

# MAP OF SURVEY

SITUATED IN THE SE 1/4 OF THE SE 1/4 OF SECTION 14 & THE SW 1/4 OF THE SW 1/4 SECTION 13 & THE NW 1/4 OF THE NW 1/4 OF SECTION 24, TOWNSHIP 4 SOUTH, RANGE 39 EAST, WILLAMETTE MERIDIAN, UNION COUNTY, OREGON

## SURVEY NARRATIVE

THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE BUREAU OF RECLAMATION AND THE ADJOINING LAND OWNERS

THE PURPOSE OF THIS SURVEY WAS TO LOCATE A LINE REPRESENTING THE THALWEG OF CATHERINE CREEK AS IT EXISTED PRIOR TO CONSTRUCTION AND RE-ALIGNMENT OF THE CHANNEL BY THE BUREAU OF RECLAMATION.

MONUMENTS CONTROLLING THIS SURVEY WERE RECOVERED AS SHOWN FOR SECTIONS 13 AND 14. A SEARCH WAS MADE FOR THE NORTH 1/4 AND THE WEST 1/4 OF SECTION 14 AND NO EVIDENCE OF THESE CORNERS WAS FOUND. THE NORTH 1/4, WEST 1/4 AND CENTER 1/4 CORNERS WERE COMPUTED BUT NOT MONUMENTED AS A PART OF THIS EFFORT.

THE PORTION OF THE CHANNEL SHOWN, WAS MAPPED FOR DESIGN PURPOSES AND COMPLETED ON AUGUST 7TH, 2018. THE MEANDER LINE REPRESENTS THE THALWEG DERIVED FROM THAT TOPOGRAPHY. MONUMENTS WERE SET AS SHOWN ALONG THE NORTH LINE OF THE S 1/2, S 1/2, SW 1/4, SW 1/4 SECTION 13 AND THE NORTH LINE OF THE S 1/2, S 1/2, SE 1/4, SE 1/4 SECTION 14 AND ALSO THE WEST LINE OF THE SE 1/4, SE 1/4 OF SECTION 14

## LEGEND

- FOUND MONUMENT AS NOTED
- FOUND 1/2" ALUMINUM CAP, R1, SEE ALSO COUNTY MONUMENTATION RECORDS
- SET 5/8" X 30" REBAR WITH 1/2" ALUMINUM CAP MARKED "APA 60000 L5"
- ◆ REFERENCE MONUMENT - SET 5/8" X 30" REBAR WITH 1/2" ALUMINUM CAP MARKED "APA 60000 L5" TO REFERENCE THE THALWEG
- SECTION OR QUARTER SECTION LINE
- - - MINOR INTERIOR SECTION LINE
- - - THALWEG OF CATHERINE CREEK CHANNEL

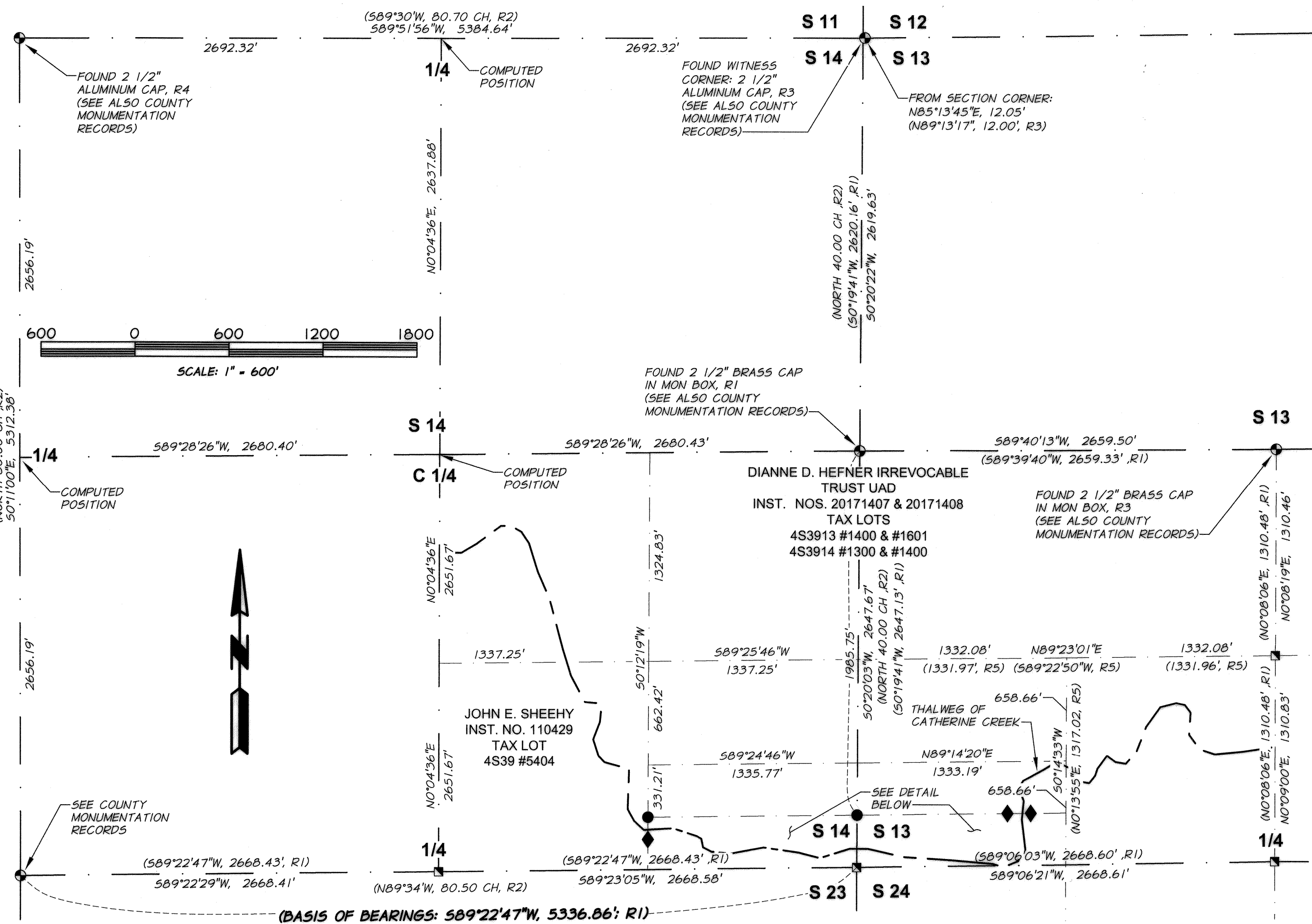
REGISTERED PROFESSIONAL LAND SURVEYOR  
*Jeffrey A. Madsen*  
 OREGON  
 JUNE 13, 2008  
 JEFFREY A. MADSEN  
 60000LS  
 EXPIRES: 12/31/18  
 SIGNED: 10/24/18

UNION COUNTY SURVEYOR

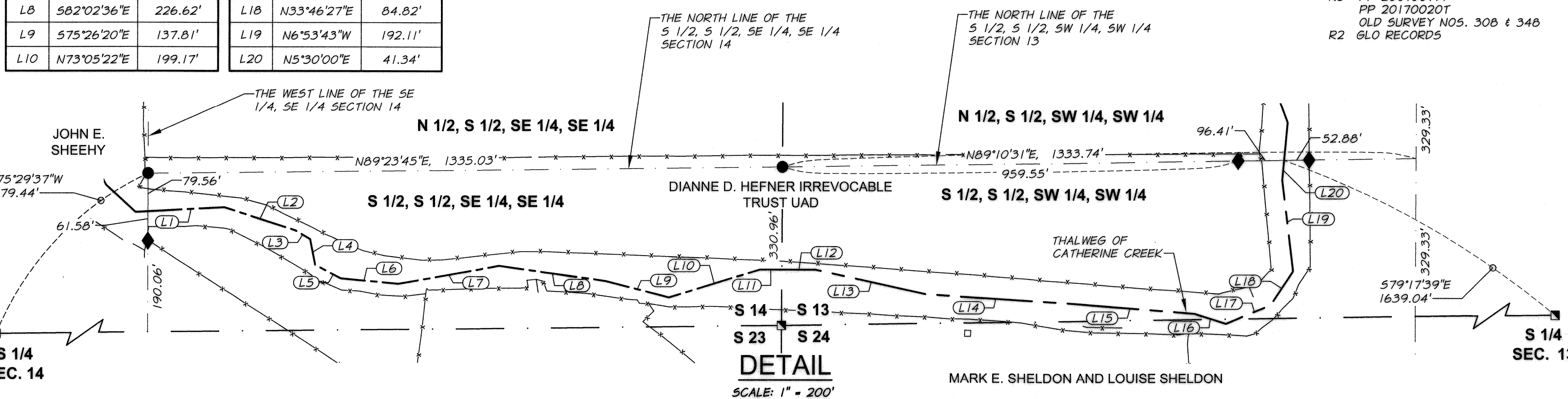
## REFERENCE MATERIAL

- UNION COUNTY SURVEY RECORDS:
- C5 1966-029
  - C5 1973-074
  - C5 1977-072
  - C5 1978-061
  - C5 1979-069
  - R3 C5 1998-003
  - R1 C5 1999-032
  - R4 C5 2004-024
  - PP 19950014T
  - PP 19980025T
  - PP 20010017T
  - PP 20170020T
  - OLD SURVEY NOS. 308 & 348
  - R2 GLO RECORDS
- UNION COUNTY DOCUMENTS:
- INSTRUMENT NO. 995740 (SHELDON)
  - INSTRUMENT NO. 110429 (SHEEHY)
  - INSTRUMENT NO. 20171407 (HEFNER)
  - INSTRUMENT NO. 20171408 (HEFNER)

UNION COUNTY SURVEYOR  
 Date Received 10-24-18  
 Date Filed 10-24-18  
 By Richard Madsen  
 File No. 045-2018



LINE TABLE			LINE TABLE		
LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	N86°59'03"E	161.33'	L11	S89°59'03"E	46.89'
L2	S72°12'47"E	156.64'	L12	S89°59'03"E	71.77'
L3	S59°18'32"E	36.31'	L13	S77°39'41"E	238.04'
L4	S10°55'03"E	54.53'	L14	S86°31'52"E	292.67'
L5	S62°25'01"E	60.71'	L15	S85°20'53"E	273.56'
L6	S84°41'49"E	122.05'	L16	S72°38'35"E	69.16'
L7	N79°50'13"E	214.87'	L17	N67°31'04"E	101.63'
L8	S82°02'36"E	226.62'	L18	N33°46'27"E	84.82'
L9	S75°26'20"E	137.81'	L19	N6°53'43"W	192.11'
L10	N73°05'22"E	199.17'	L20	N5°30'00"E	41.34'



**MAP OF SURVEY**  
**BUREAU OF RECLAMATION - CATHERINE CREEK EASEMENTS**  
**IN THE SE 1/4 OF THE SE 1/4 OF SEC. 14 & THE SW 1/4 OF THE SW 1/4 OF SEC. 13 & THE NW 1/4 OF THE NW 1/4 OF SEC. 24,**  
**TOWNSHIP 4 SOUTH, RANGE 39 EAST, WILLAMETTE MERIDIAN,**  
**UNION COUNTY, OREGON**

FOR: BUREAU OF RECLAMATION 1150 N. CURTIS ROAD, SUITE. 100  
 BOISE, ID 83706-1234

SCALE: AS SHOWN  
 DATE: OCT. 2018  
 JOB NO. 195-47(100)

**Anderson Perry Associates, Inc.**  
 ENGINEERING · SURVEYING · NATURAL RESOURCES  
 LA GRANDE, OR. - WALLA WALLA, WA. - PRINEVILLE, OR.

1/1

1901 N. FIR ST. LA GRANDE, OR 97850 (541) 963-8309

**SURVEY NUMBER 045-2018**