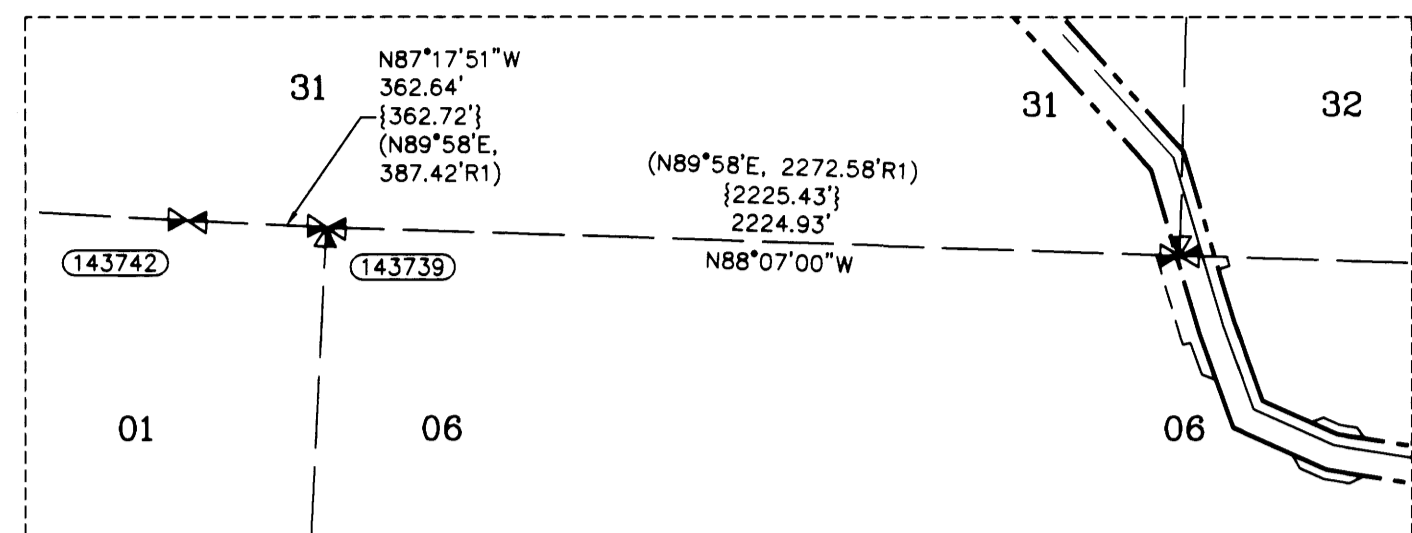


# AMENDED RECORD OF SURVEY

(SURVEY M166-25) LOCATED IN SECTIONS 5,6,8,16,17,21 AND 22 TOWNSHIP 32 SOUTH, RANGE 2 WEST, W.M. DOUGLAS COUNTY, OREGON

FILED  
Date: 7-13-2015 By: JC  
This survey consists of:  
Map: M166-35A-H  
Number:  
Cover Page:  
DOUGLAS COUNTY SURVEYOR



### LEGEND

- 5/8" x 24" REBAR WITH 1 1/4" YELLOW PLASTIC CAP FROM SURVEY M166-25 VERIFIED OR RESET THIS AMENDED SURVEY (KLEIN & ASSOC. PLS 59002)
- ⊗ 5/8" x 24" REBAR WITH 1 1/4" YELLOW PLASTIC CAP FROM SURVEY M166-25 VERIFIED OR RESET THIS AMENDED SURVEY (DYER PARTNER LS 2340)
- ⊙ FOUND MONUMENT OF RECORD, SEE CORNER NOTES
- COMPUTED POINT, NOT MONUMENTED
- ⊠ FOUND QUARTER CORNER, SEE CORNER NOTES
- ⊡ FOUND SECTION CORNER, SEE CORNER NOTES
- ⊞ COMPUTED QUARTER CORNER
- ⊞ COMPUTED SECTION CORNER
- POINT NUMBER
- {XXX.XX} GROUND DISTANCE
- {XXX.XX} RECORD DISTANCE PER REFERENCED SURVEY
- R1 REFERENCED SURVEY
- PROPOSED ALIGNMENT
- TEMPORARY CONSTRUCTION EASEMENT
- TEMPORARY WORK AREA

### DETAIL

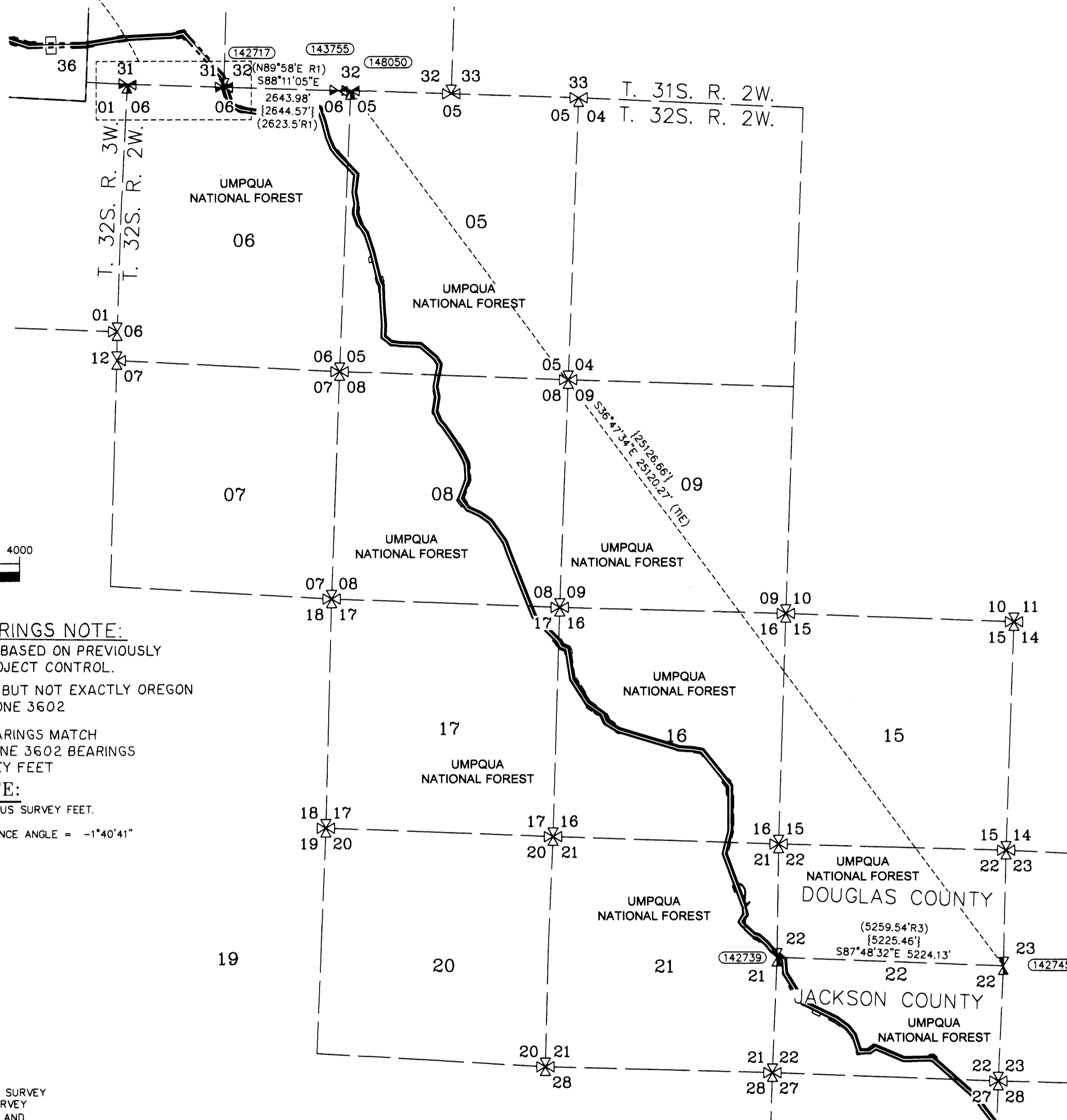
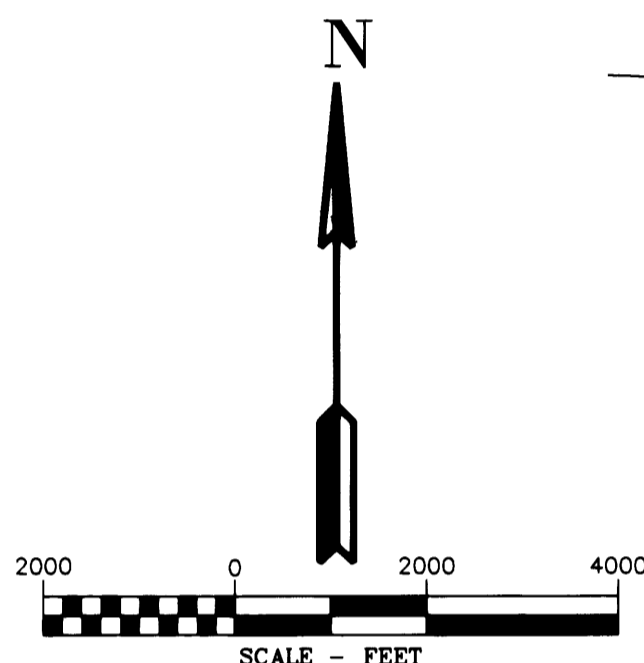
1" = 500'

### AMENDMENT NOTE:

PIPELINE DESIGN CHANGES HAVE OCCURRED SINCE THE FILING OF SURVEY M166-25. ALL MONUMENTS SET IN M166-25 THAT ARE NO LONGER PART OF THE UPDATED DESIGN HAVE BEEN REMOVED. NEW MONUMENTS HAVE BEEN SET AS SHOWN HEREON.

A DISTANCE AND BEARING ERROR WAS DISCOVERED FOR THE MID SECTION LINE OF SECTION 22, AND IS BEING CORRECTED ON THIS SURVEY.

AN ADDITIONAL CONTROLLING MONUMENT WAS FOUND AT THE SOUTH 1/4 OF SECTION 32, T.31 S., R.2W. THE ADDITIONAL DATA IS BEING SHOWN ON THIS SURVEY.



### CORNER NOTES:

(143742)

SOUTH 1/4 CORNER SECTION 31, T31S-R02W FOUND 2-1/2" ALUMINUM CAP STAMPED RLS 601, 1980

- BT REFERENCES:
- 28" W. FIR WITH HEALED FACE SET TAG DATED 2/25/2015 N 72° E - 111.0'
  - 16" MADRONE WITH HEALED FACE SET TAG DATED 2/25/2015 N 26°15' W - 65.3'
  - 52" DIA. STUMP WITH VISIBLE SCRIBES WITH TAG DATED 1/80 N 40°30' W - 75.3'
  - SET NEW BEARING TREE 24" D. FIR (MARKED - SC1/4 S31 BT) SET TAG DATED 2/15 N 21° E - 29.0' TO NAIL SIDE CENTER
  - SET NEW BEARING TREE 12" D. FIR (MARKED - 1/4 S1 BT) SET TAG DATED 2/15 S 36° E - 16.7' TO NAIL SIDE CENTER

(143739)

NORTHWEST CORNER SECTION 6, T32S-R02W FOUND 2-1/2" ALUMINUM CAP STAMPED OLS 536, 1988

- BT REFERENCES:
- 8" MADRONE WITH HEALED FACE AND TAG DATED 1/80 S 83°55' E - 10.0'
  - 15" MADRONE WITH HEALED FACE AND TAG DATED 1/80 S 26°35' E - 34.6'
  - 24" D. FIR WITH HEALED FACE AND TAG DATED 1/80 S 19° W - 33.3'
  - 7" MADRONE WITH HEALED FACE AND TAG DATED 1/80 N 38°25' W - 15.9'

(142717)

SOUTHWEST CORNER SECTION 32 T31S-R02W FOUND 2-1/2" BRASS CAP STAMPED COUNTY SURVEYORS OFFICE 1966

- BT REFERENCES:
- 16" MADRONE WITH HEALED FACE AND TAG DATED 8/66 N 32° W - 27.6' TO NAIL SIDE CENTER
  - 17" MADRONE HEALED FACE AND TAG DATED 8/66 N 52-1/2° W - 35.6' TO NAIL SIDE CENTER
  - BEARING TREE PER M166-25 15" GRAND FIR WITH BLAZED FACE SET TAG DATED 8/14 N 66° E - 13.3' TO NAIL SIDE CENTER
  - BEARING TREE PER M166-25 10" GRAND FIR WITH BLAZED FACE SET TAG DATED 8/14 S 44° E - 24.6' TO NAIL SIDE CENTER

(148050)

NORTHEAST CORNER SECTION 6 T31S-R02W FOUND 2-1/2" BRASS CAP STAMPED COUNTY SURVEYORS OFFICE 1966

- BT REFERENCES:
- 19" D. FIR 10' STUMP WITH VISIBLE SCRIBE AND TAG DATED 9/66 S 44° E - 27.1'
  - 33" D. FIR 8' STUMP WITH VISIBLE SCRIBE AND TAG DATED 9/66 S 21-1/2° W - 10.6'
  - BEARING TREE PER M166-25 13" FIR BLAZED FACE SET TAG DATED 8/14 S 66° E - 18.6' TO NAIL SIDE CENTER
  - BEARING TREE PER M166-25 10" FIR BLAZED FACE SET TAG DATED 8/14 S 73° W - 11.2' TO NAIL SIDE CENTER
  - BEARING TREE PER M166-25 15" FIR BLAZED FACE SET TAG DATE 8/14 N 21° W - 17.85' TO NAIL SIDE CENTER

(142739)

1/4 CORNER SECTIONS 21/22 FOUND 3" BRASS CAP STAMPED OLS 536, 1988

- BT REFERENCES:
- 15" CEDAR WITH HEALED FACE AND TAG DATED 10/13 S 23° E - 9.0' TO NAIL SIDE CENTER
  - 29" FIR WITH TAG DATED 10/13 N 76° W - 46.4' TO NAIL SIDE CENTER

(142745)

1/4 CORNER SECTIONS 22/23 FOUND 2-1/2" BRASS CAP STAMPED CS 1986

- BT REFERENCES:
- 12" FIR WITH HEALED FACE AND TAG DATED 8/86 N 76° E - 28.4' TO NAIL SIDE CENTER
  - 28" FIR 50" TALL SNAG WITH HEALED FACE S 45° E - 7.5' NO TAG FOUND OR SET
  - 19" FIR 30" TALL SNAG WITH VISIBLE SCRIBE AND TAG DATED 8/86 S 10° W - 9.9'
  - 10" FIR (MARKED - 1/4 S23 BT) SET TAG DATED 8/14 S 55° W - 11.95' TO NAIL SIDE CENTER (REVISED BEARING FROM M166-25)

(143755)

SOUTH 1/4 CORNER SECTION 32, T31S-R02W FOUND 2-1/2" BRASS CAP STAMPED COUNTY SURVEYORS OFFICE 1966

- BT REFERENCES:
- 30" DIA. 3" TALL STUMP WITH HACK MARKS N 30° W - 50.8'
  - SET NEW BEARING TREE 13" FIR (MARKED CS1/4 S6 BT) SET TAG DATED 3/15 S 238° E - 12.95' TO NAIL SIDE CENTER
  - SET NEW BEARING TREE 12.5" FIR (MARKED - CS1/4 S32 BT) SET TAG DATED 3/15 N 08° W - 19.1' TO NAIL SIDE CENTER

### AREAS

TEMPORARY CONSTRUCTION EASEMENT	59.69 ACRES
TEMPORARY WORK AREA	10.94 ACRES

### REFERENCE SURVEYS:

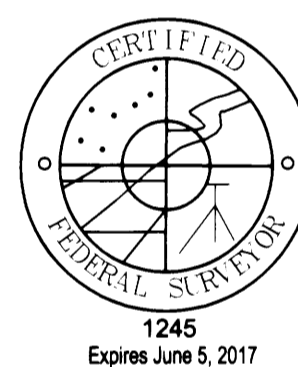
- ORIGINAL GLO NOTES, SOUTH LINE OF TOWNSHIP 31 SOUTH, RANGE 2 WEST SEP. 26, 1908
- ORIGINAL GLO PLAT, TOWNSHIP 32 SOUTH, RANGE 2 WEST - DEC. 11, 1903
- COUNTY SURVEY NO. M166-25

### SURVEYOR'S CERTIFICATE

I, DOUGLAS A. POPHAM BEING DULY SWORN AS A PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON, ALSO BEING A CERTIFIED FEDERAL SURVEYOR, DO HEREBY CERTIFY THAT THIS MAP CORRECTLY REPRESENTS A SURVEY THAT I HAVE REVIEWED AND VERIFIED. THIS SURVEY CONFORMS WITH THE REQUIREMENTS OF THE STATE OF OREGON SURVEY RECORDING LAW, AS ESTABLISHED BY ORS CHAPTER 209.

FURTHERMORE, I APPROVE THE DESCRIPTIONS, DIMENSIONS AND LOCATIONS OF THE RECOVERED MONUMENTS AS DEPICTED HEREON.

DOUGLAS A. POPHAM PLS. 1245  
CFDS 1245



### SURVEYOR'S CERTIFICATE

I, JAMES M. KLEIN BEING DULY SWORN AS A PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON DO HEREBY CERTIFY THAT THIS MAP CORRECTLY REPRESENTS A SURVEY CONDUCTED UNDER MY DIRECT SUPERVISION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING LAW, AS ESTABLISHED BY ORS CHAPTER 209, AND HAVE SET THE PROPER MONUMENTS AS REFERENCED IN THE LEGEND BY MY REGISTRATION NUMBER AND SEAL.

FURTHERMORE, I APPROVE THE LOCATION OF THE MONUMENTS AS DEPICTED ON THIS SURVEY DRAWING TO BE IN THEIR PROPER LOCATION.

JAMES M. KLEIN PLS. 59002

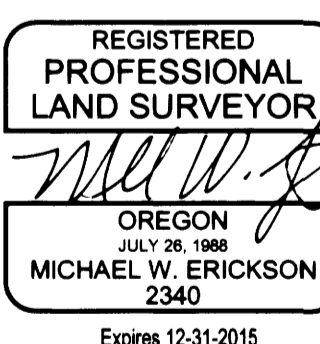


### SURVEYOR'S CERTIFICATE

I, MICHAEL W. ERICKSON BEING DULY SWORN AS A PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON DO HEREBY CERTIFY THAT THIS MAP CORRECTLY REPRESENTS A SURVEY CONDUCTED UNDER MY DIRECT SUPERVISION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING LAW, AS ESTABLISHED BY ORS CHAPTER 209, AND HAVE SET THE PROPER MONUMENTS AS REFERENCED IN THE LEGEND BY MY REGISTRATION NUMBER AND SEAL.

FURTHERMORE, I APPROVE THE LOCATION OF THE MONUMENTS AS DEPICTED ON THIS SURVEY DRAWING TO BE IN THEIR PROPER LOCATION.

MICHAEL W. ERICKSON PLS. 2340



### BASIS OF BEARINGS NOTE:

THE PROJECT DATUM IS BASED ON PREVIOUSLY ESTABLISHED PROJECT CONTROL.

THE DATUM IS VERY CLOSE BUT NOT EXACTLY OREGON SOUTH ZONE 3602

THE PROJECT BEARINGS MATCH THE OREGON SOUTH ZONE 3602 BEARINGS IN US SURVEY FEET

### NOTE:

DISTANCES ARE IN US SURVEY FEET.

MEAN MERIDIAN CONVERGENCE ANGLE = -1°40'41"

### SHEET INDEX:

- SHEET 1 = COVER PAGE TOWNSHIP OVERVIEW
- SHEET 2 = SECTIONS 6 & 5
- SHEET 3 = SECTION 5
- SHEET 4 = SECTION 8
- SHEET 5 = SECTION 8
- SHEET 6 = SECTIONS 17 & 16
- SHEET 7 = SECTION 16
- SHEET 8 = SECTIONS 21 & 22

### NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO AMEND THE SURVEY FILED AS COUNTY SURVEY NO. M166-25. THIS SURVEY SHOWS ADDITIONAL INFORMATION FOR THE FOUND AND RECORD DATA BETWEEN EXISTING MONUMENTS. THIS SURVEY ALSO HAS AN ADDITIONAL SURVEY CERTIFICATE SHOWN.

THE TEMPORARY CONSTRUCTION CORRIDOR FOR THE WILLIAMS PACIFIC CONNECTOR GAS LINE. THIS SURVEY IS LOCATED IN TOWNSHIP 32 SOUTH, RANGE 2 WEST, OF THE WILLAMETTE MERIDIAN.

THE PUBLIC LAND SURVEY SYSTEM MONUMENTS WERE FOUND AND TIED BY KLEIN & ASSOCIATES AND VERIFIED BY DOUG POPHAM A CERTIFIED FEDERAL SURVEYOR.

THE TEMPORARY CONSTRUCTION EASEMENT WAS SURVEYED AND MONUMENTED BY THE DYER PARTNERSHIP.

THE INTERSECTION OF THE TEMPORARY CONSTRUCTION EASEMENT AND THE FEDERAL LANDS WERE MONUMENTED BY KLEIN & ASSOCIATES.

### SCALE FACTOR NOTE

THE DISTANCES SHOWN ON THIS SURVEY ARE GRID DISTANCES UNLESS NOTED. THE COMBINED SCALE FACTOR = 0.999745737 TO CONVERT FROM GRID TO GROUND MULTIPLY THE DISTANCE BY 1.000254328

EXAMPLE: 300.00' GRID DISTANCE 300.00' x 1.000254328 = 300.08' GROUND DISTANCE.



PACIFIC CONNECTOR GAS PIPELINE PROJECT  
PACIFIC CONNECTOR GAS PIPELINE, LP  
RECORD OF SURVEY

TOWNSHIP 32 SOUTH, RANGE 2 WEST, W.M.  
DOUGLAS COUNTY OREGON

Pacific Connector GAS PIPELINE

DRAWN BY: LIS	DATE: 04-09-2015	ISSUED FOR BID:	SCALE: 1" = 2000'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER:	SHEET 1 OF 8

WILLAMETTE MERIDIAN  
DOUGLAS COUNTY, OREGON

T.32S., R.02W

06	05		
08			
17	16		
	21	22	

SURVEY PERFORMED FOR:  
WILLIAMS PACIFIC CONNECTOR  
DATE OF MONUMENTATION: MARCH 9, 2014  
PROJECT: 14-02-05 DRAFT: GD, LS  
FILE: RS-32S-02W.DWG