447386.372	USACE BRASS CAP 112-5 1982
523	614847.822	8447662.342	USACE BRASS CAP 112-11=110-1 1982
524	614862.768	8447633.879	USACE BRASS CAP 112-10 1982
525	614867.013	8447605.465	USACE BRASS CAP 112-3 1982
526	614893.939	8447544.409	USACE BRASS CAP 112-8 1982
527	614934.680	8447510.950	USACE BRASS CAP 112-7 1982
528	614985.752	8447460.035	USACE BRASS CAP 112-6 1982
529	615009.930	8447424-585	USACE BRASS CAP 112-5 1982
530	615107.265	8447577.489	C 1/4 5/8" REBAR W/RPC LS 56295
531	614965.407	8447771.842	USACE ALUM CAP 112-1 2019
533	614705.475	8447528.612	PK W/BRASS WASHER
534	614886.905	8447088-310	BRASS DISC 1+17.29 274.34 RT
535	615004.829	8446973.451	BRASS DISC R2C-R8 1983
536	612457.269	8444962.277	SW SEC COR 2 1/2" BRASS CAP LS56295
537	612371.268	8446661.286	2" ALUM CAP ON REBAR KRUMBEIN
539	612826.767	8446588.247	USACE ALUM CAP 106=108 1982
550	613311.002	8446618.945	USACE BOLT AND WASHER
551	613544.178	8446618.718	USACE BOLT AND WASHER
555	612876.165	8446618.974	USACE BOLT AND WASHER PT 3+15.03
810	614035.395	8446289.750	SET ALUM CAP ON REBAR POL 16+63,80 2019
811	613993.601	8446390.884	SET ALUM CAP IN REBAR PC 15+26.60 2019
812	613863.953	8446518-638	SET ALUM CAP ON REBAR PT 13+44,45 2019
813	613690.492	8446588-953	SET ALUM CAP ON REBAR PC 11+29.34 2019
5000	614529.967	8447366-171	USACE BRASS CAP 110-1A 1982
901	614858.457	8448924-897	USACE BRASS CAP 112-C 1984
902	614719.000	8448924.640	SET AN UNMARKED 3 1/2" USACE ALUM CAP
903	614574.088	8448924.175	USACE BRASS CAP 112-A 1984
	•		

US Army Corps of Engineers®

COUNTY SURVEYORS OFFICE

CSF NO.

FILE DATE

SURVEY DATE:
2006/09/27
SOLICITATION NO.:
N/A
CONTRACT NO.:
N/A
FILE NUMBER:
N/A U.S. ARMY CORPS OF ENGINEERS PORTLAND DISTRICT 333 SW FIRST AVE PORTLAND OR 97204

RECORD OF SURVEY WILLOW CREEK DAM SOUTHEAST QUARTER TOWNSHIP 2 S RANGE 26 E SECTION 35

> SHEET **IDENTIFICATION**

> > SHEET 3 OF 3